COMPREHENSIVE SITE ASSESSMENT
PHASE II FIELD INVESTIGATION REPORT
VOLUME III (Appendix L and M)

Wilmington Facility
Wilmington, MA

Olin Corporation

JUNE 1993

REF. NO. 3683 (13)

CONESTOGA-ROVERS & ASSOCIATES

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VOLUME III (Appendix L and M)

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Olin Corporation

PRINTED ON
JUN 25 1993

APPENDIX L

APPENDIX L

COMPLETE ANALYTICAL DATA SUMMARY

COMPREHENSIVE SITE ASSESSMENT
PHASE II FIELD INVESTIGATION REPORT
VOLUME III (APPENDIX L)

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TAB 1

CHEMICAL DATA QUALIFIERS

GLOSSARY A

Data Qualifier Definitions

For the purposes of this document, the following code letters and associated definitions are provided.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

J - The associated numerical value is an estimated quantity.

R - The data are unusable (compound may or may not be present). Resampling and reanalysis is necessary for verification.

UJ - The material was analyzed for, but was not detected. The sample quantitation limit is an estimated quantity.

The reviewer may determine that qualifiers other than those used in this document are necessary to describe or qualify the data. In these instances, it is the responsibility of each Region to thoroughly document/explain the qualifiers used.

TAB 2

ANALYTE CROSS REFERENCE CODES

WILMINGTON FACILITY
VOC CHEMICAL CODES

1,1,1-TRICHLOROETHANE	-	111TCE
1,1,2,2-TETRACHLOROETHANE	-	2TCLEA
1,1,2-TRICHLOROETHANE	-	112TCE
1,1-DICHLOROETHANE	-	11DCLE
1,1-DICHLOROETHENE	-	11DCE
1,2-DICHLOROETHANE	-	12DCLE
1,2-DICHLOROETHENE, TOTAL	-	12DCE
1,2-DICHLOROPROPANE	-	12DCLP
2,4,4-TRIMETHYL-1-PENTENE	-	244TM1P
2,4,4-TRIMETHYL-2-PENTENE	-	244TM2P
2-BUTANONE	-	MEK
2-HEXANONE	-	MNBK
4-METHYL-2-PENTANONE	-	MIBK
ACETONE	-	ACET
BENZENE	-	C6H6
BROMODICHLOROMETHANE	-	BRDCLM
BROMOFORM	-	CHBR3
BROMOMETHANE	-	CH3BR
CARBON DISULFIDE	-	CS2
CARBON TETRACHLORIDE	-	CCL4
CHLOROBENZENE	-	CLC6H5
CHLOROETHANE	-	C2H5CL
CHLOROFORM	-	CCL3
CHLOROMETHANE	-	CH3CL
CIS-1,3-DICHLOROPROPENE	-	C13DCP
DIBROMOCHLOROMETHANE	-	DBRCLM
ETHYLBENZENE	-	ETC6H5
METHYLENE CHLORIDE	-	C2CL2
STYRENE	-	STYR
TETRACHLOROETHENE	-	TCLEE
TOLUENE	-	MEC6H5
TRANS-1,3-DICHLOROPROPENE	-	T13DCP
TRICHLOROETHENE	-	TRCLE
VINYL ACETATE	-	C2AVE
VINYL CHLORIDE	-	C2H3CL
XYLENES, TOTAL	-	TXYLEN

WILMINGTON FACILITY
BNA CHEMICAL CODES

1,2,4-TRICHLOROBENZENE	-	124TCB
1,2-DICHLOROBENZENE	-	12DCLB
1,3-DICHLOROBENZENE	-	13DCLB
1,4-DICHLOROBENZENE	-	14DCLB
2,4,5-TRICHLOROPHENOL	-	245TCP
2,4,6-TRICHLOROPHENOL	-	246TCP
2,4-DICHLOROPHENOL	-	24DCLP
2,4-DIMETHYLPHENOL	-	24DMPN
2,4-DINITROPHENOL	-	24DNP
2,4-DINITROTOLUENE	-	24DNT
2,6-DINITROTOLUENE	-	26DNT
2-CHLORONAPHTHALENE	-	2CNAP
2-CHLOROPHENOL	-	2CLP
2-METHYLNAPHTHALENE	-	2MNAP
2-METHYLPHENOL	-	2MP
2-NITROANILINE	-	2NANIL
2-NITROPHENOL	-	2NP
3,3'-DICHLOROBENZIDINE	-	33DCBD
3-NITROANILINE	-	3NANIL
4,6-DINITRO-2-METHYLPHENOL	-	46DN2C
4-BROMOPHENYL PHENYL ETHER	-	4BRPPE
4-CHLORO-3-METHYLPHENOL	-	4CL3MP
4-CHLOROANILINE	-	4CANIL
4-CHLOROPHENYL PHENYL ETHER	-	4CLPPE
4-METHYLPHENOL	-	4MP
4-NITROANILINE	-	4NANIL
4-NITROPHENOL	-	4NP
ACENAPHTHENE	-	ANAPNE
ACENAPHTHYLENE	-	ANAPYL
ANTHRACENE	-	ANTRC
BENZO(A)ANTHRACENE	-	BAANTR
BENZO(A)PYRENE	-	BAPYR
BENZO(B)FLUORANTHENE	-	BBFANT
BENZO(G,H,I)PERYLENE	-	BGHIPY
BENZO(K)FLUORANTHENE	-	BKFANT
BENZOIC ACID	-	BENZOA
BENZYL ALCOHOL	-	BZALC
BIS(2-CHLOROETHOXY)METHANE	-	B2CEXM

WILMINGTON FACILITY
BNA CHEMICAL CODES (CONT'D)

BIS(2-CHLOROETHYL)ETHER	-	B2CLEE
BIS(2-CHLOROISOPROPYL) ETHER	-	B2CIPE
BIS(2-ETHYLHEXYL)PHTHALATE	-	B2EHP
BUTYL BENZYLPHTHALATE	-	BBZP
CHRYSENE	-	CHRY
DI-N-BUTYLPHTHALATE	-	DNBP
DI-N-OCTYLPHTHALATE	-	DNOP
DIBENZO(A,H)ANTHRACENE	-	DBAHA
DIBENZOFURAN	-	DBZFUR
DIETHYLPHTHALATE	-	DEP
DIMETHYLPHTHALATE	-	DMP
FLUORANTHENE	-	FANT
FLUORENE	-	FLRENE
HEXACHLOROBENZENE	-	CL6BZ
HEXACHLOROBUTADIENE	-	HCBD
HEXACHLOROCYCLOPENTADIENE	-	CL6CP
HEXACHLOROETHANE	-	CL6ET
INDENO(1,2,3-CD)PYRENE	-	ICDPYR
ISOPHORONE	-	ISOPHR
N-NITROSO-DIPROPYLAMINE	-	NNDNPA
N-NITROSODIPHENYLAMINE	-	NNDPA
NAPHTHALENE	-	NAP
NITROBENZENE	-	NB
PENTACHLOROPHENOL	-	PCP
PHENANTHRENE	-	PHANTR
PHENOL	-	PHENOL
PYRENE	-	PYR

WILMINGTON FACILITY
PCB AND PESTICIDE CHEMICAL CODES

4,4'-DDD	-	44DDD
4,4'-DDE	-	44DDE
4,4'-DDT	-	44DDT
ALDRIN	-	ALDRN
ALPHA-BHC	-	ABHC
ALPHA-CHLORDANE	-	ACLDAN
BETA-BHC	-	BBHC
DELTA-BHC	-	DBHC
DIELDRIN	-	DLDRN
ENDOSULFAN I	-	AENSLF
ENDOSULFAN II	-	BENSLF
ENDOSULFAN SULFATE	-	ESFSO4
ENDRIN	-	ENDRN
ENDRIN ALDEHYDE	-	ENDRNA
ENDRIN KETONE	-	ENDRNK
GAMMA-BHC (LINDANE)	-	LIN
GAMMA-CHLORDANE	-	GCLDAN
HEPTACHLOR	-	HPCL
HEPTACHLOR EPOXIDE	-	HPCLE
METHOXYCHLOR	-	MEOXCL
PCB-1016	-	PCB016
PCB-1221	-	PCB221
PCB-1232	-	PCB232
PCB-1242	-	PCB242
PCB-1248	-	PCB248
PCB-1254	-	PCB254
PCB-1260	-	PCB260
TOXAPHENE	-	TXPHEN

WILMINGTON FACILITY
INORGANIC CHEMICAL CODES

ALUMINUM, DISSOLVED	-	AL, DISS
ALUMINUM, TOTAL	-	AL, TOT
ANTIMONY, DISSOLVED	-	SB, DISS
ANTIMONY, TOTAL	-	SB, TOT
ARSENIC, DISSOLVED	-	AS, DISS
ARSENIC, TOTAL	-	AS, TOT
BARIUM, DISSOLVED	-	BA, DISS
BARIUM, TOTAL	-	BA, TOT
BERYLLIUM, DISSOLVED	-	BE, DISS
BERYLLIUM, TOTAL	-	BE, TOT
CADMIUM, DISSOLVED	-	CD, DISS
CADMIUM, TOTAL	-	CD, TOT
CALCIUM, DISSOLVED	-	CA, DISS
CALCIUM, TOTAL	-	CA, TOT
CHLORIDE, TOTAL	-	CL, TOT
CHROMIUM, DISSOLVED	-	CR, DISS
CHROMIUM, HEXAVALENT, TOTAL	-	CRHEXT
CHROMIUM, HEXAVALENT, DISSOLVED	-	CRHEX, DISS
CHROMIUM, TOTAL	-	CR, TOT
COBALT, DISSOLVED	-	CO, DISS
COBALT, TOTAL	-	CO, TOT
COPPER, DISSOLVED	-	CU, DISS
COPPER, TOTAL	-	CU, TOT
CYANIDE, TOTAL	-	CYN, TOT
IRON, DISSOLVED	-	FE, DISS
IRON, TOTAL	-	FE, TOT
LEAD, DISSOLVED	-	PB, DISS
LEAD, TOTAL	-	PB, TOT
MAGNESIUM, DISSOLVED	-	MG, DISS
MAGNESIUM, TOTAL	-	MG, TOT
MANGANESE, DISSOLVED	-	MN, DISS
MANGANESE, TOTAL	-	MN, TOT
MERCURY, DISSOLVED	-	HG, DISS
MERCURY, TOTAL	-	HG, TOT
NICKEL, DISSOLVED	-	NI, DISS
NICKEL, TOTAL	-	NI, TOT
NITRATE AS N	-	NO3
NITRITE AS N	-	NO2

WILMINGTON FACILITY
INORGANIC CHEMICAL CODES (CONT'D)

NITROGEN-AMMONIA AS N	-	AMMONIA
POTASSIUM, DISSOLVED	-	K, DISS
POTASSIUM, TOTAL	-	K, TOT
SELENIUM, DISSOLVED	-	SE, DISS
SELENIUM, TOTAL	-	SE, TOT
SILVER, DISSOLVED	-	AG, DISS
SILVER, TOTAL	-	AG, TOT
SODIUM, DISSOLVED	-	NA, DISS
SODIUM, TOTAL	-	NA, TOT
SOLIDS, TOTAL RESIDUE	-	TRS
SULFATE, TOTAL	-	SO4, TOT
THALLIUM, DISSOLVED	-	TL, DISS
THALLIUM, TOTAL	-	TL, TOT
TOTAL ORGANIC CARBON	-	TOC
VANADIUM, DISSOLVED	-	V, DISS
VANADIUM, TOTAL	-	V, TOT
ZINC, DISSOLVED	-	ZN, DISS
ZINC, TOTAL	-	ZN, TOT

DETECTED SOIL DATA

TAB 3

SUMMARY OF DETECTED SUBSURFACE SOILD DATA

SUMMARY OF DETECTED SUBSURFACE SOIL DATA - VOC's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	12DCLE	244TM1P	244TM2P	MEK	MNBK	MIBK	ACET	C6H6	CS2	CCL4	CLC6H5	CCL3	CH3CL
	ft													
BH01	6 - 8				490.0 J			17000.0	100.0 J					
BH02	6 - 8							500.0						
BH03	6 - 8		2 J	1 J	1.0 J			130.0						
BH04	6 - 8				3.0 J			460.0						
BH05	6 - 8			1 J				41.0						
BH06	4 - 6				1.0 J									
BH07	4 - 6													
BH08	4 - 6		35	16										
BH09	4 - 6		3300 J	910 J		61.0							2.0 J	
BH10	4 - 6		18	10 J										
BH11	4 - 6		2300 J	900 J		22.0								
BH11	10 - 12		3 J	2 J										
BH12	4 - 6		10 J											
BH13	8 - 10		11	6 J										
BH14	4 - 6		6 J	2 J										
BH15	8 - 10		2400 J	3600 J		3800.0	15.0 J	120.0		1.0 J				
BH16	4 - 6												1.0 J	
BH17	8 - 10		640 J	570 J		7.0 J		18.0						
BH18	4 - 6		75	39 J	10.0 J				12.0 J					
BH19	5 - 7		4 J		4.0 J			32.0						
BH20	10 - 12		29	18										0.4 J
BH21	8 - 10		14	12										
BH22	8 - 10		13	8 J				16.0						
BH23	4 - 6		7000 J	5100 J		9.0 J							1.0 J	
BH24	4 - 6		50	16		1.0 J								
BH25	4 - 6		2500 J	650 J		54.0								
BH26	7 - 9	35.0	1000	360	17.0 J	69.0 J	27.0 J	90.0			9.0 J	17.0 J	7.0 J	
BH27	4 - 6		5 J	2 J	1.0 J									
BH28	4 - 6		520 J	100 J										
BH28	4 - 6		370 J	93		78.0								
BH29	4 - 6		87	17	3.0 J	5.0 J								
BH30	8 - 10		28	15	6.0 J	26.0								
BH31	3 - 5		3 J		1.0 J				0.5 J					
BH32	4 - 6		12	7 J	0.8 J									
BH32	4 - 6													
BH33	6 - 8				0.6 J		5.0 J							
BH34	6 - 8		1700 J	720 J										

concentration:ug\kgdrywt

SUMMARY OF DETECTED SUBSURFACE SOIL DATA - VOC's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	12DCLE	245TM1P	245TM2P	MEK	MNBK	MIBK	ACET	C6H6	CS2	CCL4	CLC6H5	CCL3	CH3CL
	ft													
BH35	6 - 8		22	13		4.0 J								
BH-36	4 - 6		39 J	17 J	7 J				1 J	13 J				
BH-37	4 - 6		13 J	5 J	84 J			240 J	2 J	5 J				
BH-38	3 - 5		190 J	59 J										
BH-39	4 - 6		6 J		5 J									
BH-40	4 - 6													

concentration:ug\kgdrywt

SUMMARY OF DETECTED SUBSURFACE SOIL DATA - VOC's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	ETC6H5	C2CL2	STYR	TCLEE	MEC6H5	TXYLEN	TRCLE
	ft							
BH01	6 - 8		2000.0			150.0 J		80.0 J
BH02	6 - 8							
BH03	6 - 8							
BH04	6 - 8							
BH05	6 - 8							
BH06	4 - 6							
BH07	4 - 6							
BH08	4 - 6					1.0 J		
BH09	4 - 6				1.0 J	1.0 J		
BH10	4 - 6					1.0 J		
BH11	4 - 6							
BH11	10 - 12							
BH12	4 - 6					0.6 J		
BH13	8 - 10					2.0 J		
BH14	4 - 6					0.8 J		
BH15	8 - 10	2300.0		3300.0		4800.0	35.0	
BH16	4 - 6							
BH17	8 - 10			3.0 J		17.0		
BH18	4 - 6	11.0 J				17.0 J		10.0 J
BH19	5 - 7					0.7 J		
BH20	10 - 12			0.8 J		3.0 J		
BH21	8 - 10			0.5 J		2.0 J		
BH22	8 - 10				1.0 J	4.0 J		
BH23	4 - 6				0.8 J	0.8 J		
BH24	4 - 6							
BH25	4 - 6	2.0 J			1.0 J	1.0 J		
BH26	7 - 9				14.0 J	30.0	85.0	22.0 J
BH27	4 - 6					0.8 J		
BH28	4 - 6				1.0 J			
BH28	4 - 6	2.0 J			0.8 J			
BH29	4 - 6							
BH30	8 - 10							
BH31	3 - 5					1.0 J		
BH32	4 - 6							
BH32	4 - 6							
BH33	6 - 8					1.0 J		
BH34	6 - 8				0.9 J	0.8 J		

concentration:ug\kgdrywt

SUMMARY OF DETECTED SUBSURFACE SOIL DATA - VOC's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	ETC6H5	C2CL2	STYR	TCLEE	MEC6H5	TXYLEN	TRCLE
	ft							
BH35	6 - 8					0.7 J		
BH-36	4 - 6			3 J		190 J		
BH-37	4 - 6					17 J		
BH-38	3 - 5			4 J				
BH-39	4 - 6							
BH-40	4 - 6							

concentration:ug\kgdrywt

SUMMARY OF DETECTED SUBSURFACE SOIL DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	124TCB	2MNAP	ANTRC	BAANTR	BAPYR	BBFANT	B2EHP	BBZP	CHRY	DNBP	DNOP	DBZFUR
	ft												
BH01	6 - 8												
BH02	6 - 8							3500					
BH03	6 - 8							1700					
BH04	6 - 8							27000 J				73 J	
BH05	6 - 8												
BH06	4 - 6											60 J	
BH07	4 - 6							2500				14 J	
BH08	4 - 6	86 J						3900					
BH09	4 - 6			28 J	80 J	55 J	84 J			86 J			
BH10	4 - 6	75 J						8200	35 J				
BH11	4 - 6				48 J		49 J	1100	130 J	57 J		23 J	
BH11	10 - 12												
BH12	4 - 6		63 J		52 J		43 J	1100000	2200	89 J	32000	130 J	110 J
BH13	8 - 10												
BH14	4 - 6						39 J	70000	500 J			59 J	
BH15	8 - 10												
BH16	4 - 6							4900					
BH17	8 - 10							36000	150 J				
BH18	4 - 6								50 J				
BH19	5 - 7							300 J				310 J	
BH20	10 - 12												
BH21	8 - 10												
BH22	8 - 10												
BH23	4 - 6								65 J				
BH26	7 - 9							1200000				370 J	
BH27	4 - 6							1100					
BH28	4 - 6							330000				260 J	
BH28	4 - 6							320000				100 J	
BH29	4 - 6							1500					
BH30	8 - 10							210000				220 J	
BH31	3 - 5							450 J					
BH32	4 - 6							100 J					
BH32	4 - 6							1600					
BH33	6 - 8							390 J				260 J	
BH34	6 - 8							950000				310 J	
BH35	6 - 8							2500					

concentration:ug/kg drywt

SUMMARY OF DETECTED SUBSURFACE SOIL DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	124TCB	2MNAP	ANTRC	BAANTR	BAPYR	BBFANT	B2EHP	BBZP	CHRY	DNBP	DNOP	DBZFUR
	ft												
BH-36	4 - 6							240000 J	4500 J			130 J	
BH-37	4 - 6				48 J		49 J	120000	370 J	58 J		120 J	
BH-38	3 - 5							6700000	560 J			380 J	
BH-39	4 - 6							3400					
BH-40	4 - 6							1400 U					

concentration:ug/kg drywt

SUMMARY OF DETECTED SUBSURFACE SOIL DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	DEP	FANT	ICDPYR	NNDPA	NAP	PHANTR	PHENOL	PYR
	ft								
BH01	6 - 8								
BH02	6 - 8				160 J				
BH03	6 - 8								
BH04	6 - 8				290 J				
BH05	6 - 8								
BH06	4 - 6								
BH07	4 - 6				150 J				
BH08	4 - 6				570 J			100 J	
BH09	4 - 6		160 J				120 J		130 J
BH10	4 - 6				980	630 J		75 J	
BH11	4 - 6	46 J							170 J
BH11	10 - 12								43 J
BH12	4 - 6				3400000	160 J	640 J		200 J
BH13	8 - 10								
BH14	4 - 6		38 J		20000		62 J		64 J
BH15	8 - 10								
BH16	4 - 6				3000				
BH17	8 - 10				14000		52 J		
BH18	4 - 6	57 J							
BH19	5 - 7								
BH20	10 - 12								
BH21	8 - 10								
BH22	8 - 10								
BH23	4 - 6								
BH26	7 - 9								140 J
BH27	4 - 6								
BH28	4 - 6			960					
BH28	4 - 6								
BH29	4 - 6								
BH30	8 - 10			280 J	330 J				
BH31	3 - 5								
BH32	4 - 6								
BH32	4 - 6								
BH33	6 - 8								
BH34	6 - 8				360 J				
BH35	6 - 8				410 J				

concentration:ug/kg drywt

SUMMARY OF DETECTED SUBSURFACE SOIL DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	DEP	FANT	ICDPYR	NNDPA	NAP	PHANTR	PHENOL	PYR
	ft								
BH-36	4 - 6							250 J	120 J
BH-37	4 - 6		72 J						57 J
BH-38	3 - 5				11000				
BH-39	4 - 6								
BH-40	4 - 6								

concentration:ug/kg drywt

SUMMARY OF DETECTED SUBSURFACE SOIL DATA - PCB's AND PESTICIDES's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	44DDE	ALDRN	ABHC	ESFSO4	ENDRN	ENDRNK	LIN
	ft							
BH01	6 - 8							
BH02	6 - 8							
BH03	6 - 8						45	48
BH04	6 - 8							
BH05	6 - 8							
BH06	4 - 6							
BH07	4 - 6							
BH08	4 - 6							
BH09	4 - 6							
BH10	4 - 6							
BH11	4 - 6							
BH11	10 - 12							
BH12	4 - 6	40	32	24	150	89		
BH13	8 - 10							
BH14	4 - 6							
BH15	8 - 10							
BH16	4 - 6							
BH17	8 - 10							
BH18	4 - 6							
BH19	5 - 7							
BH20	10 - 12							
BH21	8 - 10							
BH22	8 - 10							
BH23	4 - 6							
BH26	7 - 9							
BH27	4 - 6							
BH28	4 - 6							
BH28	4 - 6							
BH29	4 - 6							
BH30	8 - 10							
BH31	3 - 5							
BH32	4 - 6							
BH32	4 - 6							
BH33	6 - 8							
BH34	6 - 8							
BH35	6 - 8							

concentration:ug/kg drywt.

SUMMARY OF DETECTED SUBSURFACE SOIL DATA - PCB's AND PESTICIDES's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	44DDE	ALDRN	ABHC	ESFSO4	ENDRN	ENDRNK	LIN
	ft							
BH-36	4 - 6							
BH-37	4 - 6							
BH-38	3 - 5							
BH-39	4 - 6							
BH-40	4 - 6							

concentration:ug/kg drywt.

SUMMARY OF DETECTED SUBSURFACE SOIL DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	AL, TOT	AMMONIA AS N	SB, TOT	AS, TOT	BA, TOT	BE, TOT	CD, TOT	CA, TOT	CL, TOT	CR, TOT	CO, TOT
	ft											
BH01	6 - 8	7600	210.0 J		8.0	16.0			16000	100.0 J	100.0	2.9
BH02	6 - 8	8300	91.0 J		12.0	30.0			3700	57.0 J	21.0	3.8
BH03	6 - 8	9000	28.0 J		21.0	29.0		1.8	8700		36.0	5.0
BH04	6 - 8	9200	100.0 J		13.0	36.0		1.4	4900		41.0	6.2
BH05	6 - 8	10000	63.0 J		9.0	35.0		1.2	3000		21.0	5.1
BH06	4 - 6	10000	30.0 J		16.0	39.0		1.2	2500	88.0 J	25.0	7.2
BH07	4 - 6	7900	48.0 J		4.3	28.0			4300	71.0 J	160.0	2.3
BH08	4 - 6	4100	33.0 J		4.6	14.0		1.4	4500		22.0	1.8
BH09	4 - 6	9800	8.4 J		13.0	23.0		1.2	1600		27.0	5.2
BH10	4 - 6	460	72.0 J		1.1	6.6			2600	62.0 J	7.3	
BH11	4 - 6	9000			12.0	33.0		1.0	1900		18.0	4.0
BH11	10 - 12	7500	21.0 J		18.0	38.0		1.3	1500		25.0	4.1
BH12	4 - 6	7100	59.0 J	41	4.2	42.0			710		2400.0	3.7
BH13	8 - 10	5700	12.0 J		9.2	75.0		1.0	730	51.0 J	160.0	2.7
BH14	4 - 6	5700	28.0 J		3.7	15.0 J		1.0 J	740	98.0 J	1300.0	2.4 J
BH15	8 - 10	6000	11.0 J		5.5	18.0			990		28.0	2.4
BH16	4 - 6	3400	26.0 J		2.3	23.0			570		610.0	1.8
BH17	8 - 10	4500	360.0 J		4.4	20.0			830		1200.0	2.5
BH18	4 - 6	5700	70.0 J			2.8			170	130.0 J	5.9	
BH19	5 - 7	4600	100.0 J		1.9	5.9			540	57.0 J	5.8	
BH20	10 - 12	4400	12.0 J		4.2	13.0			810		230.0	
BH21	8 - 10	7500	10.0 J		9.6	18.0		1.1	1400		12.0	2.8
BH22	8 - 10	5600	52.0 J		11.0	44.0			970	47.0 J	27.0	2.7
BH23	4 - 6	7300	95.0 J		2.2	11.0			760	170.0 J	21.0	3.0
BH24	4 - 6		14.0 J							43.0 J		
BH25	4 - 6		24.0 J							51.0 J		
BH26	7 - 9	1200			0.9	6.0			5900		6.6	
BH27	4 - 6	5200 J	9.1 J		7.5 J	16.0			1000		11.0	3.0
BH28	4 - 6	3600			4.2	6.0			550		6.6	
BH28	4 - 6	3200			4.3	5.6			400		5.8	
BH29	4 - 6	3800			4.7	7.3			460		8.2	2.1

concentration: mg\kgdrywt

SUMMARY OF DETECTED SUBSURFACE SOIL DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	AL, TOT	AMMONIA AS N	SB, TOT	AS, TOT	BA, TOT	BE, TOT	CD, TOT	CA, TOT	CL, TOT	CR, TOT	CO, TOT
	ft											
BH30	8 - 10	4400			5.5	12.0			1600		6.3	3.0
BH31	3 - 5	3400	400.0 J		5.7	5.2			150	90.0 J	11.0	1.9
BH32	4 - 6	3100			4.0	6.2			480		4.8	1.6
BH32	4 - 6	3300			4.0	5.1			460		5.2	1.8
BH33	6 - 8	3300			3.2	5.8			740	53.0 J	5.1	
BH34	6 - 8	2800	10.0 J		4.2	5.9			620	56.0 J	4.2	1.9
BH35	6 - 8	2400	9.2 J		2.7	6.1			610	23.0 J	5.1	
BH36	4 - 6	5000	10			13			990		610	1.6 J
BH37	4 - 6	6500	140		7.1	14			1400		410	4.4 J
BH38	3 - 5	7900	41		4.4	22			1200		500	3.8 J
BH39	4 - 6	5300	24		4.3	9.8			210		6.3	1.6 J
BH40	4 - 6	4700	29		2.2	17			680		6.3	2.4 J

concentration: mg\kgdrywt

SUMMARY OF DETECTED SUBSURFACE SOIL DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	CU, TOT	CYN, TOT	FE, TOT	PB, TOT	MG, TOT	MN, TOT	HG, TOT	NI, TOT	K, TOT	TRS	SE, TOT
	ft										Wt %	
BH01	6 - 8	8.2		7800		1900	72.0		6.7	670	90	
BH02	6 - 8	9.8		9500	11	2600	140.0		11.0	1100	93	
BH03	6 - 8	10.0		11000		4000	130.0		18.0	1800	88	
BH04	6 - 8	47.0		14000	52	3800	230.0		14.0	1400	88	
BH05	6 - 8	12.0		12000		3500	200.0		14.0	2000	91	
BH06	4 - 6	14.0		13000		4000	250.0		18.0	2100	93	
BH07	4 - 6	12.0		9400		2300	140.0		8.9	1100	90	
BH08	4 - 6	4.0		5100		1800	76.0		4.8	1000	92	
BH09	4 - 6	10.0		15000		4700	320.0		12.0	1300	95	
BH10	4 - 6			840		150	7.6			160	84	
BH11	4 - 6	13.0		9900		2600	110.0		11.0	1600	97	
BH11	10 - 12	14.0		12000		3800	150.0		9.2	1700	91	
BH12	4 - 6	7.7	2.3 J	8800		3400	100.0	0.3	6.9	1300	92	
BH13	8 - 10	8.8		10000		2900	340.0		5.4	1400	94	
BH14	4 - 6	10.0 J		9900 J	40	1700 J	73.0 J		7.2 J	760 J	88	
BH15	8 - 10	7.3		8300		2900	110.0		7.7	1100	90	
BH16	4 - 6	4.5		6700		1800	62.0	0.1		1100	89	
BH17	8 - 10	12.0	5.4 J	9200		1600	76.0	0.1	8.2	430	84	
BH18	4 - 6			580		210	8.7			130	72	
BH19	5 - 7			3500		1100	32.0		4.3	410	87	
BH20	10 - 12	4.7		9500		1500	67.0		5.6	960	94	
BH21	8 - 10	9.9		9800		2800	94.0		7.1	1200	96	
BH22	8 - 10	6.2		10000		2700	78.0		5.6	1800	89	
BH23	4 - 6	2.9		7400		3600	76.0		7.6	250	86	
BH24	4 - 6										88	
BH25	4 - 6										86	
BH26	7 - 9			2100		610	30.0			430	86	
BH27	4 - 6	6.2		7300 J		2000 J	86.0 J		7.7 J	1200	95	
BH28	4 - 6	2.8		4100		1000	33.0		4.3 J	500	94	
BH28	4 - 6	2 J		3600		960	31.0		4.3 J	450	94	
BH29	4 - 6	[illegible]		5000		1000	44.0		4.6 J	440	94	

concentration: mg\kgdrywt

SUMMARY OF DETECTED SUBSURFACE SOIL DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	CU, TOT	CYN, TOT	FE, TOT	PB, TOT	MG, TOT	MN, TOT	HG, TOT	NI, TOT	K, TOT	TRS	SE, TOT
	ft										Wt %	
BH30	8 - 10	6.0		5900		1400	59.0		5.5 J	700	92	
BH31	3 - 5	3.1		7700		910	30.0			200	85	
BH32	4 - 6	3.4		4300		980	37.0			450	96	
BH32	4 - 6	2.6		4400		980	38.0			410	95	
BH33	6 - 8			3700		960	32.0		4.5 J	360	94	
BH34	6 - 8	2.8		4300		920	35.0		4.1 J	380	90	
BH35	6 - 8	2.5		3200		860	30.0			390	95	
BH36	4 - 6	10		4900	11	830	34			600	87	
BH37	4 - 6	9.7	2.3 J	8100	14	2300	79		7.4	860	84	
BH38	3 - 5	15		8500	11	2200	79		8.6	1000	79	
BH39	4 - 6	3.2		3700		820	26		4.7	250	82	
BH40	4 - 6	2.7		3600		1100	35		4.8	530	72	

concentration: mg\kgdrywt

SUMMARY OF DETECTED SUBSURFACE SOIL DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	AG, TOT	NA, TOT	SO4, TOT	TL, TOT	TOC	V, TOT	ZN, TOT
	ft							
BH01	6 - 8		67	1400 J		16000 J	12.0	21.0
BH02	6 - 8		79	13000 J		7700 J	12.0	24.0
BH03	6 - 8		100	2700 J		6600 J	17.0	30.0
BH04	6 - 8		240	33000 J		28000 J	21.0	84.0
BH05	6 - 8		120	1600 J		0 NR	16.0	30.0
BH06	4 - 6		160	1300 J		0 NR	18.0	31.0
BH07	4 - 6		140	680 J		8700	16.0	17.0
BH08	4 - 6		95	2000 J			5.9	14.0
BH09	4 - 6		140	210 J			18.0	27.0
BH10	4 - 6		70	6100 J				
BH11	4 - 6		150	140 J			13.0	27.0
BH11	10 - 12		120	110 J			16.0	23.0
BH12	4 - 6		190	87 J			24.0	33.0
BH13	8 - 10		100	67 J			15.0	21.0
BH14	4 - 6		200	110 J			12.0	32.0
BH15	8 - 10	4.5	100	47 J			10.0	33.0
BH16	4 - 6		82	40 J			10.0	28.0
BH17	8 - 10		120				13.0	29.0
BH18	4 - 6		440				2.6	3.2
BH19	5 - 7		71				4.9	8.0
BH20	10 - 12		100	120 J			8.4	23.0
BH21	8 - 10		200	230 J			11.0	18.0
BH22	8 - 10		140	37 J			14.0	18.0
BH23	4 - 6		40	140 J			18.0	18.0
BH24	4 - 6			120 J				
BH25	4 - 6							
BH26	7 - 9		96					3.4
BH27	4 - 6		41				10.0	16.0
BH28	4 - 6		30	22 J			5.6	15.0
BH28	4 - 6		26	28 J			4.9	16.0
BH29	4 - 6		54	80 J			6.2	12.0

concentration: mg\kgdrywt

SUMMARY OF DETECTED SUBSURFACE SOIL DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	AG, TOT	NA, TOT	SO4, TOT	TL, TOT	TOC	V, TOT	ZN, TOT
	ft							
BH30	8 - 10		130	58 J			8.6	18.0
BH31	3 - 5		55				7.0	8.0
BH32	4 - 6		22	28 J			5.4	11.0
BH32	4 - 6		24				5.0	9.6
BH33	6 - 8		26				5.5	9.9
BH34	6 - 8		110	120 J			4.2	7.1
BH35	6 - 8		31	23 J			4.2	8.5
BH36	4 - 6		120				13	9.2
BH37	4 - 6		100				14	20
BH38	3 - 5		90				19	33
BH39	4 - 6		21	34			5.8	33
BH40	4 - 6		34				5.5	47

concentration: mg\kgdrywt

TAB 4

AVERAGE DETECTED CONCENTRATIONS FOR SUBSURFACE SOIL DATA

AVERAGE DETECTED CONCENTRATIONS FOR SUBSURFACE SOIL

OLIN - WILMINGTON FACILITY

CHEMICAL	# OF ANALYSES	# OF DETECTS	MAX DET CONC	MIN DET CONC	SUM OF CONC	AVG DET CONC
			ug/kgdrywt	ug/kgdrywt	ug/kgdrywt	ug/kgdrywt
VOC (SUBSURFACE)						
ETHYLBENZENE	43	4	2300.00	2.00	2315.00	578.75
METHYLENE CHLORIDE	43	1	2000.00	2000.00	2000.00	2000.00
STYRENE	43	6	3300.00	0.50	3311.30	551.88
TETRACHLOROETHENE	43	8	14.00	0.80	20.50	2.56
TOLUENE	43	24	4800.00	0.80	5243.20	218.47
XYLENES, TOTAL	43	2	85.00	35.00	120.00	60.00
TRICHLOROETHENE	43	3	80.00	10.00	112.00	37.33
1,2-DICHLOROETHANE	43	1	35.00	35.00	35.00	35.00
2,4,4-TRIMETHYL-1-PENTENE	43	33	7000.00	2.00	22405.00	678.94
2,4,4-TRIMETHYL-2-PENTENE	43	30	5100.00	1.00	13269.00	442.30
2-BUTANONE	43	16	490.00	0.60	634.40	39.65
2-HEXANONE	43	12	3800.00	1.00	4136.00	344.67
4-METHYL-2-PENTANONE	43	3	27.00	5.00	47.00	15.67
ACETONE	43	11	17000.00	16.00	18647.00	1695.18
BENZENE	43	5	100.00	0.50	115.50	23.10
CARBON DISULFIDE	43	3	13.00	1.00	19.00	6.33
CARBON TETRACHLORIDE	43	1	9.00	9.00	9.00	9.00
CHLOROBENZENE	43	1	17.00	17.00	17.00	17.00
CHLOROFORM	43	4	7.00	1.00	11.00	2.75
CHLOROMETHANE	43	1	0.40	0.40	0.40	0.40

AVERAGE DETECTED CONCENTRATIONS FOR SUBSURFACE SOIL

OLIN - WILMINGTON FACILITY

CHEMICAL	# OF ANALYSES	# OF DETECTS	MAX DET CONC	MIN DET CONC	SUM OF CONC	AVG DET CONC
			ug/kgdrywt	ug/kgdrywt	ug/kgdrywt	ug/kgdrywt
BNA (SUBSURFACE)						
1,2,4-TRICHLOROBENZENE	42	2	86.00	75.00	161.00	80.50
2-METHYLNAPHTHALENE	42	1	63.00	63.00	63.00	63.00
ANTHRACENE	42	1	28.00	28.00	28.00	28.00
BENZO(A)ANTHRACENE	42	4	80.00	48.00	228.00	57.00
BENZO(A)PYRENE	42	1	55.00	55.00	55.00	55.00
BENZO(B)FLUORANTHENE	42	5	84.00	39.00	264.00	52.80
BIS(2-ETHYLHEXYL)PHTHALATE	42	29	1200000.00	100.00	11341540.00	391087.59
BUTYL BENZYLPHTHALATE	42	10	4500.00	35.00	8560.00	856.00
CHRYSENE	42	4	89.00	57.00	290.00	72.50
DI-N-BUTYLPHTHALATE	42	1	32000.00	32000.00	32000.00	32000.00
DI-N-OCTYLPHTHALATE	42	16	380.00	14.00	2819.00	176.19
DIBENZOFURAN	42	1	110.00	110.00	110.00	110.00
DIETHYLPHTHALATE	42	2	57.00	46.00	103.00	51.50
FLUORANTHENE	42	3	160.00	38.00	270.00	90.00
INDENO(1,2,3-CD)PYRENE	42	2	960.00	280.00	1240.00	620.00
N-NITROSODIPHENYLAMINE	42	13	3400000.00	150.00	3451250.00	265480.77
NAPHTHALENE	42	2	630.00	160.00	790.00	395.00
PHENANTHRENE	42	4	640.00	52.00	874.00	218.50
PHENOL	41	3	250.00	75.00	425.00	141.67
PYRENE	42	8	200.00	43.00	924.00	115.50

AVERAGE DETECTED CONCENTRATIONS FOR SUBSURFACE SOIL

OLIN - WILMINGTON FACILITY

CHEMICAL	# OF ANALYSES	# OF DETECTS	MAX DET CONC	MIN DET CONC	SUM OF CONC	AVG DET CONC
			ug/kgdrywt	ug/kgdrywt	ug/kgdrywt	ug/kgdrywt
PEST/PCB (SUBSURFACE)						
4,4'-DDE	41	1	40.00	40.00	40.00	40.00
ALDRIN	41	1	32.00	32.00	32.00	32.00
ALPHA-BHC	41	1	24.00	24.00	24.00	24.00
ENDOSULFAN SULFATE	41	1	150.00	150.00	150.00	150.00
ENDRIN	41	1	89.00	89.00	89.00	89.00
ENDRIN KETONE	41	1	45.00	45.00	45.00	45.00
GAMMA-BHC (LINDANE)	41	1	48.00	48.00	48.00	48.00

AVERAGE DETECTED CONCENTRATIONS FOR SUBSURFACE SOIL

OLIN - WILMINGTON FACILITY

CHEMICAL	# OF ANALYSES	# OF DETECTS	MAX DET CONC	MIN DET CONC	SUM OF CONC	AVG DET CONC
			mg/kgdrywt	mg/kgdrywt	mg/kgdrywt	mg/kgdrywt
INORG (SUBSURFACE)						
ALUMINUM	42	42	10000.00	460.00	235560.00	5608.57
AMMONIA	43	34	400.00	8.40	2249.70	66.17
ANTIMONY	42	1	41.00	41.00	41.00	41.00
ARSENIC	42	40	21.00	0.90	265.00	6.63
BARIUM	42	42	75.00	2.80	789.30	18.79
BERYLLIUM	42	0	0.00	0.00	0.00	0.00
CADMIUM	42	11	1.80	1.00	13.60	1.24
CALCIUM	42	42	16000.00	150.00	82490.00	1964.05
CHLORIDE	43	17	170.00	23.00	1247.00	73.35
CHROMIUM	42	42	2400.00	4.20	8129.50	193.56
COBALT	42	33	7.20	1.60	103.10	3.12
COPPER	42	37	47.00	2.50	310.90	8.40
CYANIDE	41	3	5.40	2.30	10.00	3.33
IRON	42	42	15000.00	580.00	306820.00	7305.24
LEAD	42	6	52.00	11.00	139.00	23.17
MAGNESIUM	42	42	3800.00	150.00	83590.00	1990.24
MANGANESE	42	42	230.00	7.60	3780.30	90.01
MERCURY	42	3	0.30	0.10	0.50	0.17
NICKEL	42	33	18.00	4.30	259.20	7.85
POTASSIUM	42	42	2000.00	130.00	36830.00	876.90
SELENIUM	42	0	0.00	0.00	0.00	0.00
SILVER	42	1	4.50	4.50	4.50	4.50
SODIUM	42	42	440.00	21.00	4313.00	102.69
SULFATE	43	30	33000.00	22.00	63631.00	2121.03
THALLIUM	42	0	0.00	0.00	0.00	0.00
TOC	7	5	28000.00	6600.00	67000.00	13400.00
VANADIUM	42	40	24.00	2.60	443.70	11.09
ZINC	42	41	84.00	3.20	887.90	21.66

TAB 5

SUMMARY OF DETECTED SURFACE SOIL DATA

SUMMARY OF DETECTED SURFACE SOIL DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

LOCATION	SE, TOT	NA, TOT	SO4, TOT	TL, TOT	V, TOT	ZN, TOT
AREA 01		44	190.0 J		18	24
AREA 02		42	4.2 J		18	31
AREA 03	0.93	53	37.0 J		24	52
AREA 04		34	4.2 J		20	38
AREA 05		33	4.2 J		20	58
AREA 06		37	4.2 J		16	47
AREA 07	1.60 J	66	50.0 J	0.63 J	22	150
AREA 08	2.20	130	28000.0 J	0.88	16	37
AREA 09		34	83.0 J	0.80	34	72
AREA 10	0.64	39	50.0 J	0.64	17	38
AREA 10	0.68	35	11.0 J	0.68	18	38
SMWU25		80			20	21
SMWU27						
SMWU 27		32	82 J		14.0	42.0
SMWU 30		360	1200 J		24.0	32.0
SMWU 33		680	2400 J		37.0	180.0

concentration:mg\kgdrywt

SUMMARY OF DETECTED SURFACE SOIL DATA - VOC's

OLIN - WILMINGTON FACILITY

LOCATION	244TM1P	244TM2P	MIBK	ACET	C2CL2	TCLEE	MEC6H5
AREA 01							
AREA 02							
AREA 03						1.0 J	
AREA 04							2.0 J
AREA 05							
AREA 06							3.0 J
AREA 07							
AREA 08	14	5 J			36		
AREA 09							4.0 J
AREA 10							2.0 J
AREA 10							4.0 J
SWMU 27	300 J	39		93.0 J	47.0 J	73.0 J	15.0 J
SWMU 30	18		7.0 J				13.0 J
SWMU 33						1.0 J	1.0 J

concentration: ug/kgdrywt

SUMMARY OF DETECTED SURFACE SOIL DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	2MNAP	ANAPYL	ANTRC	BAANTR	BAPYR	BBFANT	BGHIPY	BKFANT	BENZOA	B2EHP	BBZP	CHRY	DNBP
AREA 01				99 J	59 J	180 J		65 J		2900		170 J	
AREA 02	67 J			75 J	57 J	130 J		42 J		130 J		150 J	14 J
AREA 03				99 J	72 J	160 J		39 J		530 J		150 J	
AREA 04	75 J	57 J	69 J	360 J	240 J	560 J		150 J		340 J	61 J	640 J	34 J
AREA 05		33 J	44 J	220 J	220 J	310 J	120 J	110 J		820 J	130 J	400 J	36 J
AREA 06				56 J	44 J	66 J	41 J	24 J		1400	35 J	72 J	35 J
AREA 07				29 J	30 J	39 J				2000 J		53 J	18 J
AREA 08									270 J	89000	800 J		
AREA 09	38 J			100 J	94 J	170 J	82 J	51 J	220 J	240 J		190 J	
AREA 10				39 J	35 J	48 J	29 J	18 J		66 J		46 J	
AREA 10				37 J	57 J	85 J				100 J		43 J	17 J
SMWU25					89 J	61 J				2200		84 J	
SWMU 27										5500000 J	2600 J		10000 J
SWMU 30										3E+07 R	14000 R		89000 R
SWMU 33										34000 J			270 J

concentration: ug/kgdrywt

SUMMARY OF DETECTED SURFACE SOIL DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	DNOP	DL..HA	DEP	DMP	FANT	ICDPYR	NNDPA	NAP	PHANTR	PHENOL	PYR
AREA 01					250 J	64 J			160 J		160 J
AREA 02					190 J	51 J		49 J	170 J		140 J
AREA 03					200 J	92 J			150 J		180 J
AREA 04		74 J			940	200 J		66 J	680 J		660 J
AREA 05					510 J	130 J	59 J		340 J	69 J	450 J
AREA 06	20 J		33 J	64 J	110 J	38 J	480 J		64 J	47 J	77 J
AREA 07	53 J				72 J	35 J			31 J		56 J
AREA 08	170 J					64 J	560 J				120 J
AREA 09			21 J		280 J	110 J		27 J	180 J		170 J
AREA 10					87 J	34 J			43 J		66 J
AREA 10					78 J	60 J			41 J		60 J
SMWU25					95 J				39 J		66 J
SWMU 27	4700 J						32000 J				
SWMU 30	16000 R						31000 R				
SWMU 33											

concentration: ug/kgdrywt

SUMMARY OF DETECTED SURFACE SOIL DATA - PESTICIDE's AND PCB's

OLIN - WILMINGTON FACILITY

LOCATION	44DDD	44DDE	44DDT	ABHC	BENSLF	DLDRN
AREA 01						
AREA 02						
AREA 03						
AREA 04	39 J	49 J	680 J			680 UJ
AREA 05			61 J			
AREA 06						
AREA 07						
AREA 08						
AREA 09						
AREA 10						
AREA 10						
SMWU 27				220 J	92 J	
SMWU 30		1700 J			340 J	
SMWU 33						

concentration:ug/kg drywt

SUMMARY OF DETECTED SURFACE SOIL DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

Sb, (antimony?)

LOCATION	AL, TOT	AMMONIA AS N	SE, TOT	AS, TOT	BA, TOT	BE, TOT	CD, TOT	CA, TOT	CL, TOT	CRHEXDIS	CR, TOT
AREA 01	8000	43		24.0	25			1200	49 J		320.0
AREA 02	5900	25		7.0	38			720	68 J		8.8
AREA 03	6000	39		11.0	42			1400			19.0
AREA 04	4300	23		8.6	20			990			27.0
AREA 05	4800	14		15.0	21			1600			12.0
AREA 06	4800	18		6.8	19			1100			27.0
AREA 07	9000	19		19.0 J	34		1.3	5200			85.0
AREA 08	9100	170		7.0	21			53000	110 J		750.0
AREA 09	5600	27		9.8	22			910	56 J		23.0
AREA 10	10000	19		12.0	29			1400	45 J		16.0
AREA 10	9500	15		12.0	27			1300	78 J		19.0
SMWU25	4700			7.9 J	14			670			19
SMWU27										17 * J	280.0 J
SMWU 27	5200	670.0 J	76	4.3	21.0			240			4500.0
SMWU 30	7300	400.0	54	13.0	47.0			650	250.0 J		3600.0
SMWU 33	59000	300.0	79	18.0	21.0	4.0	5.8	1400	560.0 J		5000.0

concentration:mg\kgdrywt * - denotes units in mg/kgwetwt

SUMMARY OF DETECTED SURFACE SOIL DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

LOCATION	CO, TOT	CU, TOT	CYN, TOT	FE, TOT	PB, TOT	MG, TOT	MN, TOT	HG, TOT	NI, TOT	K, TOT	TRS
											Wt %
AREA 01	9.9	14.0		16000	58	1200	530		5.8	520	61 J
AREA 02		12.0		6900	36	610	40	0.15	4.7	240	87 J
AREA 03	2.7	19.0		7000	73	1200	54	0.14	8.1	440	70 J
AREA 04	1.8	16.0		6600	61	1400	66	0.10	8.0	440	94 J
AREA 05	2.7	24.0		7200	53	1800	87		8.9	510	96 J
AREA 06	3.0	8.4		8100	17	1900	87		8.6	780	98 J
AREA 07	6.9	18.0		16000	100 J	3400	210		18.0	1500	97 J
AREA 08	3.9	12.0		8700	34	1200	57	0.34	9.3	380	71 J
AREA 09	2.1	22.0		9500	210	1200	76	0.12	7.6	350	83 J
AREA 10	3.8	13.0		10000	34	2400	140		10.0	940	96 J
AREA 10	3.6	12.0		10000	23	2600	140		10.0	900	94 J
SMWU25	3.1	5.6 J		7900		2400	90		12	980	97
SMWU27											42
SMWU 27	1.7	18.0		5500	16	580	20.0	2.8 J		130	80 J
SMWU 30	4.4	35.0	7.5 J	17000	38	1100	52.0	3.2 J	9.7	200	60 J
SMWU 33	45.0	33.0	5.2 J	100000	62	550	140.0	0.4	67.0	160	30

concentration:mg\kgdrywt * - denotes units in mg/kgwetwt

TAB 6

AVERAGE DETECTED CONCENTRATIONS FOR SURFACE SOIL DATA

AVERAGE DETECTED CONCENTRATIONS FOR SURFACE SOIL

OLIN - WILMINGTON FACILITY

CHEMICAL	# ANALYSIS	# DETECT	AVG DET CONC	MAX DET CONC	MIN DET CONC	UNITS
VOC (SURFACE)						
1,1,1-TRICHLOROETHANE	15	0	0	0	0	UG/KGDRYWT
1,1,2,2-TETRACHLOROETHANE	15	0	0	0	0	UG/KGDRYWT
1,1,2-TRICHLOROETHANE	15	0	0	0	0	UG/KGDRYWT
1,1-DICHLOROETHANE	15	0	0	0	0	UG/KGDRYWT
1,1-DICHLOROETHENE	15	0	0	0	0	UG/KGDRYWT
1,2-DICHLOROETHANE	15	0	0	0	0	UG/KGDRYWT
1,2-DICHLOROETHENE, TOTAL	15	0	0	0	0	UG/KGDRYWT
1,2-DICHLOROPROPANE	15	0	0	0	0	UG/KGDRYWT
2,4,4-TRIMETHYL-1-PENTENE	15	3	110.70	300	14	UG/KGDRYWT
2,4,4-TRIMETHYL-2-PENTENE	15	2	22	39	5	UG/KGDRYWT
2-BUTANONE	15	0	0	0	0	UG/KGDRYWT
2-HEXANONE	15	0	0	0	0	UG/KGDRYWT
4-METHYL-2-PENTANONE	15	1	7	7	7	UG/KGDRYWT
ACETONE	15	1	93	93	93	UG/KGDRYWT
BENZENE	15	0	0	0	0	UG/KGDRYWT
BROMODICHLOROMETHANE	15	0	0	0	0	UG/KGDRYWT
BROMOFORM	15	0	0	0	0	UG/KGDRYWT
BROMOMETHANE	15	0	0	0	0	UG/KGDRYWT
CARBON DISULFIDE	15	0	0	0	0	UG/KGDRYWT
CARBON TETRACHLORIDE	15	0	0	0	0	UG/KGDRYWT
CHLOROBENZENE	15	0	0	0	0	UG/KGDRYWT
CHLOROETHANE	15	0	0	0	0	UG/KGDRYWT
CHLOROFORM	15	0	0	0	0	UG/KGDRYWT
CHLOROMETHANE	15	0	0	0	0	UG/KGDRYWT
CIS-1,3-DICHLOROPROPENE	15	0	0	0	0	UG/KGDRYWT
DIBROMOCHLOROMETHANE	15	0	0	0	0	UG/KGDRYWT
ETHYLBENZENE	15	0	0	0	0	UG/KGDRYWT
METHYLENE CHLORIDE	15	6	30.20	47	18	UG/KGDRYWT
STYRENE	15	0	0	0	0	UG/KGDRYWT
TETRACHLOROETHENE	15	3	25	73	1	UG/KGDRYWT
TOLUENE	15	8	5.50	15	1	UG/KGDRYWT
XYLENES, TOTAL	15	0	0	0	0	UG/KGDRYWT
TRANS-1,3-DICHLOROPROPENE	15	0	0	0	0	UG/KGDRYWT
TRICHLOROETHENE	15	0	0	0	0	UG/KGDRYWT
VINYL ACETATE	15	0	0	0	0	UG/KGDRYWT
VINYL CHLORIDE	15	0	0	0	0	UG/KGDRYWT

AVERAGE DETECTED CONCENTRATIONS FOR SURFACE SOIL

OLIN - WILMINGTON FACILITY

CHEMICAL	# ANALYSIS	# DETECT	AVG DET CONC	MAX DET CONC	MIN DET CONC	UNITS
BNA (SURFACE)						UG/KGDRYWT
1,2,4-TRICHLOROBENZENE	15	0	0	0	0	UG/KGDRYWT
1,2-DICHLOROBENZENE	15	0	0	0	0	UG/KGDRYWT
1,3-DICHLOROBENZENE	15	0	0	0	0	UG/KGDRYWT
1,4-DICHLOROBENZENE	15	0	0	0	0	UG/KGDRYWT
2,4,5-TRICHLOROPHENOL	15	0	0	0	0	UG/KGDRYWT
2,4,6-TRICHLOROPHENOL	15	0	0	0	0	UG/KGDRYWT
2,4-DICHLOROPHENOL	15	0	0	0	0	UG/KGDRYWT
2,4-DIMETHYLPHENOL	15	0	0	0	0	UG/KGDRYWT
2,4-DINITROPHENOL	15	0	0	0	0	UG/KGDRYWT
2,4-DINITROTOLUENE	15	0	0	0	0	UG/KGDRYWT
2,6-DINITROTOLUENE	15	0	0	0	0	UG/KGDRYWT
2-CHLORONAPHTHALENE	15	0	0	0	0	UG/KGDRYWT
2-CHLOROPHENOL	15	0	0	0	0	UG/KGDRYWT
2-METHYLNAPHTHALENE	15	3	60	75	38	UG/KGDRYWT
2-METHYLPHENOL	15	0	0	0	0	UG/KGDRYWT
2-NITROANILINE	15	0	0	0	0	UG/KGDRYWT
2-NITROPHENOL	15	0	0	0	0	UG/KGDRYWT
3,3'-DICHLOROBENZIDINE	15	0	0	0	0	UG/KGDRYWT
3-NITROANILINE	15	0	0	0	0	UG/KGDRYWT
4,6-DINITRO-2-METHYLPHENOL	15	0	0	0	0	UG/KGDRYWT
4-BROMOPHENYL PHENYL ETHER	15	0	0	0	0	UG/KGDRYWT
4-CHLORO-3-METHYLPHENOL	15	0	0	0	0	UG/KGDRYWT
4-CHLOROANILINE	15	0	0	0	0	UG/KGDRYWT
4-CHLOROPHENYL PHENYL ETHER	15	0	0	0	0	UG/KGDRYWT
4-METHYLPHENOL	15	0	0	0	0	UG/KGDRYWT
4-NITROANILINE	15	0	0	0	0	UG/KGDRYWT
4-NITROPHENOL	15	0	0	0	0	UG/KGDRYWT
ACENAPHTHENE	15	0	0	0	0	UG/KGDRYWT
ACENAPHTHYLENE	15	2	45	57	33	UG/KGDRYWT
ANTHRACENE	15	2	56.50	69	44	UG/KGDRYWT
BENZO(A)ANTHRACENE	15	10	111.40	360	37	UG/KGDRYWT
BENZO(A)PYRENE	15	11	90.64	240	30	UG/KGDRYWT
BENZO(B)FLUORANTHENE	15	11	164.45	560	39	UG/KGDRYWT
BENZO(G,H,I)PERYLENE	15	4	68	120	29	UG/KGDRYWT
BENZO(K)FLUORANTHENE	15	8	62	150	18	UG/KGDRYWT
BENZOIC ACID	15	2	245	270	220	UG/KGDRYWT
BENZYL ALCOHOL	15	0	0	0	0	UG/KGDRYWT
BIS(2-CHLOROETHOXY)METHANE	15	0	0	0	0	UG/KGDRYWT
BIS(2-CHLOROETHYL)ETHER	15	0	0	0	0	UG/KGDRYWT
BIS(2-CHLOROISOPROPYL) ETHER	15	0	0	0	0	UG/KGDRYWT
BIS(2-ETHYLHEXYL)PHTHALATE	15	15	2375582	5500000	66	UG/KGDRYWT
BUTYL BENZYLPHTHALATE	15	6	2938	14000	35	UG/KGDRYWT
CHRYSENE	15	11	182	640	43	UG/KGDRYWT

AVERAGE DETECTED CONCENTRATIONS FOR SURFACE SOIL

OLIN - WILMINGTON FACILITY

CHEMICAL	# ANALYSIS	# DETECT	AVG DET CONC	MAX DET CONC	MIN DET CONC	UNITS
BNA (SURFACE)						UG/KGDRYWT
DI-N-BUTYLPHTHALATE	15	9	11047	89000	14	UG/KGDRYWT
DI-N-OCTYLPHTHALATE	15	5	4189	16000	20	UG/KGDRYWT
DIBENZO(A,H)ANTHRACENE	15	1	74	74	74	UG/KGDRYWT
DIBENZOFURAN	15	0	0	0	0	UG/KGDRYWT
DIETHYLPHTHALATE	15	2	27	33	21	UG/KGDRYWT
DIMETHYLPHTHALATE	15	1	64	64	64	UG/KGDRYWT
FLUORANTHENE	15	11	255.64	940	72	UG/KGDRYWT
FLUORENE	15	0	0	0	0	UG/KGDRYWT
HEXACHLOROBENZENE	15	0	0	0	0	UG/KGDRYWT
HEXACHLOROBUTADIENE	15	0	0	0	0	UG/KGDRYWT
HEXACHLOROCYCLOPENTADIENE	15	0	0	0	0	UG/KGDRYWT
HEXACHLOROETHANE	15	0	0	0	0	UG/KGDRYWT
INDENO(1,2,3-CD)PYRENE	15	11	79.80	200	34	UG/KGDRYWT
ISOPHORONE	15	0	0	0	0	UG/KGDRYWT
N-NITROSO-DIPROPYLAMINE	15	0	0	0	0	UG/KGDRYWT
N-NITROSODIPHENYLAMINE	15	5	128198	32000	59	UG/KGDRYWT
NAPHTHALENE	15	3	47	66	27	UG/KGDRYWT
NITROBENZENE	15	0	0	0	0	UG/KGDRYWT
PENTACHLOROPHENOL	15	0	0	0	0	UG/KGDRYWT
PHENANTHRENE	15	11	172.55	680	31	UG/KGDRYWT
PHENOL	15	2	58	69	47	UG/KGDRYWT
PYRENE	15	12	183.75	660	56	UG/KGDRYWT

AVERAGE DETECTED CONCENTRATIONS FOR SURFACE SOIL

OLIN - WILMINGTON FACILITY

CHEMICAL	# ANALYSIS	# DETECT	AVG DET CONC	MAX DET CONC	MIN DET CONC	UNITS
PEST/PCB (SURFACE)						UG/KGDRYWT
4,4'-DDD	15	1	39	39	39	UG/KGDRYWT
4,4'-DDE	15	1	49	49	49	UG/KGDRYWT
4,4'-DDT	15	2	370	680	61	UG/KGDRYWT
ALDRIN	15	0	0	0	0	UG/KGDRYWT
ALPHA-BHC	15	1	220	220	220	UG/KGDRYWT
ALPHA-CHLORDANE	15	0	0	0	0	UG/KGDRYWT
BETA-BHC	15	0	0	0	0	UG/KGDRYWT
DELTA-BHC	15	0	0	0	0	UG/KGDRYWT
DIELDRIN	15	1	680	680	680	UG/KGDRYWT
ENDOSULFAN I	15	0	0	0	0	UG/KGDRYWT
ENDOSULFAN II	15	2	218	340	92	UG/KGDRYWT
ENDOSULFAN SULFATE	15	0	0	0	0	UG/KGDRYWT
ENDRIN	15	0	0	0	0	UG/KGDRYWT
ENDRIN KETONE	15	0	0	0	0	UG/KGDRYWT
GAMMA-BHC (LINDANE)	15	0	0	0	0	UG/KGDRYWT
GAMMA-CHLORDANE	15	0	0	0	0	UG/KGDRYWT
HEPTACHLOR	15	0	0	0	0	UG/KGDRYWT
HEPTACHLOR EPOXIDE	15	0	0	0	0	UG/KGDRYWT
METHOXYCHLOR	15	0	0	0	0	UG/KGDRYWT
PCB-1016	14	1	980	980	980	UG/KGDRYWT
PCB-1221	14	0	0	0	0	UG/KGDRYWT
PCB-1232	14	0	0	0	0	UG/KGDRYWT
PCB-1242	14	0	0	0	0	UG/KGDRYWT
PCB-1248	14	0	0	0	0	UG/KGDRYWT
PCB-1254	14	0	0	0	0	UG/KGDRYWT
PCB-1260	14	0	0	0	0	UG/KGDRYWT
TOXAPHENE	15	0	0	0	0	UG/KGDRYWT

AVERAGE DETECTED CONCENTRATIONS FOR SURFACE SOIL

OLIN - WILMINGTON FACILITY

CHEMICAL	# ANALYSIS	# DETECT	AVG DET CONC	MAX DET CONC	MIN DET CONC	UNITS
INORG (SURFACE)						UG/KGDRYWT
ALUMINUM	15	15	10213.33	59000	4300	UG/KGDRYWT
AMMONIA	14	14	127.29	670	14	UG/KGDRYWT
ANTIMONY	15	3	69.67	79	54	UG/KGDRYWT
ARSENIC	15	15	11.68	24	4.30	UG/KGDRYWT
BARIUM	15	15	26.73	47	14	UG/KGDRYWT
BERYLLIUM	15	1	4.00	4	4	UG/KGDRYWT
CADMIUM	15	2	3.55	5.80	1.30	UG/KGDRYWT
CALCIUM	15	15	4785.33	53000	240	UG/KGDRYWT
CHLORIDE	15	8	152.00	560	45	UG/KGDRYWT
CHROMIUM	17	17	866.00	5000	9	UG/KGDRYWT
CHROMIUM, HEXAVALENT	1	1	17.00	17	17	UG/KGDRYWT
COBALT	15	14	6.76	45	1.70	UG/KGDRYWT
COPPER	15	15	17.44	35	5.60	UG/KGDRYWT
CYANIDE	14	2	6.35	7.50	5.20	UG/KGDRYWT
IRON	15	15	15760.00	100000	6600	UG/KGDRYWT
LEAD	15	14	58.21	210	16	UG/KGDRYWT
MAGNESIUM	15	15	1569.33	3400	550	UG/KGDRYWT
MANGANESE	15	15	119.27	530	20	UG/KGDRYWT
MERCURY	15	8	0.91	3.20	0.10	UG/KGDRYWT
NICKEL	15	14	13.41	67	4.70	UG/KGDRYWT
POTASSIUM	15	15	564.67	1500	130	UG/KGDRYWT
SELENIUM	15	5	1.21	2.20	0.64	UG/KGDRYWT
SILVER	15	0	0.00	0	0	UG/KGDRYWT
SODIUM	15	15	113.27	680	32	UG/KGDRYWT
SULFATE	15	14	2294.21	28000	4	UG/KGDRYWT
THALLIUM	15	5	0.73	0.88	0.63	UG/KGDRYWT
VANADIUM	15	15	21.20	37	14	UG/KGDRYWT
ZINC	15	15	57.33	180	21	UG/KGDRYWT

TAB 7

SUMMARY OF DETECTED TEST PIT DATA

SUMMARY OF DETECTED TEST PIT DATA - VOC's

OLIN - WILMINGTON FACILITY

SAMPLE #	MATRIX	TEST PIT #	MEK	MNBK	MIBK	ACET	C6H6	CLC6H5	ETC6H5	C2CL2	MEC6H5	TXYLEN
02	D	6	99.0 J				35.0 J	41.0 J			880.0	
03	D	8										
04	D	8										
05	D	8	40.0 J	600.0	100.0 J					77.0 U	52.0 J	
07	D	21	3.4 J			250.0					0.5 J	
01	S	1										
06	S	19	1.6 J						1.9		0.5 J	1.1
08	S	21									0.3 J	

KEY: D=DRUM S=SOIL

concentration:ug\kgdrywt

SUMMARY OF DETECTED TEST PIT DATA - BNA's

OLIN - WILMINGTON FACILITY

SAMPLE #	MATRIX	TEST PIT #	124TCB	12DCLB	14DCLB	24DMPN	2MP	4MP	B2EHP	DNBP	DNOP	DBZFUR	NNDPA	NNDNPA
02	D	6							16000					
03	D	8							4400					
04	D	8											21000000	
05	D	8											10000000	
07	D	21	350 J	840	1200	880	2900	8800	2500	120 J		100 J	1500	
01	S	1							1200					
06	S	19												1600 J
08	S	21							1100000 J		880 J			

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SAMPLE #	MATRIX	TEST PIT #	NAP	PHENOL
02	D	6		
03	D	8		
04	D	8		
05	D	8		
07	D	21	5700	
01	S	1		
06	S	19		5300 J
08	S	21		

KEY: D=DRUM S=SOIL

concentration:ug\kgdrywt

SUMMARY OF DETECTED TEST PIT DATA - PCB's & PESTICIDE's

OLIN - WILMINGTON FACILITY

SAMPLE #	MATRIX	TEST PIT #	AENSLF
02	D	6	
03	D	5	
04	D	9	
05	D	8	
07	D	21	
01	S	1	
06	S	19	
08	S	21	36.00 J

KEY: D=DRUM S=SOIL
concentration:ug\kgdrywt

SUMMARY OF DETECTED TEST PIT DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

SAMPLE #	MATRIX	TEST PIT #	AL, TOT	AMMONIA AS N	AS, TOT	BA, TOT	CD, TOT	CA, TOT	CL, TOT	CR, TOT	CO, TOT	CU, TOT
02	D	6	1800	2100 J	4.2	11.0	4.0	27000	1200 J	80.0	5.1	14.0
03	D	8	820	240 J	1.7	3.6		3400	920 J	6.6	1.6	7.2
04	D	8	6200	30 J				110	25000 J	90.0		2.8
05	D	8	4700 J	20 J				140	20000 J	33.0 J		4.3
07	D	21	260	100		1.4	2.6	5000	220 J	24.0		6.0
01	S	1	7700	640 J	6.2	15.0		6900	360	10.0	2.1	8.2
06	S	19	6200	490	4.6	90.0	4.8	1200	260	28.0	1.7	5.6
08	S	21	3100 J	47	4.0 J	11.0		160000		110.0		5.0

KEY: D=DRUM S=SOIL
concentration:ug\kgdrywt

SUMMARY OF DETECTED TEST PIT DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

SAMPLE #	MATRIX	TEST PIT #	FE, TOT	PB, TOT	MG, TOT	MN, TOT	HG, TOT	NI, TOT	K, TOT	TRS	NA, TOT	SO4, TOT
										Wt.%		
02	D	6	28000		1100.0	190.0		14.0	2000.0	40 J	4800	
03	D	8	11000		220.0	52.0		4.6	16000.0	56	2600	
04	D	8	2700		6.6	9.9	0.24	24.0	7.8	88	23	5600 J
05	D	8	210			3.4 J	0.24	18.0 J	3.5 J	79	24 J	600 J
07	D	21	40000 J		110.0	110.0			50.0	63 J	1200	350 J
01	S	1	6900	11	1400.0	60.0		6.2	250.0	81	270	28000
06	S	19	6800		1000.0	44.0	0.13	4.7	260.0	67	250	360 J
08	S	21	2600		440.0	49.0	0.91		280.0	66	110	29000

KEY: D=DRUM,S=SOIL
concentration:ug\kgdrywt

SUMMARY OF DETECTED TEST PIT DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

SAMPLE #	MATRIX	TEST PI #	V, TOT	ZN, TOT
02	D	6	7.0	220
03	D	8		41
04	D	8		24
05	D	8		18 J
07	D	21	9.9	43
01	S	1	11.0	34
06	S	19	13.0	310
08	S	21	12.0	38

KEY: D=DRUM S=SOIL
concentration:ug\kgdrywt

TAB 8

AVERAGE DETECTED CONCENTRATIONS FOR TEST PIT DAT

AVERAGE DETECTED CONCENTRATIONS FOR TEST PIT

OLIN - WILMINGTON FACILITY

CHEMICAL	# OF ANALYSES	# OF DETECTS	MAX DET CONC	MIN DET CONC	SUM OF CONC	AVG DET CONC
			ug/kgdrywt	ug/kgdrywt	ug/kgdrywt	ug/kgdrywt
VOC (TEST PIT)						
2-BUTANONE	8	4	99.00	1.60	144.00	36.00
2-HEXANONE	8	1	600.00	600.00	600.00	600.00
4-METHYL-2-PENTANONE	8	1	100.00	100.00	100.00	100.00
ACETONE	8	1	250.00	250.00	250.00	250.00
BENZENE	8	1	35.00	35.00	35.00	35.00
CHLOROBENZENE	8	1	41.00	41.00	41.00	41.00
ETHYLBENZENE	8	1	1.90	1.90	1.90	1.90
METHYLENE CHLORIDE	8	1	77.00	77.00	77.00	77.00
TOLUENE	8	5	880.00	0.30	933.30	186.66
XYLENES, TOTAL	8	1	1.10	1.10	1.10	1.10

AVERAGE DETECTED CONCENTRATIONS FOR TEST PIT

OLIN - WILMINGTON FACILITY

CHEMICAL	# OF ANALYSES	# OF DETECTS	MAX DET CONC	MIN DET CONC	SUM OF CONC	AVG DET CONC
			ug/kgdrywt	ug/kgdrywt	ug/kgdrywt	ug/kgdrywt
BNA (TEST PIT)						
1,2,4-TRICHLOROBENZENE	8	1	350.00	350.00	350.00	350.00
1,2-DICHLOROBENZENE	8	1	840.00	840.00	840.00	840.00
1,4-DICHLOROBENZENE	8	1	1200.00	1200.00	1200.00	1200.00
2,4-DIMETHYLPHENOL	8	1	880.00	880.00	880.00	880.00
2-METHYLPHENOL	8	1	2900.00	2900.00	2900.00	2900.00
4-METHYLPHENOL	8	1	8800.00	8800.00	8800.00	8800.00
BIS(2-ETHYLHEXYL)PHTHALATE	8	5	1100000.00	1200.00	1124100.00	224820.00
DI-N-BUTYLPHTHALATE	8	1	120.00	120.00	120.00	120.00
DI-N-OCTYLPHTHALATE	8	1	880.00	880.00	880.00	880.00
DIBENZOFURAN	8	1	100.00	100.00	100.00	100.00
N-NITROSODIPHENYLAMINE	8	3	21000000.00	1500.00	31001500.00	10333833.33
N-NITROSO-DIPROPYLAMINE	8	1	1600.00	1600.00	1600.00	1600.00
NAPHTHALENE	8	1	5700.00	5700.00	5700.00	5700.00
PHENOL	8	1	5300.00	5300.00	5300.00	5300.00

AVERAGE DETECTED CONCENTRATIONS FOR TEST PIT

OLIN - WILMINGTON FACILITY

CHEMICAL	# OF ANALYSES	# OF DETECTS	MAX DET CONC	MIN DET CONC	SUM OF CONC	AVG DET CONC
			mg/kgdrywt	mg/kgdrywt	mg/kgdrywt	mg/kgdrywt
INORG (TEST PIT)						
ALUMINUM	8	8	7700.00	260.00	30780.00	3847.50
AMMONIA	8	8	2100.00	20.00	3667.00	458.38
ARSENIC	8	5	6.20	1.70	20.70	4.14
BARIUM	8	6	90.00	3.60	132.00	22.00
CADMIUM	8	3	4.80	2.60	11.40	3.80
CALCIUM	8	8	160000.00	110.00	203750.00	25468.75
CHLORIDE	8	7	20000.00	220.00	47960.00	6851.43
CHROMIUM	8	8	110.00	6.60	381.60	47.70
COBALT	8	4	5.10	1.60	10.50	2.63
COPPER	8	8	14.00	2.80	53.10	6.64
IRON	8	8	40000.00	210.00	98210.00	12276.25
LEAD	8	1	11.00	11.00	11.00	11.00
MAGNESIUM	8	7	1400.00	6.60	4276.60	610.94
MANGANESE	8	8	190.00	3.40	518.30	64.79
MERCURY	8	4	0.91	0.13	1.52	0.38
NICKEL	8	6	24.00	4.60	71.50	11.92
POTASSIUM	8	8	16000.00	3.50	18851.30	2356.41
SODIUM	8	8	4800.00	23.00	9277.00	1159.63
SULFATE	8	6	29000.00	350.00	63910.00	10651.67
VANADIUM	8	5	13.00	7.00	52.90	10.58
ZINC	8	8	310.00	18.00	728.00	91.00

AVERAGE DETECTED CONCENTRATIONS FOR TEST PIT

OLIN - WILMINGTON FACILITY

CHEMICAL	# OF ANALYSES	# OF DETECTS	MAX DET CONC	MIN DET CONC	SUM OF CONC	AVG DET CONC
			ug/kgdrywt	ug/kgdrywt	ug/kgdrywt	ug/kgdrywt
PEST/PCB (TEST PIT)						
ENDOSULFAN I	8	1	36.00	36.00	36.00	36.00

TAB 9

SUMMARY OF DETECTED ROUND 1&2 SEDIMENT DATA

SUMMARY OF DETECTED ROUND 1 & 2 SEDIMENT DATA - VOC's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	111TCE	2TCLEA	11DCLE	11DCE	12DCLE	12DCE	244TM1P	244TM2P	MEK	MNBK	ACET
SW-01	920831											27 J
SW-01	921130							22	12 J			
SW-02	920831							4				550
SW-02	921130							19	3 J			
SW-03	920831		16					28		91		580
SW-03	921130											
SW-04	920831							9				140
SW-04	921130			3 J				13 J	5 J			
SW-05	920831		4					55	25			360
SW-05	921130						18	110	61			
SW-06	920831			3				110	37			120
SW-06	921201			6 J			7 J	130	41			
SW-06	921201			7 J			8	160	49			
SW-07	920901							270	81			43
SW-07	921201							33	12 J			
SW-08	920901			34 J				4700 J	1500 J	74 J		1700 J
SW-08	921201			3 J				720	150	30	36	
SW-09	920901		3 J	4 J				4200 J	1400 J	74 J		190 J
SW-09	921201							1000	270	16 J	20 J	
SW-10	920901							68 J	20 J			92 J
SW-10	921201							1600 J	130			
SW-11	920901							85	77			30
SW-11	921201							920	410			
SW-12	920902							49	18	42		150
SW-12	921201							280	95			
SW-13	920902		2 J					13000 J	5100 J	12 J		55 J
SW-13	921201							28000	9400			
SW-14	920901							23	2			
SW-14	921201							56	21			
SW-15	920902							920	300			38
SW-15	921202							6500	1800 J			
SW-16	920902							210 J	75 J			93 J
SW-16	921202	6 J				4 J		27	8 J			

SUMMARY OF DETECTED ROUND 1 & 2 SEDIMENT DATA - VOC's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	111TCE	2TCLEA	11DCLE	11DCE	12DCLE	12DCE	244TM1P	244TM2P	MEK	MNBK	ACET
SW-17	920901	3						250	74			9
SW-17	920901							280	92			18
SW-17	921202	13		3 J	3 J			180	31			
SW-17	921202	24		5 J	2 J	4 J		110	19			
SW-18	921202							6 J	3 J			
SW-19	920902							2				74
SW-20	920901							4 J				7 J
SW-20	921201											
SW-21	920901											
SW-21	921201											
SW-22	920901											
SW-23	921202			7 J			120					
SW-24	930107						11 J	38	7 J			
SW-25	930325						29 J	200	1100	280		1400
SW-27	930325											
SW-29	930420			19				5 J	2 J			350
SW-30	930420	14										

concentration: ug/kgdrywt

SUMMARY OF DETECTED ROUND 1 & 2 SEDIMENT DATA – VOC's

OLIN – WILMINGTON FACILITY

LOCATI	DATE	C6H6	BRDCLM	CHBR3	CS2	CCL4	CLC6H5	CCL3	DBRCLM	ETC6H5	C2CL2	STYR
SW-01	920831										7 J	
SW-01	921130											
SW-02	920831										5	
SW-02	921130											
SW-03	920831											
SW-03	921130											
SW-04	920831											
SW-04	921130											
SW-05	920831										8	
SW-05	921130	18					5 J			5 J		
SW-06	920831										4	
SW-06	921201	9					2 J					
SW-06	921201	14					3 J					
SW-07	920901										7	
SW-07	921201											
SW-08	920901											
SW-08	921201				3 J							
SW-09	920901				5 J					23 J		4 J
SW-09	921201				3 J					4 J		
SW-10	920901										7 J	
SW-10	921201											
SW-11	920901										13	
SW-11	921201									10 J		
SW-12	920902											
SW-12	921201									3 J		
SW-13	920902	15 J					7 J			110 J		7 J
SW-13	921201									710 J		
SW-14	920901										4	
SW-14	921201											
SW-15	920902			3		5		3				
SW-15	921202			6 J		11 J		9 J				
SW-16	920902											
SW-16	921202			13				6 J	4 J			

SUMMARY OF DETECTED ROUND 1 & 2 SEDIMENT DATA – VOC's

OLIN – WILMINGTON FACILITY

LOCATI	DATE	C6H6	BRDCLM	CHBR3	CS2	CCL4	CLC6H5	CCL3	DBRCLM	ETC6H5	C2CL2	STYR
SW–17	920901			12					3			
SW–17	920901			12					3		10	
SW–17	921202		4 J	140				5 J	35			
SW–17	921202		9	64				4 J	17			
SW–18	921202											
SW–19	920902											
SW–20	920901										8 J	
SW–20	921201											
SW–21	920901										24 J	
SW–21	921201											
SW–22	920901										8	
SW–23	921202	3 J					14					
SW–24	930107						4 J					5 J
SW–25	930325											
SW–27	930325											
SW–29	930420											
SW–30	930420											

concen ra ion: ug/kgdryw

SUMMARY OF DETECTED ROUND 1 & 2 SEDIMENT DATA – VOC's

OLIN – WILMINGTON FACILITY

LOCATI	DATE	TCLEE	MEC6H5	TRCLE	C2H3CL	TXYLEN
SW–01	920831					
SW–01	921130					
SW–02	920831					
SW–02	921130		2 J	2 J		
SW–03	920831					
SW–03	921130		6 J			
SW–04	920831					
SW–04	921130			5 J		
SW–05	920831			4		
SW–05	921130		3 J	50	3 J	4 J
SW–06	920831			5		
SW–06	921201			10	2 J	
SW–06	921201		3 J	7 J		
SW–07	920901					
SW–07	921201					
SW–08	920901					
SW–08	921201					
SW–09	920901	7 J	27 J			250 J
SW–09	921201					2 J
SW–10	920901					
SW–10	921201					
SW–11	920901					3
SW–11	921201		5 J			13 J
SW–12	920902					
SW–12	921201		2 J			
SW–13	920902		1100 J			
SW–13	921201					
SW–14	920901					
SW–14	921201		2 J			
SW–15	920902					
SW–15	921202					
SW–16	920902					6 J
SW–16	921202		10 J	3 J		

SUMMARY OF DETECTED ROUND 1 & 2 SEDIMENT DATA – VOC's

OLIN – WILMINGTON FACILITY

LOCATI	DATE	TCLEE	MEC6H5	TRCLE	C2H3CL	TXYLEN
SW-17	920901					
SW-17	920901					
SW-17	921202	4 J	12	2 J		
SW-17	921202	2 J	6 J	2 J		
SW-18	921202					
SW-19	920902					
SW-20	920901					
SW-20	921201		2 J			
SW-21	920901		6 J			4 J
SW-21	921201		2 J			
SW-22	920901					
SW-23	921202	10	12	150	12 J	3 J
SW-24	930107	7 J	9 J	20		
SW-25	930325			24 J		
SW-27	930325			29		
SW-29	930420			7 J		
SW-30	930420			18		

concen ra ion: ug/kgdryw

SUMMARY OF DETECTED ROUND 1 & 2 SEDIMENT DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	124[illegible]B	12DCLB	2MNAP	4BRPPE	4CLPPE	4MP	ANAPNE	ANTRC	BAANTR	BAPYR	BBFANT
SW-01	920831			67				81	210	530	490	830
SW-01	921130									220 J	220 J	350 J
SW-02	920831					74			55	97	78	130
SW-02	921130				230 J	220 J		250 J	300 J	460	220 J	430 J
SW-03	920831								280	1600	1800	4200
SW-03	921130								330 J	1700 J	2000	4400
SW-04	920831								33	55	59	130
SW-04	921130								82 J	420 J	440 J	730
SW-05	920831								170	92		75
SW-05	921130											140 J
SW-06	920831										94	
SW-06	921201											
SW-06	921201											
SW-07	920901	77										
SW-07	921201											64 J
SW-08	920901	1200			3000	2000						
SW-08	921201				490 J	230 J						
SW-09	920901	500 J			2900 J	1200 J						
SW-09	921201	230 J										
SW-10	920901											
SW-10	921201											
SW-11	920901											
SW-11	921201	83 J			470 J							
SW-12	920902											110
SW-12	921201						89 J					
SW-13	920902						720 J			2100 J		870 J
SW-13	921201	1400 J	1600 J	1400 J								
SW-14	920901											
SW-14	921201											
SW-15	920902	76			650					410	540	1200
SW-15	921202	210 J			330 J					490 J	600 J	1000 J
SW-16	920902				150					160	250	640
SW-16	921202											

SUMMARY OF DETECTED ROUND 1 & 2 SEDIMENT DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	124TCB	12DCLB	2MNAP	4BRPPE	4CLPPE	4MP	ANAPNE	ANTRC	BAANTR	BAPYR	BBFANT
SW-17	920901											
SW-17	920901				600	58						52
SW-17	921202				640							
SW-17	921202					100 J				110 J	140 J	230 J
SW-18	920902											
SW-19	920902											
SW-20	921201											
SW-21	920901									95	100	180
SW-21	921201											69 J
SW-22	920901											
SW-22	921201											
SW-23	921202											
SW-24	930107									370 J	470 J	620 J
SW-25	930325									960 J	570 J	1200 J
SW-26	930325								80 J	210 J	240 J	420 J
SW-27	930325								130 J	570 J	650 J	950 J
SW-29	930420								520 J	1200	1500	2500
SW-30	930420									320 J	310 J	470

concentration: ug/kgdrywt

SUMMARY OF DETECTED ROUND 1 & 2 SEDIMENT DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	BGHIPY	BKFANT	BENZOA	BZALC	B2EHP	BBZP	CHRY	DNBP	DNOP	DBAHA	DBZFUR
SW-01	920831	330	310	85				750			120	98
SW-01	921130	170 J	160 J			230 J		360 J				
SW-02	920831	56	53			43000		140		170		
SW-02	921130	140 J	170 J	530 J		60000		590		240 J		220 J
SW-03	920831	2000	1200			440000		3000	230	1400	430	
SW-03	921130	2100	1400 J	2500 J		67000		3400			410 J	
SW-04	920831	59				7100		93		54		
SW-04	921130	280 J	290 J	450 J		110000		620 J				
SW-05	920831					310000	66	140	75	190		
SW-05	921130					210000	380 J		180 J	230 J		
SW-06	920831					210000	130		220	270		
SW-06	921201					1200000			430 J			
SW-06	921201					1800000	570		310 J	850		
SW-07	920901			54		8300000	1900		1300	2500		
SW-07	921201					1100000	870		250 J			
SW-08	920901					1E+07	750		60000	6800		
SW-08	921201					1200000	330 J			91 J		
SW-09	920901			590		6E+07 J	17000 J	1300 J	2700 J	24000 J		
SW-09	921201					1E+07	4200			470 J		
SW-10	920901					3500000	970		490	190		
SW-10	921201					700000	600		88 J	620		
SW-11	920901											
SW-11	921201					1600000	3500	100 J	240 J	3000		
SW-12	920902			220		1800000	2300		1400	2100		
SW-12	921201					1300000	500		140 J	830		
SW-13	920902			2000 J		6E+07 J	49000 J		1400000 J	590 J		1600 J
SW-13	921201					2E+08	160000 J		2100000	2000 J		5900 J
SW-14	920901					4500						
SW-14	921201					1700						
SW-15	920902	420				1300		720			120	
SW-15	921202	450 J	290 J			840 J		730 J				
SW-16	920902	280				1700		350				
SW-16	921202											

SUMMARY OF DETECTED ROUND 1 & 2 SEDIMENT DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	BGHIPY	BKFANT	BENZOA	BZALC	B2EHP	BBZP	CHRY	DNBP	DNOP	DBAHA	DBZFUR
SW-17	920901			170		5300						
SW-17	920901					110						
SW-17	921202					540 J						
SW-17	921202		77 J			770		200 J				
SW-18	920902					2700			86			
SW-19	920902					4600			130			
SW-20	921201					83 J						
SW-21	920901	83				5900		140				
SW-21	921201					88 J						
SW-22	920901					3200						
SW-22	921201					82 J						
SW-23	921202					62000		320 J	500 J			
SW-24	930107	250 J	160 J			690000	490 J	630 J		610 J		
SW-25	930325		320 J			9300000		1200 J		10000		
SW-26	930325	200 J	150 J			73000		300 J				
SW-27	930325	580 J	290 J	3400 J	270 J	80000	400 J	850 J	210 J			
SW-29	930420	1200	770			460 J		2200			110 J	
SW-30	930420	230 J	150 J					390 J				

concentration: ug/kgdrywt

SUMMARY OF DETECTED ROUND 1 & 2 SEDIMENT DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	DEP	DMP	FANT	FLRENE	ICDPYR	NNDPA	NAP	NB	PHANTR	PHENOL	PYR
SW-01	920831			1600	200	420	60	73		930		1100
SW-01	921130			490 J		200 J	93 J			260 J		510 J
SW-02	920831			220		76	170	53		62		200
SW-02	921130			2200	300 J	170 J	150 J			1800		1400
SW-03	920831			4100		2700	820			1600		2700
SW-03	921130			4500		2200				1800		3500
SW-04	920831			160		69	120			60		90
SW-04	921130			1000		320 J				250 J		680
SW-05	920831			360	120		550			560	69	250
SW-05	921130						1500					
SW-06	920831			77		480	870					77
SW-06	921201						4300					
SW-06	921201						3400				76 J	360 J
SW-07	920901					2100	20000				83	130
SW-07	921201			65 J			4500			54 J	75 J	
SW-08	920901		530	640		2900	30000			1800		810
SW-08	921201			130 J			900			160 J		260 J
SW-09	920901			610 J		13000 J	720000 J			4200 J	580	930 J
SW-09	921201			240 J			11000			620 J	290 J	650 J
SW-10	920901						52000					
SW-10	921201			93 J			6700			99 J		76 J
SW-11	920901						240					
SW-11	921201			140 J	92 J		22000 J			380 J	140 J	160 J
SW-12	920902		180				20000			140	2300	110
SW-12	921201		120 J				7200			75 J	1000	
SW-13	920902	790 J					6200000 J			14000 J		
SW-13	921201			4100 J	4000 J		4800000	2200 J		34000		9100 J
SW-14	920901											
SW-14	921201	120 J										
SW-15	920902			1400		560	910			510		880
SW-15	921202			1500		550 J	720 J			570 J		1100 J
SW-16	920902			580		300				190		410
SW-16	921202			1700								600 J

SUMMARY OF DETECTED ROUND 1 & 2 SEDIMENT DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	DEP	DMP	FANT	FLRENE	ICDPYR	NNDPA	NAP	NB	PHANTR	PHENOL	PYR
SW-17	920901			83			180					
SW-17	920901											54
SW-17	921202					140 J				130 J		280 J
SW-17	921202			370 J								
SW-18	920902						240					
SW-19	920902						450					
SW-20	921201											
SW-21	920901			210		91				130		180
SW-21	921201			79 J								70 J
SW-22	920901											
SW-22	921201											72 J
SW-23	921202			460 J			2100				94 J	280 J
SW-24	930107			890 J		230 J	800 J			300 J		580 J
SW-25	930325			2300 J	400 J	510 J	1800 J				320 J	1600 J
SW-26	930325			520 J		240 J	290 J		67 J	180 J	120 J	350 J
SW-27	930325			1200 J		490 J	290 J			440 J	360 J	890 J
SW-29	930420			3800	200 J	1300				1900		3400
SW-30	930420			510		240 J		51 J		190 J		690

concentration: ug/kgdrywt

SUMMARY OF DETECTED ROUND 1 & 2 SEDIMENT DATA - PESTICIDE's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	44DDT	44DDT	ACLDAN	ALDRN	ABHC	BBHC	DBHC	DLDRN	AENSLF	ESFSO4	ENDRN
SW-03	920831											
SW-03	921130											
SW-04	920831	4.4										
SW-04	921130	7										8.2
SW-05	920831	26										
SW-05	921130										88	
SW-06	920831									28		
SW-06	921201											
SW-06	921201										170	
SW-07	920901	50									180	
SW-07	921201		69								120	
SW-09	921201											
SW-10	920901											
SW-10	921201										47	
SW-11	921201										98	
SW-12	921201											
SW-13	920902											
SW-13	921201		1200		450		460			410		
SW-14	920901									3.2		
SW-15	920902							53			74	
SW-15	921202	190					210	120		150	240	
SW-16	921202						5	5.4				
SW-17	921202					5.2 J		3.5		3.2		
SW-17	921202						3.1	7.4				
SW-19	921203		18							8.1		
SW-20	920901								6.7			
SW-21	920901								7.2			
SW-23	921202											
SW-24	930107			550 J				58				
SW-25	930325			1600								610
SW-26	930325			45								
SW-27	930325			61 J								
SW-29	930420											

SUMMARY OF DETECTED ROUND 1 & 2 SEDIMENT DATA - PESTICIDE's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	44DDT	44DDT	ACLDAN	ALDRN	ABHC	BBHC	DBHC	DLDRN	AENSLF	ESFSO4	ENDRN
SW-30	930420											

concentration: ug/kgdrywt

SUMMARY OF DETECTED ROUND 1 & 2 SEDIMENT DATA - PESTICIDE's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	ENDRNA	ENDRNK	HPCL	HPCLE	GCLDAN	MEOXCL
SW-03	920831	6500					
SW-03	921130	230					
SW-04	920831	20					
SW-04	921130		11				
SW-05	920831	28					
SW-05	921130						
SW-06	920831						
SW-06	921201	140					
SW-06	921201						
SW-07	920901						
SW-07	921201	74	65				290
SW-09	921201	91					
SW-10	920901	71					
SW-10	921201						
SW-11	921201						
SW-12	921201	55					
SW-13	920902	620					
SW-13	921201	2500		540			
SW-14	920901				4.6		
SW-15	920902				33		
SW-15	921202				160		
SW-16	921202						
SW-17	921202						
SW-17	921202	12 J					
SW-19	921203				6		
SW-20	920901						
SW-21	920901						
SW-23	921202		400				
SW-24	930107					600 J	
SW-25	930325					1600	
SW-26	930325					47	
SW-27	930325					55 J	
SW-29	930420					30	

SUMMARY OF DETECTED ROUND 1 & 2 SEDIMENT DATA - PESTICIDE's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	ENDRNA	ENDRNK	HPCL	HPCLE	GCLDAN	MEOXCL
SW-30	930420					2.5	

concentration: ug/kgdrywt

SUMMARY OF DETECTED ROUND 1 & 2 SEDIMENT DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	AL, TOT	SB, TOT	AS, TOT	BA, TOT	BE, TOT	CD, TOT	CA, TOT	CL, TOT	CRHEXT	CR, TOT	CO, TOT
SW-01	920831	4300		14.0	15.0			890			12.0	2.3
SW-01	921130	5900		9.2	20.0		1500.0				12.0	3.4
SW-02	920831	3200		10.0	21.0			670			7.8	4.4
SW-02	921130	3600		14.0	18.0		920.0				11.0	2.9
SW-03	920831	19000		190.0	29.0		4.0	2100	98		140.0	18.0
SW-03	921130	12000		190.0	45.0	5.0	3000.0				320.0	27.0
SW-04	920831	4000		5.5	9.8			650			41.0	3.4
SW-04	921130	6700		32.0	15.0	1.1	1000.0		71		39.0	5.0
SW-05	920831	4700		5.1	11.0			720			450.0	3.0
SW-05	921130	5100	33.0	9.1	20.0		1300.0				920.0	4.3
SW-06	920831	5100		6.6	9.2			890	53		780.0	4.1
SW-06	921201											
SW-06	921201	9300	88.0	5.3	9.7		1000.0		64	87.0 J	3200.0	4.4
SW-06	921201	7300	50.0 J	6.3	12.0		1300.0		130	140.0 J	2100.0	5.3
SW-06	921201											
SW-07	920901	3900		3.7	5.5			600	71		750.0	4.3
SW-07	921201	3400	25.0	2.2	11.0		690.0		44		820.0	2.9
SW-08	920901	13000	69.0	3.2	27.0			1900	240		2900.0	19.0
SW-08	921201	11000	56.0	2.9	14.0		2000.0		110	21.0 J	2100.0	19.0
SW-08	921201											
SW-09	920901	6600	51.0	2.6	16.0			880	100		2300.0	5.7
SW-09	921201	6800	52.0	3.7	6.0		640.0		83		1900.0	8.2
SW-10	920901	4700		4.2	6.9			630	72		1100.0	5.4
SW-10	921201	4300	32.0	4.3	8.8		760.0		64		1300.0	3.1
SW-11	920901	2300		1.5	4.6			290	63		96.0	
SW-11	921201	5200	52.0	7.5	11.0		720.0		220		2000.0	4.6
SW-12	920902	5600		2.4	30.0			620	120		79.0	
SW-12	921201	6800		5.1	40.0		1100.0		83		54.0	3.6
SW-13	920902	2600 J		1.1	14.0			520	130		530.0	
SW-13	921201											
SW-13	921201	3300		2.8	9.9		750.0		110	300.0 J	580.0	1.5
SW-14	920901	5100		1.9	29.0			760	46		720.0	4.7
SW-14	921201	3300	34.0	2.8	11.0		290.0		54		1000.0	2.3

SUMMARY OF DETECTED ROUND 1 & 2 SEDIMENT DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	AL, TOT	SB, TOT	AS, TOT	BA, TOT	BE, TOT	CD, TOT	CA, TOT	CL, TOT	CRHEXT	CR, TOT	CO, TOT
SW-15	920902	2[illegible]0		11.0	15.0			910	230		230.0	3.7
SW-15	921202	1500[illegible]	99.0		19.0		1200.0		870		2300.0	4.2
SW-16	920902	22000	120.0	11.0	24.0	1.9		700	93		5100.0	5.4
SW-16	921202											
SW-16	921202	12000	250.0	8.7	15.0	2.1	770.0		1400	3.5 J	8900.0	6.6
SW-17	920901	4900		2.5	5.9			430	93	30.0 J	520.0	2.9
SW-17	920901	5100		2.2	6.0			380	110	53.0 J	440.0	2.7
SW-17	921202	14000	100.0	3.9	8.7		410.0		370	110.0 J	4000.0	3.7
SW-17	921202	14000	110.0 J	3.7	10.0 J		420.0		280	93.0 J	3600.0	3.8
SW-17	921202											
SW-17	921202											
SW-18	920902	3100		1.9	3.6			360			150.0	
SW-18	921202	3800		1.7	4.6		500.0		60		140.0	1.5
SW-19	920902	570			5.9			160			12.0	
SW-19	921203	4800		4.2	43.0		1100.0		46		61.0	
SW-20	920901	2800		12.0	6.2			340			7.3	
SW-20	921201	2400		5.1	5.9		250.0				6.5	
SW-21	920901	6900		3.8	15.0			920			20.0	
SW-21	921201	5800		3.5	13.0		760.0				13.0	
SW-22	920901	3700		1.6	6.7			400			5.4	2.6
SW-22	921201	10000		4.4	18.0		930.0				18.0	7.2
SW-23	921202	10000	43.0	34.0	13.0	1.2	1600.0		49	33.0 J	1500.0	4.6
SW-23	921202											
SW-24	930107	17000	1.2	55	34		1.7	2200	83		1600	23 J
SW-25	930325	60000		430	250		14	9900	160		3000	39
SW-26	930325	6800		320	160		2.2	1800	110		460	3.5
SW-27	930325	21000		440	250		7.5	6900	240		1900 J	26
SW-29	930420	7400		55	44		1.8	2300	50		26	9.3
SW-30	930420	3500		10	16			930			8.6	6.4

concentration: mg/kgdrywt

SUMMARY OF DETECTED ROUND 1 & 2 SEDIMENT DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	CU, TOT	FE, TOT	PB, TOT	MG, TOT	MN, TOT	HG, TOT	NI, TOT	NO3	NO2	AMMONIA AS N	K, TOT
SW-01	920831	14.0	12000	21	1600	75		5.40			12	410
SW-01	921130	18.0	7900	17	1600	150		6.50			19	890
SW-02	920831	22.0	7900		980	86		5.60			12	360
SW-02	921130	20.0	9000		1100	84		5.30				720
SW-03	920831	190.0	130000		1900	350	0.34	18.00			50	400
SW-03	921130	160.0	140000	60	2100	1500	0.39	18.00			130	1200
SW-04	920831	6.2	4800		1000	48		5.10				320
SW-04	921130	19.0	22000		1400	150		8.40			110	930
SW-05	920831	12.0	4900	13	800	55		6.10			33	330
SW-05	921130	12.0	6800	14	1100	86	0.17 J	6.50			56	530
SW-06	920831	19.0	26000	170	720	98	0.12	8.20			85	280
SW-06	921201											
SW-06	921201	20.0	6800	19	560	82	0.13	10.00	1.40 J		160	400
SW-06	921201	38.0	9500	12	660	69		22.00	1.50 J		160	340
SW-06	921201											
SW-07	920901	6.9	4600		530	52		8.00			77	150
SW-07	921201	4.9	3400		760	45	0.15	6.20			87	330
SW-08	920901	19.0	13000	17	590	63	0.65 J	25.00			300	250
SW-08	921201	14.0	10000		1100	61	0.17	20.00	2.80 J		180	490
SW-08	921201											
SW-09	920901	14.0	5600		320	44	1.20 J	12.00			140	140
SW-09	921201	15.0	5000	14	580	35	0.21	14.00			120	280
SW-10	920901	8.0	6600		250	39	0.21 J	6.70			23	130
SW-10	921201	6.2	6500 J		590	52		4.30			120	310
SW-11	920901		1200		160	14					110	150
SW-11	921201	9.9	7000		540	33	0.11	4.70			410	260
SW-12	920902	24.0	9500	55	1300	44	0.14 J	7.60			24	480
SW-12	921201	13.0	8900	12	2300	53		13.00			27	960
SW-13	920902	9.1	3600		720	26	0.79 J				100	330
SW-13	921201											
SW-13	921201	6.2	4700		1000	48	0.18		3.70 J	2.20 J	98	470
SW-14	920901	11.0	6000		2100	53		18.00			180	200
SW-14	921201	3.4	3800		450	26					93	340

SUMMARY OF DETECTED ROUND 1 & 2 SEDIMENT DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	CU, TOT	FE, TOT	PB, TOT	MG, TOT	MN, TOT	HG, TOT	NI, TOT	NO3	NO2	AMMONIA AS N	K, TOT
SW-15	920902	25.0	11000	10	1900	97	0.21 J	5.30			80	980
SW-15	921202	120.0	10000	100	1400	55	0.96	14.00			140	760
SW-16	920902	17.0	38000	24	1700	65		9.30				1200
SW-16	921202											
SW-16	921202	46.0	83000	21	1800	86		9.50	2.60 J		1000	840
SW-17	920901		3600		940	25					120	210
SW-17	920901		4200		730	32		5.00			120	260
SW-17	921202	32.0	6400		1000	37		5.70	3.40 J		300 J	300
SW-17	921202	45.0 J	6100		1100	36		7.80	2.90 J		290	450
SW-17	921202											
SW-17	921202											
SW-18	920902	5.3	3200		890	27						330
SW-18	921202	4.1	3300		970	37					75	420
SW-19	920902		330		83	3.7					23	170
SW-19	921203	9.4	2100	27	300	9.8					85	340
SW-20	920901	4.0	1900		240	13					23	140
SW-20	921201	3.6	1800		340	16					18	240
SW-21	920901	7.0	2900	40	700	35						320
SW-21	921201	5.3	3000	15	710	42					35	530
SW-22	920901		2400		350	28					89	190
SW-22	921201	6.1	7100	31	49	95		6.90			22	450
SW-23	921202	47.0	20000	32	790	190	0.26	15.00			50	290
SW-23	921202											
SW-24	930107	59	27000	33	1200	780 J		30			190	450
SW-25	930325	260	130000	790	2400	620	1.3	54			410 J	1600
SW-26	930325	110	44000	270	840	140	1.1 J	4			130 J	460
SW-27	930325	280	110000	540 J	2100 J	1900	1.2	41			370 J	1200
SW-29	930420	66	25000	27	3500	260		13 J			51	1700
SW-30	930420	18	8400	18	980	180		6.4			21 J	580

concentration: mg/kgdrywt

SUMMARY OF DETECTED ROUND 1 & 2 SEDIMENT DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	SE, TOT	AG, TOT	NA, TOT	TRS	SO4, TOT	V, TOT	ZN, TOT
					WT %			
SW-01	920831			100	77	3100 J	8.7	77.0
SW-01	921130			150	59	110	13.0	26.0
SW-02	920831			36	80	740 J	7.8	29.0
SW-02	921130			59	73	140	10.0	29.0
SW-03	920831			250	20	3900 J	66.0	160.0
SW-03	921130			210	19	640	73.0	170.0
SW-04	920831			63	78	190 J	7.5	22.0
SW-04	921130			170	50	640	20.0	37.0
SW-05	920831			58	69	380 J	7.8	47.0
SW-05	921130			110	61	640	11.0	19.0
SW-06	920831			110	72	390 J	9.0	150.0
SW-06	921201				62			
SW-06	921201			220	48	340	11.0	38.0
SW-06	921201			180	61	500	9.0	26.0
SW-06	921201				49			
SW-07	920901			100	72	540 J	5.1	23.0
SW-07	921201			120	69	220	4.7	17.0
SW-08	920901			500	52	3200 J	11.0	78.0
SW-08	921201		2.7	230	55	1100	10.0	76.0
SW-08	921201				56			
SW-09	920901			230	60	1800 J	13.0	37.0
SW-09	921201			150	57	770	9.9	39.0
SW-10	920901			140	66	720 J	6.1	25.0
SW-10	921201			150	73	490	8.7	21.0
SW-11	920901			130	75	280 J		4.0
SW-11	921201			290	66	1100	13.0	30.0
SW-12	920902			290	73	380 J	24.0	110.0
SW-12	921201			240	65	96	32.0	61.0
SW-13	920902			300	71	680 J	8.9	32.0
SW-13	921201				59			
SW-13	921201			310	71	140	9.2	25.0
SW-14	920901			150	72	240 J	11.0	15.0
SW-14	921201			95	70	230	11.0	12.0

SUMMARY OF DETECTED ROUND 1 & 2 SEDIMENT DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	SE, TOT	AG, TOT	NA, TOT	TRS	SO4, TOT	V, TOT	ZN, TOT
					WT %			
SW-15	920902			310	68	490 J	15.0	17.0
SW-15	921202			1600	22	1300	27.0	60.0
SW-16	920902			140	45	370 J	23.0	27.0
SW-16	921202				39			
SW-16	921202			1500	33	6000	31.0	25.0
SW-17	920901			130	73	800 J	4.4	9.7
SW-17	920901			120	73	650 J	5.1	8.8
SW-17	921202			400	60	1800	7.5	15.0
SW-17	921202			400	63	1300	8.0	13.0
SW-17	921202				71			
SW-17	921202				76			
SW-18	920902			32	79	100 J	4.1	8.1
SW-18	921202			97	77	100	5.3	9.5
SW-19	920902			35	78	130 J		
SW-19	921203			100	42	250	13.0	7.3
SW-20	920901			43	65	190 J	7.5	4.8
SW-20	921201			40	64		6.3	3.9
SW-21	920901	0.78		77	46	210 J	9.6	9.2
SW-21	921201		5.8	93	55	80	9.0	7.2
SW-22	920901			28	75	210 J	3.6	6.2
SW-22	921201			43	52	190	10.0	19.0
SW-23	921202			94	50	260	19.0	150.0
SW-23	921202				51			
SW-24	930107			140	32	1900	24	210
SW-25	930325			360	13	18000	93	1100
SW-26	930325			220	57	3600	14	370
SW-27	930325			560	19	4300	34	1100
SW-29	930420			160	49	1200	24	120
SW-30	930420			76	76		10	23

concentration: mg/kgdrywt

TAB 10

AVERAGE DETECTED CONCENTRATIONS FOR ROUND 1&2 SEDIMENT DATA

AVERAGE DETECTED CONCENTRATIONS FOR SEDIMENT DATA

OLIN - WILMINGTON FACILITY

CHEMICAL	# ANALYSIS	# DETECTED	AVG DET CONC	MAX DET CONC	MIN DET CONC	UNITS
VOCs (SEDIMENTS)						
1,1,1-TRICHLOROETHANE	54	5	12.00	24.00	3.00	UG/KGDRYWT
1,1,2,2-TETRACHLOROETHANE	54	4	6.25	16.00	2.00	UG/KGDRYWT
1,1-DICHLOROETHANE	54	11	8.55	34.00	3.00	UG/KGDRYWT
1,1-DICHLOROETHENE	54	2	2.50	3.00	2.00	UG/KGDRYWT
1,2-DICHLOROETHANE	54	2	4.00	4.00	4.00	UG/KGDRYWT
1,2-DICHLOROETHENE, TOTAL	54	6	32.17	120.00	7.00	UG/KGDRYWT
2,4,4-TRIMETHYL-1-PENTENE	54	41	1570.63	28000.00	2.00	UG/KGDRYWT
2,4,4-TRIMETHYL-2-PENTENE	54	36	623.06	9400.00	2.00	UG/KGDRYWT
2-BUTANONE	54	8	77.38	280.00	12.00	UG/KGDRYWT
2-HEXANONE	54	2	28.00	36.00	20.00	UG/KGDRYWT
ACETONE	54	21	286.95	1700.00	7.00	UG/KGDRYWT
BENZENE	54	5	11.80	18.00	3.00	UG/KGDRYWT
BROMODICHLOROMETHANE	54	2	6.50	9.00	4.00	UG/KGDRYWT
BROMOFORM	54	7	35.71	140.00	3.00	UG/KGDRYWT
CARBON DISULFIDE	54	3	3.67	5.00	3.00	UG/KGDRYWT
CARBON TETRACHLORIDE	54	2	8.00	11.00	5.00	UG/KGDRYWT
CHLOROBENZENE	54	6	5.83	14.00	2.00	UG/KGDRYWT
CHLOROFORM	54	5	5.40	9.00	3.00	UG/KGDRYWT
DIBROMOCHLOROMETHANE	54	5	12.40	35.00	3.00	UG/KGDRYWT
ETHYLBENZENE	54	7	123.57	710.00	3.00	UG/KGDRYWT
METHYLENE CHLORIDE	54	12	8.75	24.00	4.00	UG/KGDRYWT
STYRENE	54	3	5.33	7.00	4.00	UG/KGDRYWT
TETRACHLOROETHENE	54	5	6.00	10.00	2.00	UG/KGDRYWT
TOLUENE	54	17	71.12	1100.00	2.00	UG/KGDRYWT
TRICHLOROETHENE	54	16	21.13	150.00	2.00	UG/KGDRYWT
VINYL CHLORIDE	54	3	5.67	12.00	2.00	UG/KGDRYWT
XYLENES, TOTAL	54	8	35.63	250.00	2.00	UG/KGDRYWT

AVERAGE DETECTED CONCENTRATIONS FOR SEDIMENT DATA

OLIN - WILMINGTON FACILITY

CHEMICAL	# ANALYSIS	# DETECTED	AVG DET CONC	MAX DET CONC	MIN DET CONC	UNITS
BNAs (SEDIMENT)						
1,2,4-TRICHLOROBENZENE	54	8	472.00	1400.00	76.00	UG/KGDRYWT
1,2-DICHLOROBENZENE	54	1	1600.00	1600.00	1600.00	UG/KGDRYWT
2-METHYLNAPHTHALENE	54	2	733.50	1400.00	67.00	UG/KGDRYWT
4-BROMOPHENYL PHENYL ETHER	54	10	946.00	3000.00	150.00	UG/KGDRYWT
4-CHLOROPHENYL PHENYL ETHER	54	7	554.57	2000.00	58.00	UG/KGDRYWT
4-METHYLPHENOL	54	2	404.50	720.00	89.00	UG/KGDRYWT
ACENAPHTHENE	54	2	165.50	250.00	81.00	UG/KGDRYWT
ANTHRACENE	54	11	199.09	520.00	33.00	UG/KGDRYWT
BENZO(A)ANTHRACENE	54	21	579.48	2100.00	55.00	UG/KGDRYWT
BENZO(A)PYRENE	54	20	538.55	2000.00	59.00	UG/KGDRYWT
BENZO(B)FLUORANTHENE	54	26	845.77	4400.00	52.00	UG/KGDRYWT
BENZO(G,H,I)PERYLENE	54	17	519.29	2100.00	56.00	UG/KGDRYWT
BENZO(K)FLUORANTHENE	54	15	386.00	1400.00	53.00	UG/KGDRYWT
BENZOIC ACID	54	10	999.90	3400.00	54.00	UG/KGDRYWT
BENZYL ALCOHOL	54	1	270.00	270.00	270.00	UG/KGDRYWT
BIS(2-ETHYLHEXYL)PHTHALATE	54	47	6982897.94	150000000.00	82.00	UG/KGDRYWT
BUTYL BENZYLPHTHALATE	54	19	12839.79	160000.00	66.00	UG/KGDRYWT
CHRYSENE	54	23	805.35	3400.00	93.00	UG/KGDRYWT
DI-N-BUTYLPHTHALATE	54	21	169951.38	2100000.00	75.00	UG/KGDRYWT
DI-N-OCTYLPHTHALATE	54	22	2600.23	24000.00	54.00	UG/KGDRYWT
DIBENZO(A,H)ANTHRACENE	54	4	270.00	430.00	120.00	UG/KGDRYWT
DIBENZOFURAN	54	5	1585.60	5900.00	98.00	UG/KGDRYWT
DIETHYLPHTHALATE	54	2	455.00	790.00	120.00	UG/KGDRYWT
DIMETHYLPHTHALATE	54	3	276.67	530.00	120.00	UG/KGDRYWT
FLUORANTHENE	54	33	1100.82	4500.00	65.00	UG/KGDRYWT
FLUORENE	54	7	758.86	4000.00	92.00	UG/KGDRYWT
INDENO(1,2,3-CD)PYRENE	54	23	1273.30	13000.00	69.00	UG/KGDRYWT
N-NITROSODIPHENYLAMINE	54	35	340410.09	6200000.00	60.00	UG/KGDRYWT
NAPHTHALENE	54	4	594.25	2200.00	51.00	UG/KGDRYWT
NITROBENZENE	54	1	67.00	67.00	67.00	UG/KGDRYWT
PHENANTHRENE	54	30	2246.33	34000.00	54.00	UG/KGDRYWT
PHENOL	54	13	423.62	2300.00	69.00	UG/KGDRYWT
PYRENE	54	36	959.14	9100.00	54.00	UG/KGDRYWT

AVERAGE DETECTED CONCENTRATIONS FOR SEDIMENT DATA

OLIN - WILMINGTON FACILITY

CHEMICAL	# ANALYSIS	# DETECTED	AVG DET CONC	MAX DET CONC	MIN DET CONC	UNITS
PESTICIDES (SEDIMENT)						
4,4'-DDD	54	2	98.50	190.00	7.00	UG/KGDRYWT
4,4'-DDT	54	6	227.90	1200.00	4.40	UG/KGDRYWT
ALDRIN	54	1	450.00	450.00	450.00	UG/KGDRYWT
ALPHA-BHC	54	1	5.20	5.20	5.20	UG/KGDRYWT
ALPHA-CHLORDANE	54	4	564.00	1600.00	45.00	UG/KGDRYWT
BETA-BHC	54	4	169.53	460.00	3.10	UG/KGDRYWT
DELTA-BHC	54	6	41.22	120.00	3.50	UG/KGDRYWT
DIELDRIN	54	2	6.95	7.20	6.70	UG/KGDRYWT
ENDOSULFAN I	54	6	100.42	410.00	3.20	UG/KGDRYWT
ENDOSULFAN SULFATE	54	8	127.13	240.00	47.00	UG/KGDRYWT
ENDRIN	54	2	309.10	610.00	8.20	UG/KGDRYWT
ENDRIN ALDEHYDE	54	12	861.75	6500.00	12.00	UG/KGDRYWT
ENDRIN KETONE	54	3	158.67	400.00	11.00	UG/KGDRYWT
GAMMA-CHLORDANE	54	6	389.08	1600.00	2.50	UG/KGDRYWT
HEPTACHLOR	54	1	540.00	540.00	540.00	UG/KGDRYWT
HEPTACHLOR EPOXIDE	54	4	50.90	160.00	4.60	UG/KGDRYWT
METHOXYCHLOR	54	1	290.00	290.00	290.00	UG/KGDRYWT

AVERAGE DETECTED CONCENTRATIONS FOR SEDIMENT DATA

OLIN - WILMINGTON FACILITY

CHEMICAL	# ANALYSIS	# DETECTED	AVG DET CONC	MAX DET CONC	MIN DET CONC	UNITS
INORGANICS (SEDIMENTS)						
ALUMINUM, TOTAL	54	54	11030.93	150000.00	570.00	MG/KGDRYWT
ANTIMONY, TOTAL	54	18	70.29	250.00	1.20	MG/KGDRYWT
ARSENIC, TOTAL	54	52	37.97	440.00	1.10	MG/KGDRYWT
BARIUM, TOTAL	54	54	27.26	250.00	3.60	MG/KGDRYWT
BERYLLIUM, TOTAL	54	1	1.90	1.90	1.90	MG/KGDRYWT
CADMIUM, TOTAL	54	10	4.06	14.00	1.10	MG/KGDRYWT
CALCIUM, TOTAL	54	54	1215.93	9900.00	160.00	MG/KGDRYWT
CHLORIDE, TOTAL	54	37	169.46	1400.00	44.00	MG/KGDRYWT
CHROMIUM, HEXAVALENT, TOTAL	10	10	87.05	300.00	3.50	MG/KGWETWT
CHROMIUM, TOTAL	54	54	1116.29	8900.00	5.40	MG/KGDRYWT
COBALT, TOTAL	54	44	7.45	39.00	1.50	MG/KGDRYWT
COPPER, TOTAL	54	49	38.67	280.00	3.40	MG/KGDRYWT
IRON, TOTAL	54	54	19291.30	140000.00	330.00	MG/KGDRYWT
LEAD, TOTAL	54	27	88.96	790.00	10.00	MG/KGDRYWT
MAGNESIUM, TOTAL	54	54	1033.74	3500.00	49.00	MG/KGDRYWT
MANGANESE, TOTAL	54	54	154.27	1900.00	3.70	MG/KGDRYWT
MERCURY, TOTAL	54	21	0.48	1.30	0.11	MG/KGDRYWT
NICKEL, TOTAL	54	40	12.29	54.00	4.00	MG/KGDRYWT
NITRATE AS N	8	7	2.61	3.70	1.40	MG/KGDRYWT
NITRITE AS N	8	1	2.20	2.20	2.20	MG/KGDRYWT
NITROGEN-AMMONIA AS N	54	49	133.84	1000.00	12.00	MG/KGDRYWT
POTASSIUM, TOTAL	54	54	496.11	1700.00	130.00	MG/KGDRYWT
SELENIUM, TOTAL	54	1	0.78	0.78	0.78	MG/KGDRYWT
SILVER, TOTAL	54	2	4.25	5.80	2.70	MG/KGDRYWT
SODIUM, TOTAL	54	54	221.09	1600.00	28.00	MG/KGDRYWT
SOLIDS, TOTAL RESIDUE	64	64	59.58	80.00	13.00	WT %
SULFATE, TOTAL	54	52	1290.88	18000.00	80.00	MG/KGDRYWT
VANADIUM, TOTAL	54	52	16.13	93.00	3.60	MG/KGDRYWT
ZINC, TOTAL	54	53	89.79	1100.00	3.90	MG/KGDRYWT

DETECTED WATER DATA

TAB 11

SUMMARY OF DETECTED ROUND 1&2 GROUNDWATER DATA

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	111TCE	2TCLEA	112TCE	11DCLE	11DCE	12DCLE	12DCE	12DCLP	244TM1P	244TM2P	MEK
B-03	920812									5		
B-03	921110											
GW-03D	921105											
GW-03S	921105											
GW-04	920805											
GW-04	921105											
GW-04D	920805	2										
GW-04D	921105											
GW-06D	921103											
GW-06S	921103											
GW-10D	920810											6
GW-10D	921109						4 J			2 J		
GW-10S	920810									51	14	
GW-10S	921112									9 J		
GW-11	921109		3 J							120	36	
GW-17D	920805	1										1
GW-17D	921103	1 J										
GW-18D	921109											
GW-19D	920804										2	8
GW-19D	921109											
GW-19D	921109											
GW-21D	921106											
GW-21S	921106											
GW-22D	920812						12					21
GW-22D	921105						9					12 J
GW-22S	920812											
GW-22S	921105									2 J		
GW-25	920810	6			7	2	2			130	66	
GW-25	921116	2 J	4 J							57	28	
GW-26	920810									16	16	
GW-26	921113									14	13	

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	111TCE	2TCLEA	112TCE	11DCLE	11DCE	12DCLE	12DCE	12DCLP	244TM1P	244TM2P	MEK
GW-27D	920812	18			4	3	3					1
GW-27D	921109	10	4 J			2 J	3 J					
GW-27S	920812	22			5	4	2			32	11	
GW-27S	921109	19	6			3 J				35	16	
GW-28D	920810		1							71	35	
GW-28D	921106									10		
GW-28S	920810									67	36	
GW-28S	921106									2 J		
GW-29D	920810							1		19	15	
GW-29D	921106									3 J		
GW-29S	920810											3
GW-29S	921106											
GW-30DR	920804	5					15					15
GW-30DR	921109	4 J					15					
GW-31D	920803									6	4	
GW-31D	921102									12	6 J	
GW-31S	920803									3	1	
GW-31S	921102									6 J	3 J	
GW-32D	920803									8	7	
GW-32D	921102									7 J	4 J	
GW-32S	920803											
GW-33D	920803									10	6	
GW-33D	921103									11	7 J	
GW-34D	920804									16	5	
GW-34D	921105									38	13	
GW-34S	920804									1900	720	
GW-34S	921105									930	380	
GW-35D	920804						5			7	2	
GW-35D	921105						8					5 J
GW-35S	920804	4			2					81	50	
GW-35S	921105									110	60	

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	111TCE	2TCLEA	112TCE	11DCLE	11DCE	12DCLE	12DCE	12DCLP	244TM1P	244TM2P	MEK
GW-36	920811						4					
GW-36	921116						16					
GW-37	920811	19			5	2	6					
GW-37	921116						20					
GW-38	920804	6			5	1	1			130	38	
GW-38	921109	8	5				6			49	13	
GW-39	920806											
GW-39	921111											
GW-40D	920811						18 J	24 J				
GW-40D	921111											
GW-42D	920805						2					
GW-42D	920805						2					64 J
GW-42D	921111											52
GW-42D	921111											46
GW-43D	920805						2	1				
GW-43D	920805						2	1				
GW-43D	921111						25			5 J	3 J	3 J
GW-43D	921111	1 J					27			6 J	4 J	6 J
GW-43S	921111									4 J	1 J	
GW-44D	920812	9			3			2				5
GW-44D	921110						3 J					27
GW-44S	920812											
GW-45D	920810							1				
GW-45D	921112											
GW-47	920813											
GW-48D	920812											
GW-48D	921117											
GW-48S	920812											
GW-49D	920812							39				2
GW-49D	921116		20					74				1200 J
GW-50D	920805	3			2		7					

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	111TCE	2TCLEA	112TCE	11DCLE	11DCE	12DCLE	12DCE	12DCLP	244TM1P	244TM2P	MEK
GW-50D	920805	3			2		7			3 J	1 J	
GW-50D	921104						4 J					
GW-50D	921104						4 J					
GW-50S	920806											
GW-51S	920805											
GW-51S	921103											
GW-52D	920804									8	3	
GW-52D	921103									7 J	2 J	
GW-52S	920804											
GW-53D	920804									240	140	
GW-53D	921103									58	19	
GW-53S	920804									5 J		
GW-53S	921103									5 J		
GW-54D	920803									330	130	
GW-54D	921103									420	110	
GW-54S	920803									56	23	
GW-54S	921103									96	35	
GW-55D	920805	1					5				1	
GW-55D	921102						2 J					
GW-56D	920806						2					3
GW-57D	921117									4 J		
GW-58D	920811	2						10				
GW-58D	921112						5	93				
GW-59D	920806											7
GW-59D	920806											10
GW-59D	921110						3 J					11 J
GW-59D	921110						5			3 J		2 J
GW-59S	920806											
GW-60D	920811											2
GW-60D	921117											
GW-61BR	921218							2 J				

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	111TCE	2TCLEA	112TCE	11DCLE	11DCE	12DCLE	12DCE	12DCLP	244TM1P	244TM2P	MEK
GW-61D	920812	4										
GW-61D	921113											
GW-62BR	920813											
GW-62BR	921119						1 J	2 J			2 J	
GW-62BRD	930107						4 J	2 J				
GW-62D	921116											
GW-62M	920811											
GW-62M	921116											
GW-63D	920812											
GW-63D	921118							2 J				
GW-63S	920812											
GW-64D	920812							12				
GW-64D	920812							9				2 J
GW-64D	921118							70				
GW-64S	920812											
GW-65D	920813											4
GW-65D	921118							5				
GW-65S	920813											
GW-65S	921118							4 J				
GW-67D	921113											
GW-68BR	921217											
GW-68D	921111									23	6 J	
GW-69D	920806	1					4					
GW-69D	921116						27					
GW-69S	920806	1					5					
GW-70D	920810											
GW-70D	921112											
GW-71D	921217											
GW-72D	921117											
GW-74D	930420				8			9				
GW-74S	930420							6				

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	111TCE	2TCLEA	112TCE	11DCLE	11DCE	12DCLE	12DCE	12DCLP	244TM1P	244TM2P	MEK
GW-75S	930507											
IW-04	920812									1800	540	
IW-04	921110									540	160	
IW-11	920812									87 J	33 J	
IW-11	921110									41000	12000	
SL-06	921109											
SL-06	920806											

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	MNBK	MIBK	ACET	C6H6	BRDCLM	CHBR3	CS2	CCL4	CLC6H5	C2H5CL	CCL3
B-03	920812			28								
B-03	921110											
GW-03D	921105			6 J								
GW-03S	921105			9 J								
GW-04	920805											
GW-04	921105											
GW-04D	920805											
GW-04D	921105			120								
GW-06D	921103			13000								
GW-06S	921103			7 J								
GW-10D	920810			200					4			2
GW-10D	921109					3 J	11	31	11			13
GW-10S	920810											
GW-10S	921112			28								
GW-11	921109						2 J					
GW-17D	920805						1					
GW-17D	921103											
GW-18D	921109			24								
GW-19D	920804			110				9				
GW-19D	921109			4000								
GW-19D	921109			3400								
GW-21D	921106			750								
GW-21S	921106			370								
GW-22D	920812			140	1	25	65	13	5			46
GW-22D	921105			170	2 J	26	48	20	9			44
GW-22S	920812		26	64								
GW-22S	921105			230								
GW-25	920810					1	7					3
GW-25	921116											
GW-26	920810				1					1		
GW-26	921113											

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	MNBK	MIBK	ACET	C6H6	BRDCLM	CHBR3	CS2	CCL4	CLC6H5	C2H5CL	CCL3
GW-27D	920812			570 J		4	34					2
GW-27D	921109					3 J	30					2 J
GW-27S	920812			330		3	20			1		2
GW-27S	921109			200			22					
GW-28D	920810									2		
GW-28D	921106			750								
GW-28S	920810									2		
GW-28S	921106			630								
GW-29D	920810			33	4							
GW-29D	921106			420								
GW-29S	920810			15								
GW-29S	921106			2000								
GW-30DR	920804			230	1	46	610	7		9		18
GW-30DR	921109			220		43	750	10				32
GW-31D	920803											
GW-31D	921102											
GW-31S	920803			29								
GW-31S	921102											
GW-32D	920803			31	10							
GW-32D	921102			76 B	5							
GW-32S	920803			21								
GW-33D	920803											
GW-33D	921103			330								
GW-34D	920804						7	2	7			4
GW-34D	921105			480			7	3 J	8			5
GW-34S	920804											
GW-34S	921105			10 J			2 J					
GW-35D	920804					6	44	4	11			16
GW-35D	921105			58		24	160	9 J	16			23
GW-35S	920804							8				
GW-35S	921105							9 J				

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	MNBK	MIBK	ACET	C6H6	BRDCLM	CHBR3	CS2	CCL4	CLC6H5	C2H5CL	CCL3
GW-36	920811					6	79		2			9
GW-36	921116			920		12	170	24				94
GW-37	920811			200		10	190	4				6
GW-37	921116			280		30	400	24				75
GW-38	920804						18					1
GW-38	921109			40		8	100	6 J				13
GW-39	920806			13								
GW-39	921111											
GW-40D	920811			16			2 J					
GW-40D	921111											
GW-42D	920805			860			5	5				7
GW-42D	920805			630			4	4				9
GW-42D	921111		4 J				21	12				44
GW-42D	921111		3 J	260 B		1 J	18	18				52
GW-43D	920805					4	2					4
GW-43D	920805					4	2					4
GW-43D	921111				3 J	2 J	39	3 J				11
GW-43D	921111		3 J	60 B	3 J	2 J	51	3 J				10
GW-43S	921111											
GW-44D	920812			120		1	2	4				18
GW-44D	921110		3 J	240 B	2 J	2 J	14	15				79
GW-44S	920812			1800						4		
GW-45D	920810			29			1					5
GW-45D	921112			700			8 J					54
GW-47	920813			7								
GW-48D	920812			12						1		
GW-48D	921117											
GW-48S	920812			8								1
GW-49D	920812	37	190	150	71						19	
GW-49D	921116		1400	1400	120					53	49	
GW-50D	920805				2							

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	MNBK	MIBK	ACET	C6H6	BRDCLM	CHBR3	CS2	CCL4	CLC6H5	C2H5CL	CCL3
GW-50D	920805				2							
GW-50D	921104			10 J								
GW-50D	921104			53								
GW-50S	920806									20		
GW-51S	920805						1					
GW-51S	921103											
GW-52D	920804			67						9		
GW-52D	921103			70 B								
GW-52S	920804									7		
GW-53D	920804											
GW-53D	921103											
GW-53S	920804			67								
GW-53S	921103											
GW-54D	920803											
GW-54D	921103											
GW-54S	920803			11								
GW-54S	921103			24								
GW-55D	920805			400 J				15				2
GW-55D	921102			180 B				6 J				
GW-56D	920806					6	110	1		20		3
GW-57D	921117											
GW-58D	920811											2
GW-58D	921112											4 J
GW-59D	920806			72								4
GW-59D	920806			69								4
GW-59D	921110		3 J	370 B	3 J		4 J	14		1 J		77
GW-59D	921110			63 B	4 J	1 J	11	19	2 J	1 J		80
GW-59S	920806			8								
GW-60D	920811											
GW-60D	921117											
GW-61BR	921218											

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	MNBK	MIBK	ACET	C6H6	BRDCLM	CHBR3	CS2	CCL4	CLC6H5	C2H5CL	CCL3
GW-61D	920812											
GW-61D	921113											
GW-62BR	920813			24						1		9
GW-62BR	921119				2 J							18
GW-62BRD	930107				2 J			1 J				
GW-62D	921116		3 J		1 J					1 J		
GW-62M	920811			8								
GW-62M	921116											
GW-63D	920812			5								
GW-63D	921118											
GW-63S	920812			36								
GW-64D	920812											
GW-64D	920812			14				1 J				
GW-64D	921118											
GW-64S	920812			15								
GW-65D	920813			110								
GW-65D	921118											
GW-65S	920813			33								
GW-65S	921118			12 J								
GW-67D	921113											
GW-68BR	921217			1 J								
GW-68D	921111											
GW-69D	920806				1	2	8	3				4
GW-69D	921116			290		8 J	65	36 J	5 J			26
GW-69S	920806				1	2	9	3				5
GW-70D	920810			31	4							7
GW-70D	921112			25								24
GW-71D	921217			3 J								
GW-72D	921117											4 J
GW-74D	930420											
GW-74S	930420											

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	MNBK	MIBK	ACET	C6H6	BRDCLM	CHBR3	CS2	CCL4	CLC6H5	C2H5CL	CCL3
GW-75S	930507			10 J								
IW-04	920812											
IW-04	921110											
IW-11	920812			660 J								
IW-11	921110											
SL-06	921109			69								
SL-06	920806			8								6

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

(TCE)

WELL	DATE	CH3CL	DBRCLM	ETC6H5	C2CL2	STYR	TCLEE	MEC6H5	TRCLE	C2AVE	C2H3CL	TXYLEN
B-03	920812											
B-03	921110											1 J
GW-03D	921105				2 J							
GW-03S	921105				2 J							
GW-04	920805								6			
GW-04	921105								8			
GW-04D	920805											
GW-04D	921105											
GW-06D	921103						1 J					
GW-06S	921103				2 J							
GW-10D	920810											
GW-10D	921109		3 J	6				70	2 J			
GW-10S	920810											
GW-10S	921112											
GW-11	921109											
GW-17D	920805											
GW-17D	921103						1 J					
GW-18D	921109											
GW-19D	920804							3				
GW-19D	921109											
GW-19D	921109											
GW-21D	921106											
GW-21S	921106											
GW-22D	920812	7	22					16	3			
GW-22D	921105	6 J	21		10			23	4 J			
GW-22S	920812											
GW-22S	921105											
GW-25	920810		2					1				
GW-25	921116											
GW-26	920810											
GW-26	921113											

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	CH3CL	DBRCLM	ETC6H5	C2CL2	STYR	TCLEE	MEC6H5	TRCLE	C2AVE	C2H3CL	TXYLEN
GW-27D	920812		9					2				
GW-27D	921109		8									
GW-27S	920812		6				1					
GW-27S	921109		7									
GW-28D	920810											
GW-28D	921106											
GW-28S	920810											
GW-28S	921106											
GW-29D	920810			3								
GW-29D	921106											
GW-29S	920810											
GW-29S	921106											
GW-30DR	920804	1	250					19	1			
GW-30DR	921109		170		8 J			27				
GW-31D	920803											
GW-31D	921102											
GW-31S	920803											
GW-31S	921102											
GW-32D	920803											
GW-32D	921102											
GW-32S	920803											
GW-33D	920803											
GW-33D	921103											
GW-34D	920804							1				
GW-34D	921105											
GW-34S	920804											
GW-34S	921105				2 J							
GW-35D	920804		7					4	1			
GW-35D	921105	2 J	30		3 J			8	3 J			
GW-35S	920804							10				
GW-35S	921105											

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	CH3CL	DBRCLM	ETC6H5	C2CL2	STYR	TCLEE	MEC6H5	TRCLE	C2AVE	C2H3CL	TXYLEN
GW-36	920811		19					7	1			
GW-36	921116	6 J	39	2 J	13			57	4 J			
GW-37	920811	2	45					7	1			
GW-37	921116		140		12			60	4 J			
GW-38	920804		5									
GW-38	921109		28					12				
GW-39	920806											
GW-39	921111							1 J				
GW-40D	920811							3			2 J	
GW-40D	921111							2 J				1 J
GW-42D	920805							16	1			
GW-42D	920805		1 J					15	1			
GW-42D	921111	4 J	3 J					37	3 J			
GW-42D	921111	6 J	3 J	1 J				49 J	4 J			
GW-43D	920805							3				
GW-43D	920805		3					2				
GW-43D	921111	1 J	9	2 J				33	3 J			6
GW-43D	921111	1 J	11	2 J				35	3 J			6
GW-43S	921111											
GW-44D	920812	2		2				24	2			4
GW-44D	921110	7 J	3 J	4 J				84 J	7			4 J
GW-44S	920812											
GW-45D	920810				12			6				
GW-45D	921112							81				
GW-47	920813											
GW-48D	920812											
GW-48D	921117								5 J			
GW-48S	920812											
GW-49D	920812			120				3200			7	600
GW-49D	921116			250 J				12000			8 J	750
GW-50D	920805											

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	CH3CL	DBRCLM	ETC6H5	C2CL2	STYR	TCLEE	MEC6H5	TRCLE	C2AVE	C2H3CL	TXYLEN
GW-50D	920805											
GW-50D	921104											
GW-50D	921104											
GW-50S	920806											
GW-51S	920805											
GW-51S	921103						1 J					
GW-52D	920804											
GW-52D	921103											
GW-52S	920804											
GW-53D	920804											
GW-53D	921103											
GW-53S	920804											
GW-53S	921103											
GW-54D	920803											
GW-54D	921103											
GW-54S	920803											
GW-54S	921103											
GW-55D	920805							9				
GW-55D	921102											
GW-56D	920806		27					3				
GW-57D	921117											
GW-58D	920811							3	50			
GW-58D	921112				6 J		4 J	8	460		13	
GW-59D	920806			1 J				6				
GW-59D	920806							6				
GW-59D	921110	1 J		7 J				120 J	7			10 J
GW-59D	921110		2 J	13				110	8			28
GW-59S	920806											
GW-60D	920811											
GW-60D	921117							7				
GW-61BR	921218				2 J				4 J			

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	CH3CL	DBRCLM	ETC6H5	C2CL2	STYR	TCLEE	MEC6H5	TRCLE	C2AVE	C2H3CL	TXYLEN
GW-61D	920812								1			
GW-61D	921113								2 J			
GW-62BR	920813								35			
GW-62BR	921119							1 J	81			
GW-62BRD	930107			2 J				2 J	17			
GW-62D	921116			4 J				170				17
GW-62M	920811											
GW-62M	921116							3 J				
GW-63D	920812											
GW-63D	921118											
GW-63S	920812											
GW-64D	920812											
GW-64D	920812											
GW-64D	921118											
GW-64S	920812											
GW-65D	920813											
GW-65D	921118											
GW-65S	920813											
GW-65S	921118											
GW-67D	921113								7			
GW-68BR	921217				3 J							
GW-68D	921111											
GW-69D	920806		3					5	4			
GW-69D	921116		17 J					76	16 J			
GW-69S	920806		3					5	5			
GW-70D	920810	1						8	1			
GW-70D	921112			2 J	8 J			86	7			
GW-71D	921217				3 J							
GW-72D	921117											
GW-74D	930420								12			
GW-74S	930420								9			

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	CH3CL	DBRCLM	ETC6H5	C2CL2	STYR	TCLEE	MEC6H5	TRCLE	C2AVE	C2H3CL	TXYLEN
GW-75S	930507											
IW-04	920812											
IW-04	921110							1 J				
IW-11	920812							18 J				39 J
IW-11	921110											
SL-06	921109											
SL-06	920806											

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	124TCB	12DCLB	13DCLB	14DCLB	24DCLP	24DCLP	24DMPN	24DNP	26DNT	2CLP	2MNAP
B-03	920812		2									
B-03	921110											
BR-01	921119											
GW-03D	921105											
GW-06D	920804			1								
GW-06S	920804			2 J								
GW-10D	920810	1	2	3	3	3					2	
GW-10D	921109	2 J	2 J		3 J		3 J			5 J		
GW-10S	921112											
GW-11	921109									1 J		
GW-12	921111											
GW-17D	920805											
GW-17D	921103											
GW-18D	920806											
GW-19D	920804											
GW-19D	921109										1 J	
GW-19D	921109											
GW-21D	921106											
GW-21S	921106											
GW-22D	920812										2 J	
GW-22D	921105										3 J	
GW-22S	920812											
GW-22S	921105											
GW-25	921116	2 J		1 J								
GW-26	920810		2		2							
GW-26	921113											
GW-27D	920812			1								
GW-27D	921109										1 J	
GW-27S	920812											
GW-27S	921109											
GW-28D	920810											

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	124TCB	12DCLB	13DCLB	14DCLB	24DCLP	24DCLP	24DMPN	24DNP	26DNT	2CLP	2MNAP
GW-28D	921106											
GW-28S	920810											
GW-28S	921106											
GW-29D	920810		3	1	3							
GW-29D	921106		3 J		3 J							
GW-29S	921106											
GW-30DR	920804			2 J		1 J					6 J	
GW-30DR	921109						1 J					
GW-31D	920803											
GW-31D	921102											
GW-31S	920803			1								
GW-31S	921102											
GW-32D	920803											
GW-32D	921102											
GW-32S	920803			2								
GW-32S	921102											
GW-33D	920803		2 J	3 J	3 J							
GW-33D	921103		3 J	1 J	3 J							
GW-33S	920803			2 J								
GW-33S	921103		1 J		1 J					2 J		
GW-34D	920804			2 J								
GW-34D	921105											
GW-34S	920804			1 J								
GW-34S	921105											
GW-35D	920804											
GW-35D	921105											
GW-35S	920804	2		1								
GW-35S	921105	5 J		1 J								
GW-36	920811					1						
GW-36	921116											
GW-37	920811					1 J					3 J	

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	124TCB	12DCLB	13DCLB	14DCLB	24DCLP	24DCLP	24DMPN	24DNP	26DNT	2CLP	2MNAP
GW-37	921116											
GW-38	920804			1 J								
GW-38	921109						1 J					
GW-39	920806			1								
GW-40D	920811			2 J								
GW-42D	920805											
GW-42D	920805											
GW-42D	921111										3 J	
GW-42D	921111											
GW-43D	920805	1 J		2 J								
GW-43D	920805											
GW-43D	921111	1 J				1 J					2 J	
GW-43D	921111					1 J					1 J	
GW-43S	920805				2 J							
GW-44D	920812				1 J	3 J					5 J	2 J
GW-44D	921110		1 J		1 J		3 J					1 J
GW-45D	920810			1								
GW-45D	921112						2 J					
GW-49D	920812		130		5			7				
GW-49D	921116		99		4 J			6 J	2 J			
GW-50D	920805			1								
GW-50D	920805			1 J								
GW-50D	921104											
GW-50D	921104											
GW-50S	920806			1 J								
GW-51D	920805			2 J								
GW-51D	921103											
GW-51S	921103											
GW-52D	920804			1								
GW-52D	921103									3 J		1 J
GW-52S	920804											

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	124TCB	12DCLB	13DCLB	14DCLB	24DCLP	24DCLP	24DMPN	24DNP	26DNT	2CLP	2MNAP
GW-52S	921103									5 J		
GW-53D	920804											
GW-53D	921103		1 J		2 J					3 J		
GW-54D	920803											
GW-54D	921103											
GW-54S	920803											
GW-54S	921103									2 J		
GW-55D	920805											
GW-55D	921102							4 J			1 J	
GW-55S	921102											
GW-56S	920806			1								
GW-57D	920806			2 J								
GW-58D	920811											
GW-58D	921112	1 J					1 J				1 J	
GW-58S	920811			1 J								
GW-59D	920806		1	2 J	1	3						
GW-59D	920806		1		1	3						
GW-59D	921110		1 J		2 J		3 J	1 J				
GW-59D	921110				1 J		3 J					
GW-59S	920806			1 J								
GW-59S	921110				1 J							
GW-60D	920811			1								
GW-62D	920811			1								
GW-62M	920811			1								
GW-63D	920812											
GW-63S	920812											
GW-64D	920812			1								
GW-64D	920812			1								
GW-64S	920812			1								
GW-65D	921118											
GW-65S	920813			1								

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	124TCB	12DCLB	13DCLB	14DCLB	24DCLP	24DCLP	24DMPN	24DNP	26DNT	2CLP	2MNAP
GW-68BR	921217											
GW-62BRD	930107											
GW-68D	920806			1								
GW-69D	920806	6 J		2 J		1 J						
GW-69D	921116	7 J					1 J				1 J	
GW-70D	920810											
GW-70D	921112			3 J								
IW-04	920812			1								
IW-04	921110											
IW-11	920812											87 J
IW-11	921110											
SL-06	920806			2								

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	2MP	2NP	46DN2C	4BRPPE	4CL3MP	4CANIL	4CLPPE	4MP	4NANIL	4NP	BENZOA
B-03	920812											
B-03	921110											
BR-01	921119											
GW-03D	921105										3 J	
GW-06D	920804											
GW-06S	920804											
GW-10D	920810	4	4		3			12			10	20
GW-10D	921109	4 J	8 J		5 J			15	2 J		12 J	42 J
GW-10S	921112											
GW-11	921109											
GW-12	921111											
GW-17D	920805		5 J								4 J	
GW-17D	921103		10								13 J	
GW-18D	920806											
GW-19D	920804				3							
GW-19D	921109				6 J					3 J		6 J
GW-19D	921109				6 J					3 J		
GW-21D	921106											
GW-21S	921106											
GW-22D	920812		60 J		1 J						54 J	
GW-22D	921105		120		2 J						330	
GW-22S	920812											
GW-22S	921105											
GW-25	921116										1 J	
GW-26	920810							7				
GW-26	921113							4 J				
GW-27D	920812		42		33			2			69	
GW-27D	921109		88		34			3 J			150	
GW-27S	920812				27			2				
GW-27S	921109				44			5 J				2 J
GW-28D	920810											

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	2MP	2NP	46DN2C	4BRPPE	4CL3MP	4CANIL	4CLPPE	4MP	4NANIL	4NP	BENZOA
GW-28D	921106											
GW-28S	920810											
GW-28S	921106											
GW-29D	920810											
GW-29D	921106											
GW-29S	921106											1 J
GW-30DR	920804	16 J	150 J						38 J		120 J	13 J
GW-30DR	921109	20	190			6 J			52		160 J	14 J
GW-31D	920803											
GW-31D	921102											
GW-31S	920803											
GW-31S	921102											
GW-32D	920803											
GW-32D	921102										4 J	3 J
GW-32S	920803											
GW-32S	921102										2 J	
GW-33D	920803											
GW-33D	921103							1 J				1 J
GW-33S	920803											
GW-33S	921103											5 J
GW-34D	920804		36 J		1 J							6 J
GW-34D	921105										2 J	
GW-34S	920804											
GW-34S	921105											
GW-35D	920804		2 J						1 J		30 J	
GW-35D	921105		1 J		5 J						3 J	
GW-35S	920804	2	2									
GW-35S	921105		89						2 J		110	
GW-36	920811	10	120						38		180	12
GW-36	921116	6 J	120						27		170 J	5 J
GW-37	920811	7 J	130 J						36 J		110 J	

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	2MP	2NP	46DN2C	4BRPPE	4CL3MP	4CANIL	4CLPPE	4MP	4NANIL	4NP	BENZOA
GW-37	921116	6 J	130						34		190 J	3 J
GW-38	920804	3 J	75 J		1 J				10 J		99 J	2 J
GW-38	921109	5 J	150						19		150	4 J
GW-39	920806											
GW-40D	920811											
GW-42D	920805	2	160 J			2 J			56 J		110 J	14 J
GW-42D	920805	3 J	82 J						39		170 J	
GW-42D	921111	3 J	210						81		310 J	
GW-42D	921111	4 J	220						86		300	
GW-43D	920805	1 J	9		3				3		5 J	
GW-43D	920805		15 J		5 J				5 J		25 J	
GW-43D	921111	3 J	14		9 J				10		33	
GW-43D	921111	2 J	13	3 J	7 J				7 J		29	
GW-43S	920805											
GW-44D	920812	5 J	43 J						28 J		72 J	
GW-44D	921110	6 J	45						32		110	41 J
GW-45D	920810	2	51						13		64	10
GW-45D	921112	3 J	93						16		190 J	
GW-49D	920812											
GW-49D	921116								58			31 J
GW-50D	920805										3 J	
GW-50D	920805											
GW-50D	921104											
GW-50D	921104											
GW-50S	920806											
GW-51D	920805											
GW-51D	921103		1 J								3 J	
GW-51S	921103											
GW-52D	920804											
GW-52D	921103										6 J	
GW-52S	920804											

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	2MP	2NP	46DN2C	4BRPPE	4CL3MP	4CANIL	4CLPPE	4MP	4NANIL	4NP	BENZOA
GW-52S	921103										6 J	
GW-53D	920804											
GW-53D	921103											
GW-54D	920803											
GW-54D	921103									2 J		
GW-54S	920803											
GW-54S	921103						2 J					20 J
GW-55D	920805				1 J				2 J			
GW-55D	921102	2 J			1 J				3 J		12 J	2 J
GW-55S	921102										1 J	
GW-56S	920806											
GW-57D	920806											
GW-58D	920811											
GW-58D	921112											
GW-58S	920811											
GW-59D	920806	13	22						38		42	61
GW-59D	920806	13	19						35		61	
GW-59D	921110	17	32						51		73	27 J
GW-59D	921110	12	25						33		65	
GW-59S	920806											
GW-59S	921110											
GW-60D	920811											
GW-62D	920811											
GW-62M	920811											
GW-63D	920812											
GW-63S	920812											
GW-64D	920812											
GW-64D	920812											
GW-64S	920812											
GW-65D	921118											
GW-65S	920813											

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	2MP	2NP	46DN2C	4BRPPE	4CL3MP	4CANIL	4CLPPE	4MP	4NANIL	4NP	BENZOA
GW-68BR	921217											
GW-62BRD	930107											
GW-68D	920806											
GW-69D	920806		7 J		11 J			2 J			6 J	
GW-69D	921116		9 J		6 J			2 J			24 J	
GW-70D	920810	2							9			
GW-70D	921112	7 J							33			
IW-04	920812										3	6
IW-04	921110						10		5 J			
IW-11	920812								12 J			
IW-11	921110											
SL-06	920806											

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	BZALC	B2EHP	BBZP	DNBP	DNOP	DBZFUR	DEP	DMP	FLRENE	ICDPYR	ISOPHR
B-03	920812					1						
B-03	921110		290 B			1 J						
BR-01	921119		150 B									
GW-03D	921105		3 J									
GW-06D	920804											
GW-06S	920804											
GW-10D	920810	1	2									2
GW-10D	921109											2 J
GW-10S	921112											
GW-11	921109											
GW-12	921111					1 J						
GW-17D	920805											
GW-17D	921103											
GW-18D	920806		4									
GW-19D	920804											
GW-19D	921109				2 J		2 J					
GW-19D	921109				1 J		1 J					
GW-21D	921106		3 J									
GW-21S	921106		2 J									
GW-22D	920812	9 J										4 J
GW-22D	921105	9 J	6 J									
GW-22S	920812											
GW-22S	921105		6 J									
GW-25	921116											
GW-26	920810											
GW-26	921113											
GW-27D	920812		180									
GW-27D	921109						1 J					
GW-27S	920812											
GW-27S	921109											
GW-28D	920810											

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	BZALC	B2EHP	BBZP	DNBP	DNOP	DBZFUR	DEP	DMP	FLRENE	ICDPYR	ISOPHR
GW-28D	921106											
GW-28S	920810											
GW-28S	921106											
GW-29D	920810		6									
GW-29D	921106											
GW-29S	921106		29 B									
GW-30DR	920804						2 J					
GW-30DR	921109	5 J					2 J					
GW-31D	920803		70									
GW-31D	921102											
GW-31S	920803		2									
GW-31S	921102											
GW-32D	920803		2									
GW-32D	921102											
GW-32S	920803		1									
GW-32S	921102											
GW-33D	920803											
GW-33D	921103											
GW-33S	920803											
GW-33S	921103											
GW-34D	920804											2 J
GW-34D	921105	2 J										5 J
GW-34S	920804											
GW-34S	921105											
GW-35D	920804											
GW-35D	921105	2 J	3 J									8 J
GW-35S	920804											
GW-35S	921105		5 J									
GW-36	920811	3										
GW-36	921116											
GW-37	920811						1 J					

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	BZALC	B2EHP	BBZP	DNBP	DNOP	DBZFUR	DEP	DMP	FLRENE	ICDPYR	ISOPHR
GW-37	921116											
GW-38	920804	3 J										
GW-38	921109											
GW-39	920806											
GW-40D	920811											
GW-42D	920805	3 J										
GW-42D	920805	1 J										
GW-42D	921111	3 J										
GW-42D	921111	2 J										
GW-43D	920805	1			1 J							1 J
GW-43D	920805	1 J										
GW-43D	921111	2 J			2 J							2 J
GW-43D	921111	1 J			2 J							1 J
GW-43S	920805											
GW-44D	920812	3 J										
GW-44D	921110	4 J										
GW-45D	920810	2										
GW-45D	921112	4 J										
GW-49D	920812											
GW-49D	921116											
GW-50D	920805		3 J									
GW-50D	920805											
GW-50D	921104		1 J									
GW-50D	921104											
GW-50S	920806											
GW-51D	920805											
GW-51D	921103											
GW-51S	921103						1 J					
GW-52D	920804											
GW-52D	921103						2 J					
GW-52S	920804											

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	BZALC	B2EHP	BBZP	DNBP	DNOP	DBZFUR	DEP	DMP	FLRENE	ICDPYR	ISOPHR
GW-52S	921103						2 J					
GW-53D	920804							1				
GW-53D	921103				1 J							
GW-54D	920803							1				
GW-54D	921103											
GW-54S	920803		5									
GW-54S	921103											
GW-55D	920805											
GW-55D	921102											
GW-55S	921102											
GW-56S	920806		1									
GW-57D	920806		2 J									
GW-58D	920811		19 J									
GW-58D	921112											
GW-58S	920811											
GW-59D	920806	5										
GW-59D	920806	6										
GW-59D	921110	6 J				1 J						
GW-59D	921110	4 J										
GW-59S	920806		1 J									
GW-59S	921110											
GW-60D	920811											
GW-62D	920811											
GW-62M	920811											
GW-63D	920812											
GW-63S	920812		64									
GW-64D	920812											
GW-64D	920812											
GW-64S	920812											
GW-65D	921118		14 B									
GW-65S	920813											

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	BZALC	B2EHP	BBZP	DNBP	DNOP	DBZFUR	DEP	DMP	FLRENE	ICDPYR	ISOPHR
GW-68BR	921217		2 J									
GW-62BRD	930107		2 J									
GW-68D	920806											
GW-69D	920806	6 J	3 J									2 J
GW-69D	921116	8 J										3 J
GW-70D	920810											
GW-70D	921112	2 J										
IW-04	920812											
IW-04	921110		260 B									
IW-11	920812		190000 J			6400 J				19 J	1400 J	
IW-11	921110		5500000 B			4500						
SL-06	920806		1									

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	NNDPA	NAP	PHANTR	PHENOL	PYR
B-03	920812					
B-03	921110	500				
BR-01	921119					
GW-03D	921105					
GW-06D	920804					
GW-06S	920804					
GW-10D	920810	2			6	
GW-10D	921109	3 J	3 J			
GW-10S	921112	1 J				
GW-11	921109	130		2 J		
GW-12	921111					
GW-17D	920805					
GW-17D	921103					
GW-18D	920806					
GW-19D	920804	4				
GW-19D	921109	8 J	1 J	3 J		
GW-19D	921109	8 J	1 J			
GW-21D	921106					
GW-21S	921106					
GW-22D	920812				7 J	
GW-22D	921105		79	150		
GW-22S	920812	3				
GW-22S	921105	2 J		2 J		
GW-25	921116	8 J				
GW-26	920810	74				
GW-26	921113	69				
GW-27D	920812		1		3	
GW-27D	921109	3 J	6 J	26 J		
GW-27S	920812	2			3	
GW-27S	921109	4 J				
GW-28D	920810	2				

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	NNDPA	NAP	PHANTR	PHENOL	PYR
GW-28D	921106	4 J				
GW-28S	920810	1				
GW-28S	921106	2 J				
GW-29D	920810	440				
GW-29D	921106	350		2 J		
GW-29S	921106					
GW-30DR	920804		2 J		1000 J	
GW-30DR	921109		88	1000 J		
GW-31D	920803	3				
GW-31D	921102	3 J				
GW-31S	920803	1				
GW-31S	921102	1 J				
GW-32D	920803	8				
GW-32D	921102	11				
GW-32S	920803					
GW-32S	921102					
GW-33D	920803	3 J			6 J	
GW-33D	921103	670		2 J		
GW-33S	920803	110 J				
GW-33S	921103	380		2 J		
GW-34D	920804					
GW-34D	921105	4 J				
GW-34S	920804	15 J				
GW-34S	921105	31				
GW-35D	920804				39 J	
GW-35D	921105		1 J			
GW-35S	920804	17			140	
GW-35S	921105	62		900		
GW-36	920811				1300	
GW-36	921116		69	1200 B		
GW-37	920811		45 J		1100 J	

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	NNDPA	NAP	PHANTR	PHENOL	PYR
GW-37	921116		63	1000 B		
GW-38	920804	1 J			360 J	
GW-38	921109		49	500 J		
GW-39	920806					
GW-40D	920811					
GW-42D	920805		1 J		380	
GW-42D	920805				580 J	
GW-42D	921111		42	590 J		
GW-42D	921111		68	640		
GW-43D	920805	2	3 J		40 J	
GW-43D	920805	3 J	2		67 J	
GW-43D	921111	5 J	5 J	89 B		
GW-43D	921111	4 J	5 J	81		
GW-43S	920805					
GW-44D	920812		13 J		600 J	
GW-44D	921110		15	600 B		
GW-45D	920810		2		300	
GW-45D	921112		8 J	620		
GW-49D	920812		11		15	
GW-49D	921116		8 J			
GW-50D	920805		1			
GW-50D	920805		1 J			
GW-50D	921104		1 J			
GW-50D	921104		2 J			
GW-50S	920806					
GW-51D	920805				5 J	
GW-51D	921103					
GW-51S	921103					
GW-52D	920804	4				
GW-52D	921103	13		2 J		
GW-52S	920804	1				

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	NNDPA	NAP	PHANTR	PHENOL	PYR
GW-52S	921103	5 J		1 J		
GW-53D	920804	14				
GW-53D	921103	38				
GW-54D	920803	7				
GW-54D	921103	39		2 J		
GW-54S	920803	2				
GW-54S	921103	2 J		3 J		
GW-55D	920805		3 J		52 J	
GW-55D	921102	1 J	3 J	87		
GW-55S	921102			2 J		
GW-56S	920806					
GW-57D	920806					
GW-58D	920811					
GW-58D	921112			5 J		
GW-58S	920811					
GW-59D	920806				1300	
GW-59D	920806				1600	
GW-59D	921110		11	1200 B		
GW-59D	921110		7 J	1300		
GW-59S	920806					
GW-59S	921110					
GW-60D	920811					
GW-62D	920811					
GW-62M	920811					
GW-63D	920812				1	
GW-63S	920812					
GW-64D	920812					
GW-64D	920812					
GW-64S	920812					
GW-65D	921118					
GW-65S	920813					

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	NNDPA	NAP	PHANTR	PHENOL	PYR
GW-68BR	921217					
GW-62BRD	930107		2 J			
GW-68D	920806					
GW-69D	920806		1 J		2 J	
GW-69D	921116		3 J			
GW-70D	920810				81	
GW-70D	921112		4 J	280		
IW-04	920812	1200				
IW-04	921110	1600		4 J		
IW-11	920812	14000 J	46 J			
IW-11	921110	470000				
SL-06	920806					

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - PESTICIDE's

OLIN - WILMINGTON FACILITY

WELL	DATE	44DDD	44DDT	ALDRN	ABHC	BBHC	DBHC	DLDRN	AENSLF	ESFSO4	ENDRNA	LIN
BR-01	921119					0.058						
GW-03D	921105						0.07					
GW-10D	920810				0.084							
GW-10D	921109		0.1		0.11						0.097 J	
GW-19D	921109				0.064	0.06	0.071					
GW-22D	920812				0.13							
GW-22D	921105				0.13					0.11		
GW-25	920810											0.05
GW-25	921116											0.11
GW-26	921113											
GW-27D	920812								0.19			
GW-27D	921109				0.13	0.062						
GW-27S	921109			0.065			0.14		0.054			
GW-29D	920810				0.062							
GW-29D	921106				0.05							
GW-30DR	920804				0.13							
GW-30DR	921109				0.3							
GW-32S	920803		0.22									
GW-33D	920803				0.13							
GW-33S	920803				0.13	0.1						
GW-34D	921105				0.06		0.05					
GW-35D	920804				0.08							
GW-35S	920804				0.15							
GW-36	920811				0.14							
GW-36	921116				0.13							
GW-37	920811				0.26	0.088						0.13
GW-37	921116				0.14	0.059			0.052			0.09
GW-38	920804				0.14			0.14				
GW-38	921109				0.098							
GW-42D	920805				0.09							
GW-42D	920805				0.13							

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - PESTICIDE's

OLIN - WILMINGTON FACILITY

WELL	DATE	44DDD	44DDT	ALDRN	ABHC	BBHC	DBHC	DLDRN	AENSLF	ESFSO4	ENDRNA	LIN
GW-42D	921111				0.196							
GW-43D	920805				0.05	0.06						0.07
GW-43D	921111					0.097						
GW-43D	921111											0.06
GW-44D	920812				0.05							
GW-44D	921110				0.073							
GW-45D	920810				0.13							
GW-45D	921112											0.085
GW-49D	921116		0.12		0.05	0.052						
GW-50D	921104				0.053							
GW-51D	921103											
GW-51S	921103						0.09					
GW-53D	920804			0.1 J								
GW-53D	921103			0.069								0.099
GW-53S	921103											
GW-54D	921103											
GW-55D	920805				0.06							
GW-59D	920806				0.09							0.08
GW-59D	920806				0.07							0.11
GW-59D	921110				0.073							0.11
GW-59D	921110				0.075							0.15
GW-60S	921117										0.14	
GW-67S	921113										0.1	
GW-69D	920806				0.05							
GW-69D	921116	0.1			0.094	0.12						0.058
GW-70D	920810				0.071							
GW-70D	921112				0.059							
SL-01D	921109					0.071						

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - PESTICIDE's

OLIN - WILMINGTON FACILITY

WELL	DATE	HPCL	HPCLE
BR-01	921119		
GW-03D	921105		
GW-10D	920810		
GW-10D	921109		
GW-19D	921109		0.068
GW-22D	920812		
GW-22D	921105		
GW-25	920810		
GW-25	921116		
GW-26	921113		0.052
GW-27D	920812		
GW-27D	921109		0.051
GW-27S	921109		0.06
GW-29D	920810		
GW-29D	921106		
GW-30DR	920804		
GW-30DR	921109		
GW-32S	920803		
GW-33D	920803		
GW-33S	920803		
GW-34D	921105		
GW-35D	920804		
GW-35S	920804		
GW-36	920811		
GW-36	921116		
GW-37	920811		
GW-37	921116		
GW-38	920804	0.06 J	
GW-38	921109		
GW-42D	920805		
GW-42D	920805		

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 GROUNDWATER DATA - PESTICIDE's

OLIN - WILMINGTON FACILITY

WELL	DATE	HPCL	HPCLE
GW-42D	921111		
GW-43D	920805		
GW-43D	921111		
GW-43D	921111		0.047 J
GW-44D	920812		
GW-44D	921110		
GW-45D	920810		
GW-45D	921112		
GW-49D	921116		
GW-50D	921104		
GW-51D	921103	0.05	
GW-51S	921103		
GW-53D	920804		
GW-53D	921103		
GW-53S	921103		0.087
GW-54D	921103		0.064
GW-55D	920805		
GW-59D	920806		
GW-59D	920806		
GW-59D	921110		
GW-59D	921110		
GW-60S	921117		
GW-67S	921113		
GW-69D	920806		
GW-69D	921116		
GW-70D	920810		
GW-70D	921112		
SL-01D	921109		

concentration: ug/l

SUMMARY OF DETECTED GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	AL, DISS	AL, TOT	SB, DISS	AS, DISS	AS, TOT	BA, DISS	BA, TOT	BE, DISS	BE, TOT	CD, DISS	CD, TOT
B-03	920812						0.09					
IW-04	920812				0.015							
IW-11	920812		0.36			0.035		0.019				
IW-11 *	920812					1.5						
GW-04	920805	0.22					0.013					
GW-04D	920805	0.16					0.041					
GW-06D	920804						0.029					
GW-06S	920804						0.015					
GW-10D	920810	160					0.011					
GW-10S	920810	2.7		0.007			0.12					
GW-12	920810						0.011					
GW-17D	920805	0.87					0.012					
GW-18D	920806						0.037				0.1	
GW-19D	920804						0.028					
GW-22D	920812	1400							0.1		0.055	
GW-22S	920812				0.011		0.016					
GW-25	920810						0.035					
GW-26	920810						0.015					
GW-27D	920812	520					0.017		0.046		0.025	
GW-27S	920812						0.02					
GW-28D	920810	0.24					0.026					
GW-28S	920810	0.38					0.022					
GW-29D	920810	0.79					0.022					
GW-29S	920810	0.69					0.023					
GW-30DR	920804	2100							0.13		0.12	
GW-31D	920803	0.78			0.018		0.058					
GW-31S	920803	0.38					0.036					
GW-32D	920803	0.36					0.039					
GW-32S	920803			0.005			0.047					
GW-33D	920803						0.008					
GW-33S	920803	0.11		0.005			0.008					
GW-34D	920804	170					0.013					
GW-34S	920804						0.065					

SUMMARY OF DETECTED GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	AL, DISS	AL, TOT	SB, DISS	AS, DISS	AS, TOT	BA, DISS	BA, TOT	BE, DISS	BE, TOT	CD, DISS	CD, TOT
GW-35D	920804	2400							0.12		0.14	
GW-35S	920804	0.12					0.012					
GW-36	920811	2300							0.13		0.15	
GW-37	920811	2000							0.12		0.11	
GW-38	920804	1200							0.08		0.055	
GW-39	920806						0.01					
GW-40D	920811						0.016					
GW-40D	920811	0.17 J					0.015					
GW-40S	920811	1.8					0.031					
GW-42D	920805	1800					0.06		0.26		0.15 J	
GW-42D	920805	1900					0.06		0.23		0.14	
GW-42S	920805	0.43					0.015					
GW-43D	920805	360 J										
GW-43D	920805	890 J					0.03		0.085		0.065	
GW-43S	920805						0.013					
GW-44D	920812	1400					0.045		0.16		0.12	
GW-44S	920812						0.012					
GW-45D	920810	1100					0.04		0.15		0.13	
GW-45S	920810						0.027					
GW-46D	920811						0.013					
GW-47	920813						0.006					
GW-48D	920812						0.007					
GW-48S	920812	0.54					0.02					
GW-49D	920812				0.024		0.039					
GW-50D	920805						0.014					
GW-50D	920805						0.016					
GW-50S	920806						0.009					
GW-51D	920805						0.012					
GW-51S	920805	1.1					0.012					
GW-52D	920804	1.2			0.048		0.055					
GW-52S	920804	0.88		0.007	0.005		0.028					
GW-53D	920804											
GW-53S	920804						0.005					

SUMMARY OF DETECTED GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	AL, DISS	AL, TOT	SB, DISS	AS, DISS	AS, TOT	BA, DISS	BA, TOT	BE, DISS	BE, TOT	CD, DISS	CD, TOT
GW-54D	920803						0.021					
GW-54S	920803	0.27					0.009					
GW-55D	920805	0.93					0.017				0.019	
GW-55S	920805						0.015					
GW-56D	920806						0.012					
GW-56S	920806	1.6					0.029					
GW-57D	920806			0.005			0.011					
GW-58D	920811						0.025					
GW-58S	920811						0.015					
GW-59D	920806	800					0.026		0.089		0.11	
GW-59D	920806	820					0.02		0.091		0.12	
GW-59S	920806				0.007		0.036					
GW-60D	920811				0.007		0.011					
GW-60S	920811						0.033					
GW-61D	920812						0.032					
GW-61S	920812						0.013					
GW-62BR	920813						0.052					
GW-62BRD	930107						0.12					
GW-62D	920811						0.019					
GW-62M	920811						0.009					
GW-62S	920811				0.011		0.016					
GW-63D	920812						0.048					
GW-63S	920812	0.81					0.022					
GW-64D	920812				0.006		0.044					
GW-64D	920812				0.006		0.048					
GW-64S	920812	0.22		0.005			0.015					
GW-65D	920813				0.009		0.017					
GW-65S	920813	0.11			0.015		0.024					
GW-66D	920811						0.01					
GW-66S	920811						0.012					
GW-68D	920806						0.046					
GW-69D	920806	280					0.018		0.024		0.014	
GW-69S	920806						0.034					

SUMMARY OF DETECTED GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	AL, DISS	AL, TOT	SB, DISS	AS, DISS	AS, TOT	BA, DISS	BA, TOT	BE, DISS	BE, TOT	CD, DISS	CD, TOT
GW-70D	920810	2.3					0.023				0.063	
GW-70S	920810						0.019					
GW-73D	930420				0.005		0.038					
GW-73S	930420						0.007					
GW-74D	930420						0.026					
GW-74S	930420						0.022					
GW-75D	930507	0.22					0.047					
GW-75S	930507	1.1					0.013					
SL-01D	920810	0.28					0.036					
SL-01S	920810	0.13					0.059					
SL-06	920806	0.39					0.03					

concentration: mg/l

SUMMARY OF DETECTED GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	CA, DISS	CA, TOT	CL, TOT	CR, DISS	CRHEXT	CR, TOT	CO, DISS	CO, TOT	CU, DISS	CU, TOT	CYN, TOT
B-03	920812	73	20	20								
IW-04	920812	8.9		17								
IW-11	920812		14	38							0.033	
IW-11 *	920812						1.6					
GW-04	920805	62		53								
GW-04D	920805	150		130				0.2				
GW-06D	920804	28		22								
GW-06S	920804	240		13								
GW-10D	920810	120		1700	14			1.1		1.3		
GW-10S	920810	3.2		12								
GW-12	920810	21		23								
GW-17D	920805	450		40	0.59			0.14		0.042		
GW-18D	920806	130		170				0.016				
GW-19D	920804	160		150	0.031							
GW-22D	920812	460		8500	560			3.8		8.3		
GW-22S	920812	300		13	0.04							
GW-25	920810	220		430	0.022			0.12				
GW-26	920810	1.4		110								
GW-27D	920812	400		3700	75			2.3		3.5		
GW-27S	920812	180		170	0.026							
GW-28D	920810	70		56						0.037		
GW-28S	920810	4.5		29	0.017					0.049		
GW-29D	920810	13		540	0.54							
GW-29S	920810	11		60	0.051							
GW-30DR	920804	540		23000	1700			5.4		2.7		
GW-31D	920803	8.4		31								
GW-31S	920803	6.3		24								
GW-32D	920803	21		210						0.064		
GW-32S	920803	15		32								
GW-33D	920803	1.6		110	0.063							
GW-33S	920803	2.1		29	0.086							
GW-34D	920804	210		420	8.3			0.21		0.81		
GW-34S	920804	7.1		8.7								

SUMMARY OF DETECTED GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	CA, DISS	CA, TOT	CL, TOT	CR, DISS	CRHEXT	CR, TOT	CO, DISS	CO, TOT	CU, DISS	CU, TOT	CYN, TOT
GW-35D	920804	520		17000	1300			4.1		1.1		
GW-35S	920804	170		110	0.074							
GW-36	920811	520		17000	1800	39 J		4.5		4		
GW-37	920811	540		13000	1700	31 J		4.6		5.4		
GW-38	920804	410		15000	760			3		3		
GW-39	920806	150		12				0.022				
GW-40D	920811	140		340								
GW-40D	920811	150		340								
GW-40S	920811	15			0.019							
GW-42D	920805	550 J		10000 J	3600	24 J		9.5		13		
GW-42D	920805	620		8600	3300	24 J		9.7		13		
GW-42S	920805	6.5		15	0.07							
GW-43D	920805	240		3800	270 J	9.9 J		1.7 J		1.2 J		
GW-43D	920805	320		3600	790 J	9.7 J		3.6 J		0.43 J		
GW-43S	920805	1.4		19	0.035							
GW-44D	920812	500		9000	940	26 J		5		5.2		
GW-44S	920812	14		31								
GW-45D	920810	510		8400	690	21 J		11		5.3		
GW-45S	920810	15										
GW-46D	920811	22		41								
GW-47	920813	16		8.9								
GW-48D	920812	17		28								
GW-48S	920812	10		11								
GW-49D	920812	100		100								
GW-50D	920805	370		1400				0.4				
GW-50D	920805	390		1700				0.4				
GW-50S	920806	56		190				0.028				
GW-51D	920805	140		17				0.12				
GW-51S	920805	130		8.8	0.018			0.023				
GW-52D	920804	28		220						1.3		
GW-52S	920804	27		7.4								
GW-53D	920804	12		57								
GW-53S	920804	14										

SUMMARY OF DETECTED GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	CA, DISS	CA, TOT	CL, TOT	CR, DISS	CRHEXT	CR, TOT	CO, DISS	CO, TOT	CU, DISS	CU, TOT	CYN, TOT
GW-54D	920803	17		20				0.034				
GW-54S	920803	15		5.5	0.024							
GW-55D	920805	340		1500	0.13			0.27				
GW-55S	920805	150		330				0.11				
GW-56D	920806	120		170				0.04				
GW-56S	920806	56		62				0.018				
GW-57D	920806	22		92								
GW-58D	920811	200		180				0.24				
GW-58S	920811	12		99								
GW-59D	920806	450		9600	28	0.72 J		6.5		2.6		
GW-59D	920806	450		9100	32			6.8		2.6		
GW-59S	920806	20		53								
GW-60D	920811	18										
GW-60S	920811	21		2.9								
GW-61D	920812	40		160								
GW-61S	920812	14		86								
GW-62BR	920813	320		1400				0.038				
GW-62BRD	930107	370		1100	0.044							
GW-62D	920811	43		87				0.041				
GW-62M	920811	20		41								
GW-62S	920811	27		39								
GW-63D	920812	42		69								
GW-63S	920812	24		67								
GW-64D	920812	43		110								
GW-64D	920812	50		110								
GW-64S	920812	11		62								
GW-65D	920813	33		59	0.026			0.42				
GW-65S	920813	21		58								
GW-66D	920811	26		47								
GW-66S	920811	17		37								
GW-68D	920806	42		77				0.22				
GW-69D	920806	250		2100	53			3.5		2		
GW-69S	920806	6.3		10								

SUMMARY OF DETECTED GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	CA, DISS	CA, TOT	CL, TOT	CR, DISS	CRHEXT	CR, TOT	CO, DISS	CO, TOT	CU, DISS	CU, TOT	CYN, TOT
GW-70D	920810	430		5200	0.19			7.9		0.33		
GW-70S	920810	18		52								
GW-73D	930420	37		86								
GW-73S	930420	27		3.7								
GW-74D	930420	52		71				0.017				
GW-74S	930420	54 J		71								
GW-75D	930507	34		64								
GW-75S	930507	17		34								
SL-01D	920810	31		11								
SL-01S	920810	6.5		4								
SL-06	920806	440		400				0.043				

concentration: mg/l

SUMMARY OF DETECTED GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	FE, DISS	FE, TOT	PB, TOT	MG, DISS	MG, TOT	MN, DISS	MN, TOT	HG, DISS	HG, TOT	NI, DISS	NI, TOT
B-03	920812	0.085			6.5		0.46					
IW-04	920812	4.8			1.3		0.18					
IW-11	920812		17			2.9		0.53		0.00029		
IW-11 *	920812		42	0.56								6.8
GW-04	920805				7.9		5					
GW-04D	920805	4.8			16		6.4					
GW-06D	920804	0.05			2.7		0.33					
GW-06S	920804	0.21			2.2		0.057					
GW-10D	920810	7.8			170		13				0.95	
GW-10S	920810	0.3			0.82		0.078					
GW-12	920810				3.1		0.02					
GW-17D	920805	0.028			16		12				0.044	
GW-18D	920806	0.058			14		0.35					
GW-19D	920804	29			6.1		0.89					
GW-22D	920812	1500			1400						4.4	
GW-22S	920812	0.85			3.2		0.88					
GW-25	920810	7			38		6.4				0.082	
GW-26	920810	2			0.62		0.069					
GW-27D	920812	57			470		66				2	
GW-27S	920812	0.075			15		4.6				0.058	
GW-28D	920810	2.2			8.1		1.4					
GW-28S	920810	0.7			0.98		0.21					
GW-29D	920810	8.5			4.3		0.41					
GW-29S	920810	1.5			3		0.17					
GW-30DR	920804	3200			1700		160		0.0011		6.1	
GW-31D	920803	11			1.6		0.83					
GW-31S	920803	2.5			1.1		1					
GW-32D	920803	2.4			5.8		2					
GW-32S	920803	0.16			3.2		0.79					
GW-33D	920803	0.85			0.8		0.063					
GW-33S	920803				0.41		0.055					
GW-34D	920804	1.7			100		5.8				0.28	
GW-34S	920804				0.56		0.63					

SUMMARY OF DETECTED GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	FE, DISS	FE, TOT	PB, TOT	MG, DISS	MG, TOT	MN, DISS	MN, TOT	HG, DISS	HG, TOT	NI, DISS	NI, TOT
GW-35D	920804	3300			1700		120		0.00055		5.8	
GW-35S	920804	9			4.5		0.52					
GW-36	920811	3000			1600		110		0.001		6.3	
GW-37	920811	1800			1200		150		0.00054		5.6	
GW-38	920804	1000			830		87		0.00033		3.6	
GW-39	920806	0.54			7.4		2.1					
GW-40D	920811	0.14 J			9.2		1.6 J					
GW-40D	920811	0.065 J			7.9		1.3					
GW-40S	920811	0.034			0.36		0.023					
GW-42D	920805	1900			1100		550		0.00049		7.6	
GW-42D	920805	1900			1200		550		0.0007		7 J	
GW-42S	920805	1.3			1.4		0.52					
GW-43D	920805	1400 J			630 J		56 J				1.6 J	
GW-43D	920805	780 J			340 J		120 J				3.3 J	
GW-43S	920805	0.072			0.25		0.083					
GW-44D	920812	2300			1000		160				5.2	
GW-44S	920812				2.9							
GW-45D	920810	1300			670		240				4.8	
GW-45S	920810				2.6		0.91					
GW-46D	920811	0.11			3.1		0.34					
GW-47	920813				0.83		0.035					
GW-48D	920812				3.5		0.02					
GW-48S	920812				1.6		0.094					
GW-49D	920812	68			12		9					
GW-50D	920805	19			130		17				0.16	
GW-50D	920805	20			110		17				0.13	
GW-50S	920806	0.027			17		2.3					
GW-51D	920805	0.22			9.6		16					
GW-51S	920805	0.43			3.1		2.7					
GW-52D	920804	3.7			2.6		0.13					
GW-52S	920804	0.77			2.4		0.079					
GW-53D	920804	0.35			3.1		0.46					
GW-53S	920804				0.44		0.024					

SUMMARY OF DETECTED GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	FE, DISS	FE, TOT	PB, TOT	MG, DISS	MG, TOT	MN, DISS	MN, TOT	HG, DISS	HG, TOT	NI, DISS	NI, TOT
GW-54D	920803	6.4			3.7		2.2					
GW-54S	920803	4.1			3.4		0.23					
GW-55D	920805	330			96		14				0.084	
GW-55S	920805	73			26		3.4				0.05	
GW-56D	920806				24		1.6					
GW-56S	920806	0.23			11		1.9					
GW-57D	920806				4.3		0.12					
GW-58D	920811	17			43		14				0.15	
GW-58S	920811				2		1					
GW-59D	920806	1700			630		350				5.4	
GW-59D	920806	1900			680		350				5.4	
GW-59S	920806	1.8			3		5.3					
GW-60D	920811	3.9			3.1		0.4					
GW-60S	920811	4.2			3.6		0.11					
GW-61D	920812				6.8		0.091					
GW-61S	920812				3.1		0.053					
GW-62BR	920813	5.3			240		23				0.14	
GW-62BRD	930107	61			160		3.9					
GW-62D	920811	1			14		3.2					
GW-62M	920811				4.8		0.43					
GW-62S	920811	5.7			4.6		2					
GW-63D	920812	4.5			6.6		0.72					
GW-63S	920812	0.22			1.9		0.21					
GW-64D	920812	30			12		1.4					
GW-64D	920812	32			14		1.1					
GW-64S	920812	0.43			2.3		0.17					
GW-65D	920813	19			5.9		0.52					
GW-65S	920813	8.9			3.4		1					
GW-66D	920811	0.13			5.2		1.6					
GW-66S	920811	0.49			3.8		2.4					
GW-68D	920806	1.4			6		2.1					
GW-69D	920806	86			220		18				1.2	
GW-69S	920806	0.04			1.3		0.5					

SUMMARY OF DETECTED GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	FE, DISS	FE, TOT	PB, TOT	MG, DISS	MG, TOT	MN, DISS	MN, TOT	HG, DISS	HG, TOT	NI, DISS	NI, TOT
GW-70D	920810	1100			610		450				3.4	
GW-70S	920810	0.87			4.9		4.8					
GW-73D	930420	3.5			12		0.35					
GW-73S	930420				1.6							
GW-74D	930420	1.1			11		0.85					
GW-74S	930420	1.8			11		0.85					
GW-75D	930507	1.1			7.8		1.6					
GW-75S	930507	1.1			1.6		0.28					
SL-01D	920810				1.6		0.18					
SL-01S	920810	0.053			0.95		0.11					
SL-06	920806				30		9.5					

concentration: mg/l

SUMMARY OF DETECTED GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	AMMONIA	K, DISS	K, TOT	AG, DISS	AG, TOT	NA, DISS	NA, TOT	SO4, TOT	V, DISS	V, TOT	ZN, DISS
B-03	920812		6.3				70		300 J			
IW-04	920812	2.6	2.5				51		33 J			
IW-11	920812			2.7				25	2.5 J			
IW-11 *	920812			7				10				
GW-04	920805	48	2.8				71		400 J			
GW-04D	920805	77	4.7				91		600			
GW-06D	920804	47	4.8				52		150			0.029
GW-06S	920804	4.1	4.9				5.2		530			
GW-10D	920810		5.1				1400		4900 J			1.3
GW-10S	920810	4.2	1				7.2		82 J			0.093
GW-12	920810		0.86				14		28 J			
GW-17D	920805	140	16				100		1700			0.051
GW-18D	920806	3.7	5.8				47		280 J			0.21
GW-19D	920804	160	5.8				130		420			
GW-22D	920812	2900	17						33000 J	0.32		9.5
GW-22S	920812		7.7				15		370 J			
GW-25	920810	6300	4.1				390		1700 J			1.2
GW-26	920810		1				110		31 J			0.33
GW-27D	920812		18				3800		18000 J			3.7
GW-27S	920812		0.83				160		1200 J			
GW-28D	920810		2.2				41		99 J			0.027
GW-28S	920810		1.4				30		63 J			
GW-29D	920810	230	3.3				480		510 J			0.031
GW-29S	920810	7.1	2.6				40		55 J			0.097
GW-30DR	920804	8000	14				17000		72000	2.3		13
GW-31D	920803	14	3.5				49		36	0.035		
GW-31S	920803	7.5	2.8				37		28			0.069
GW-32D	920803	25	5.1				340		130			
GW-32S	920803	0.19	2.4				55		13			0.1
GW-33D	920803	20	0.62				140		40			
GW-33S	920803	2.1	0.39				61		29			
GW-34D	920804	260	0.8				770		2800			0.64
GW-34S	920804	2.2	0.52				15		15			0.047

SUMMARY OF DETECTED GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	AMMONIA	K, DISS	K, TOT	AG, DISS	AG, TOT	NA, DISS	NA, TOT	SO4, TOT	V, DISS	V, TOT	ZN, DISS
GW-35D	920804	7000	15				16000		58000	1.8		13
GW-35S	920804	94	4.9				110		460			
GW-36	920811		16				16000		67000 J	1.8		13
GW-37	920811	5700	17				14000		49000 J	0.85		11
GW-38	920804	3200	6.6				8000		43000	0.25		7.1
GW-39	920806		3				13		390			
GW-40D	920811		6.8				220		1400 J			
GW-40D	920811	520	6.8				220		1100 J			
GW-40S	920811		3.2				2.6		49 J			0.043
GW-42D	920805	12000 J	62 J				21000		69000	0.69		13
GW-42D	920805	6400 J	57				22000		60000	0.6 J		12
GW-42S	920805		1.5				17		54			
GW-43D	920805	2900	23				6600 J		15000 J	0.34 J		5.9 J
GW-43D	920805	2600	31				3800 J		15000 J	0.15 J		2.7 J
GW-43S	920805	12	0.64				20		33 J			
GW-44D	920812		92				11000		39000 J	0.22		11
GW-44S	920812		2.4				26		36 J			0.029
GW-45D	920810	3400	110				8900		30000 J			9.3
GW-45S	920810	2.6	3.7				49		42 J			
GW-46D	920811		2.6				24		17 J			
GW-47	920813	2.7	1.6				2.5		12 J			
GW-48D	920812	0.13	1.4				12		13 J			
GW-48S	920812		1				8.3		32 J			
GW-49D	920812		9.3				42					
GW-50D	920805	1000	41				1400		20000 J			0.07
GW-50D	920805		42				1500		5500 J			0.077
GW-50S	920806		7.6				170		650 J			
GW-51D	920805	75	9.1				57		470			0.029
GW-51S	920805	17	2.4				15		410			0.034
GW-52D	920804	260	5.6				130		170	0.13		
GW-52S	920804	49	4				35		32			
GW-53D	920804	11	2.7				49		52			
GW-53S	920804	0.12	5.1				2		11			

SUMMARY OF DETECTED GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	AMMONIA	K, DISS	K, TOT	AG, DISS	AG, TOT	NA, DISS	NA, TOT	SO4, TOT	V, DISS	V, TOT	ZN, DISS
GW-54D	920803	21	4.1				24		100			0.038
GW-54S	920803	12	1				19		36			
GW-55D	920805	1400	32				1700		6500	0.085 J		0.095
GW-55S	920805		12				410		1700 J			0.036
GW-56D	920806		6.8				100		430 J			
GW-56S	920806		3.6				51		200 J			
GW-57D	920806		2.3				51		22			
GW-58D	920811		19				460		610 J			0.1
GW-58S	920811	0.65	3.6				66		34 J			
GW-59D	920806	3200	130				8900		31000 J	0.46		11
GW-59D	920806	3000	140				8400		34000 J	0.42		12
GW-59S	920806	3.6	5				53		24 J			
GW-60D	920811	0.21	3.4				29		9.6 J			
GW-60S	920811	0.27	4				31		18 J			0.055
GW-61D	920812		3.5				67		22 J			
GW-61S	920812		2.7				42		16 J			
GW-62BR	920813		34				1400		2900 J			0.028
GW-62BRD	930107	82	17				510		2600			
GW-62D	920811	3	3.5				54		89 J			
GW-62M	920811	1.3	3				28		33 J			
GW-62S	920811	1.3	8.6				25		41 J			
GW-63D	920812		3.9				38		25 J			
GW-63S	920812	0.14	8.3				44		23 J			
GW-64D	920812	8	7				76		160 J			
GW-64D	920812		7.8				86		160 J			
GW-64S	920812	0.33	3				38		14 J			
GW-65D	920813		4.1				24		28 J			0.026
GW-65S	920813	0.72	2.6				39		20 J			
GW-66D	920811	0.39	3.3				29		25 J			
GW-66S	920811	0.25	3.4				25		17 J			
GW-68D	920806	0.12	3.8				25		38 J			
GW-69D	920806		7.6				1800		9200 J			2.2
GW-69S	920806	0.8	7.2				9.3		14 J			

SUMMARY OF DETECTED GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	AMMONIA	K, DISS	K, TOT	AG, DISS	AG, TOT	NA, DISS	NA, TOT	SO4, TOT	V, DISS	V, TOT	ZN, DISS
GW-70D	920810		100		0.057		6000		16000 J	0.23		1.9
GW-70S	920810	4.5	4.1				40		150 J			
GW-73D	930420		5				31		25			
GW-73S	930420		2.3				2.1		9.7			
GW-74D	930420		5				32		24			
GW-74S	930420	0.1	5.2				31		21			
GW-75D	930507	37	12				56		50			
GW-75S	930507	0.28	3.9				13		18			0.025
SL-01D	920810		3.2				6		68 J			0.027
SL-01S	920810	0.83	5.6				2.6		24 J			0.1
SL-06	920806		24				280		1500 J			

concentration: mg/l

SUMMARY OF DETECTED GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	ZN, TOT
B-03	920812	
IW-04	920812	
IW-11	920812	0.43
IW-11 *	920812	4.3
GW-04	920805	
GW-04D	920805	
GW-06D	920804	
GW-06S	920804	
GW-10D	920810	
GW-10S	920810	
GW-12	920810	
GW-17D	920805	
GW-18D	920806	
GW-19D	920804	
GW-22D	920812	
GW-22S	920812	
GW-25	920810	
GW-26	920810	
GW-27D	920812	
GW-27S	920812	
GW-28D	920810	
GW-28S	920810	
GW-29D	920810	
GW-29S	920810	
GW-30DR	920804	
GW-31D	920803	
GW-31S	920803	
GW-32D	920803	
GW-32S	920803	
GW-33D	920803	
GW-33S	920803	
GW-34D	920804	
GW-34S	920804	

SUMMARY OF DETECTED GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	ZN, TOT
GW-35D	920804	
GW-35S	920804	
GW-36	920811	
GW-37	920811	
GW-38	920804	
GW-39	920806	
GW-40D	920811	
GW-40D	920811	
GW-40S	920811	
GW-42D	920805	
GW-42D	920805	
GW-42S	920805	
GW-43D	920805	
GW-43D	920805	
GW-43S	920805	
GW-44D	920812	
GW-44S	920812	
GW-45D	920810	
GW-45S	920810	
GW-46D	920811	
GW-47	920813	
GW-48D	920812	
GW-48S	920812	
GW-49D	920812	
GW-50D	920805	
GW-50D	920805	
GW-50S	920806	
GW-51D	920805	
GW-51S	920805	
GW-52D	920804	
GW-52S	920804	
GW-53D	920804	
GW-53S	920804	

SUMMARY OF DETECTED GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	ZN, TOT
GW-54D	920803	
GW-54S	920803	
GW-55D	920805	
GW-55S	920805	
GW-56D	920806	
GW-56S	920806	
GW-57D	920806	
GW-58D	920811	
GW-58S	920811	
GW-59D	920806	
GW-59D	920806	
GW-59S	920806	
GW-60D	920811	
GW-60S	920811	
GW-61D	920812	
GW-61S	920812	
GW-62BR	920813	
GW-62BRD	930107	
GW-62D	920811	
GW-62M	920811	
GW-62S	920811	
GW-63D	920812	
GW-63S	920812	
GW-64D	920812	
GW-64D	920812	
GW-64S	920812	
GW-65D	920813	
GW-65S	920813	
GW-66D	920811	
GW-66S	920811	
GW-68D	920806	
GW-69D	920806	
GW-69S	920806	

SUMMARY OF DETECTED GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	ZN, TOT
GW-70D	920810	
GW-70S	920810	
GW-73D	930420	
GW-73S	930420	
GW-74D	930420	
GW-74S	930420	
GW-75D	930507	
GW-75S	930507	
SL-01D	920810	
SL-01S	920810	
SL-06	920806	

concentration: mg/l

TAB 12

AVERAGE DETECTED CONCENTRATIONS FOR ROUND 1&2 GROUNDWATER DATA

AVERAGE DETECTED CONCENTRATIONS FOR GROUNDWATER DATA

OLIN - WILMINGTON FACILITY

CHEMICAL	# ANALYSIS	# DETECTED	AVG DET CONC	MAX DET CONC	MIN DET CONC	UNITS
VOCs (GROUNDWATER)						
1,1,1-TRICHLOROETHANE	224	24	6.33	22.00	1.00	UG/L
1,1,2,2-TETRACHLOROETHANE	224	1	1.00	1.00	1.00	UG/L
1,1-DICHLOROETHANE	224	16	5.31	20.00	2.00	UG/L
1,1-DICHLOROETHENE	224	7	2.43	4.00	1.00	UG/L
1,2-DICHLOROETHANE	224	40	7.43	27.00	1.00	UG/L
1,2-DICHLOROETHENE, TOTAL	224	21	17.57	93.00	1.00	UG/L
2,4,4-TRIMETHYL-1-PENTENE	224	56	869.09	41000.00	2.00	UG/L
2,4,4-TRIMETHYL-2-PENTENE	224	48	308.75	12000.00	1.00	UG/L
2-BUTANONE	224	26	58.38	1200.00	1.00	UG/L
2-HEXANONE	224	1	37.00	37.00	37.00	UG/L
4-METHYL-2-PENTANONE	223	9	181.67	1400.00	3.00	UG/L
ACETONE	224	89	445.53	13000.00	1.00	UG/L
BENZENE	224	22	11.14	120.00	1.00	UG/L
BROMODICHLOROMETHANE	224	28	10.18	46.00	1.00	UG/L
BROMOFORM	224	43	73.35	750.00	1.00	UG/L
CARBON DISULFIDE	224	34	10.18	36.00	1.00	UG/L
CARBON TETRACHLORIDE	224	11	7.27	16.00	2.00	UG/L
CHLOROBENZENE	224	16	8.31	53.00	1.00	UG/L
CHLOROETHANE	224	2	34.00	49.00	19.00	UG/L
CHLOROFORM	224	50	19.74	94.00	1.00	UG/L
CHLOROMETHANE	224	14	3.36	7.00	1.00	UG/L
DIBROMOCHLOROMETHANE	224	30	29.87	250.00	1.00	UG/L
ETHYLBENZENE	224	16	26.31	250.00	1.00	UG/L
METHYLENE CHLORIDE	224	15	5.87	13.00	2.00	UG/L
TETRACHLOROETHENE	224	5	1.60	4.00	1.00	UG/L
TOLUENE	224	54	306.76	12000.00	1.00	UG/L
TRICHLOROETHENE	224	39	20.33	460.00	1.00	UG/L
VINYL CHLORIDE	224	4	7.50	13.00	2.00	UG/L
XYLENES, TOTAL	224	12	122.17	750.00	1.00	UG/L

AVERAGE DETECTED CONCENTRATIONS FOR GROUNDWATER DATA

OLIN - WILMINGTON FACILITY

CHEMICAL	# ANALYSIS	# DETECTED	AVG DET CONC	MAX DET CONC	MIN DET CONC	UNITS
BNAs (GROUNDWATER)						
1,2,4-TRICHLOROBENZENE	224	10	2.80	7.00	1.00	UG/L
1,2-DICHLOROBENZENE	224	16	15.88	130.00	1.00	UG/L
1,3-DICHLOROBENZENE	224	43	1.42	3.00	1.00	UG/L
1,4-DICHLOROBENZENE	224	19	2.21	5.00	1.00	UG/L
2,4,6-TRICHLOROPHENOL	224	2	1.00	1.00	1.00	UG/L
2,4-DICHLOROPHENOL	224	17	2.00	3.00	1.00	UG/L
2,4-DIMETHYLPHENOL	224	4	4.50	7.00	1.00	UG/L
2,4-DINITROPHENOL	224	1	2.00	2.00	2.00	UG/L
2,6-DINITROTOLUENE	224	7	3.00	5.00	1.00	UG/L
2-CHLOROPHENOL	224	14	2.29	6.00	1.00	UG/L
2-METHYLNAPHTHALENE	224	4	22.75	87.00	1.00	UG/L
2-METHYLPHENOL	224	29	6.31	20.00	1.00	UG/L
2-NITROPHENOL	224	40	65.05	220.00	1.00	UG/L
4,6-DINITRO-2-METHYLPHENOL	224	1	3.00	3.00	3.00	UG/L
4-BROMOPHENYL PHENYL ETHER	224	22	9.73	44.00	1.00	UG/L
4-CHLORO-3-METHYLPHENOL	224	2	4.00	6.00	2.00	UG/L
4-CHLOROANILINE	224	2	6.00	10.00	2.00	UG/L
4-CHLOROPHENYL PHENYL ETHER	224	11	5.00	15.00	1.00	UG/L
4-METHYLPHENOL	224	34	26.88	86.00	1.00	UG/L
4-NITROANILINE	224	3	2.67	3.00	2.00	UG/L
4-NITROPHENOL	224	49	75.49	330.00	1.00	UG/L
BENZOIC ACID	224	25	14.04	61.00	1.00	UG/L
BENZYL ALCOHOL	224	27	3.63	9.00	1.00	UG/L
BIS(2-ETHYLHEXYL)PHTHALATE	224	33	172458.42	5500000.00	1.00	UG/L
DI-N-BUTYLPHTHALATE	224	6	1.50	2.00	1.00	UG/L
DI-N-OCTYLPHTHALATE	224	6	1817.33	6400.00	1.00	UG/L
DIBENZOFURAN	224	9	1.56	2.00	1.00	UG/L
DIETHYLPHTHALATE	224	2	1.00	1.00	1.00	UG/L
FLUORENE	224	1	19.00	19.00	19.00	UG/L
INDENO(1,2,3-CD)PYRENE	224	1	1400.00	1400.00	1400.00	UG/L
ISOPHORONE	224	11	2.91	8.00	1.00	UG/L
N-NITROSODIPHENYLAMINE	224	57	8594.39	470000.00	1.00	UG/L
NAPHTHALENE	223	39	17.33	88.00	1.00	UG/L
PHENOL	224	55	350.58	1600.00	1.00	UG/L

AVERAGE DETECTED CONCENTRATIONS FOR GROUNDWATER DATA

OLIN - WILMINGTON FACILITY

CHEMICAL	# ANALYSIS	# DETECTED	AVG DET CONC	MAX DET CONC	MIN DET CONC	UNITS
PESTICIDES (GROUNDWATER)						
4,4'-DDD	224	1	0.10	0.10	0.10	UG/L
4,4'-DDT	224	3	0.15	0.22	0.10	UG/L
ALDRIN	224	3	0.08	0.10	0.07	UG/L
ALPHA-BHC	224	39	0.11	0.30	0.05	UG/L
BETA-BHC	224	11	0.08	0.12	0.05	UG/L
DELTA-BHC	224	5	0.08	0.14	0.05	UG/L
DIELDRIN	224	1	0.14	0.14	0.14	UG/L
ENDOSULFAN I	224	3	0.10	0.19	0.05	UG/L
ENDOSULFAN SULFATE	224	1	0.11	0.11	0.11	UG/L
ENDRIN ALDEHYDE	224	3	0.11	0.14	0.10	UG/L
GAMMA-BHC (LINDANE)	224	13	0.09	0.15	0.05	UG/L
HEPTACHLOR	224	2	0.06	0.06	0.05	UG/L
HEPTACHLOR EPOXIDE	224	7	0.06	0.09	0.05	UG/L

AVERAGE DETECTED CONCENTRATIONS FOR GROUNDWATER DATA

OLIN - WILMINGTON FACILITY

CHEMICAL	# ANALYSIS	# DETECTED	AVG DET CONC	MAX DET CONC	MIN DET CONC	UNITS
INORGANICS (GROUNDWATER)						
ALUMINUM, DISSOLVED	223	100	395.00	2400.00	0.11	MG/L
ANTIMONY, DISSOLVED	223	6	0.01	0.01	0.01	MG/L
ARSENIC, DISSOLVED	223	26	0.02	0.05	0.01	MG/L
BARIUM, DISSOLVED	223	211	0.03	0.30	0.01	MG/L
BERYLLIUM, DISSOLVED	223	30	0.11	0.26	0.02	MG/L
CADMIUM, DISSOLVED	223	35	0.08	0.15	0.01	MG/L
CALCIUM, DISSOLVED	223	223	133.46	620.00	1.20	MG/L
CHLORIDE, TOTAL	225	219	1585.07	23000.00	2.80	MG/L
CHROMIUM, DISSOLVED	223	73	453.00	3600.00	0.02	MG/L
CHROMIUM, HEXAVALENT, DISS	11	9	20.59	39.00	0.72	MG/L
CHROMIUM, HEXAVALENT, TOTAL	11	10	25.97	64.00	0.87	MG/L
COBALT, DISSOLVED	223	85	2.04	11.00	0.02	MG/L
COPPER, DISSOLVED	223	46	3.09	13.00	0.04	MG/L
IRON, DISSOLVED	223	181	306.11	3400.00	0.03	MG/L
MAGNESIUM, DISSOLVED	223	222	148.79	1700.00	0.25	MG/L
MANGANESE, DISSOLVED	222	218	34.75	580.00	0.01	MG/L
MERCURY, DISSOLVED	223	5	0.60	1.20	0.22	UG/L
MERCURY, DISSOLVED	223	7	0.00	0.00	0.00	MG/L
NICKEL, DISSOLVED	223	56	2.48	7.60	0.04	MG/L
NITRATE AS N	11	10	14.11	24.00	3.00	MG/L
NITRITE AS N	11	6	0.21	0.34	0.08	MG/L
NITROGEN-AMMONIA AS N	193	169	522.14	12000.00	0.10	MG/L
POTASSIUM, DISSOLVED	223	223	14.18	340.00	0.39	MG/L
SILVER, DISSOLVED	223	6	0.08	0.25	0.02	MG/L
SODIUM, DISSOLVED	222	222	1679.44	22000.00	1.30	MG/L
SULFATE, TOTAL	225	222	6286.72	87000.00	2.50	MG/L
VANADIUM, DISSOLVED	223	35	0.53	2.30	0.04	MG/L
ZINC, DISSOLVED	223	97	2.93	14.00	0.03	MG/L

TAB 13

SUMMARY OF DETECTED ROUND 1&2 SURFACE WATER DATA

SUMMARY OF DETECTED ROUND 1 & 2 SURFACE WATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	11. TCE	11DCLE	12DCE	244TM1P	244TM2P	MEK	MNBK	MIBK	ACET	BRDCLM	CHBR3
SW-01	920831	7	3									
SW-01	921130	6	3 J									
SW-02	920831	3	1		14	3						
SW-02	921130	4 J			23	6 J						
SW-03	920831	3	1		9					17		
SW-03	921130	3 J	1 J		17	5 J						
SW-04	921130	1 J			4 J							
SW-05	921130	1 J			4 J							
SW-06	921201				5 J							
SW-06	921201				2 J							
SW-07	920901									1		
SW-07	921201				5 J	2 J						
SW-09	921201				6 J	2 J						
SW-10	921201				11	5 J						1 J
SW-11	920901				4							
SW-11	921201				13	3 J						1 J
SW-12	920902									9		
SW-14	920901				4							
SW-14	921201				28	10						3 J
SW-15	920902				34	16		21		15		
SW-15	921202				200	81						
SW-16	920902	2								21	2	7
SW-16	921202											1 J
SW-17	920901				3							2
SW-17	920901				4							2
SW-17	921202											2 J
SW-17	921202				6 J	2 J	18			93		3 J
SW-18	920902							1		8		
SW-23	921202			5	5 J	1 J						
SW-24	930107			10	4 J				1 J			
SW-25	930325			8	5 J	1 J			2 J			
SW-26	930325			7	3 J	1 J						
SW-27	930325			3 J		2 J			1 J			

SUMMARY OF DETECTED ROUND 1 & 2 SURFACE WATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	111TCE	11DCLE	12DCE	244TM1P	244TM2P	MEK	MNBK	MIBK	ACET	BRDCLM	CHBR3
SW-28	930325			1 J								
SW-29	930420	3 J	6					33				
SW-30	930420		7					39				

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 SURFACE WATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	CS2	CCL4	C2H5CL	ETC6H5	CCL3	DBRCLM	C2CL2	C2CL2	MEC6H5	TRCLE	C2H3CL
SW-01	920831			5						2	2	
SW-01	921130			14						19	1 J	
SW-02	920831										1	
SW-02	921130							3 J		9	1 J	
SW-03	920831										1	
SW-03	921130			5 J				1 J	3 J	5		
SW-04	921130								2 J			
SW-05	921130								3 J			
SW-06	921201											
SW-06	921201											
SW-07	920901											
SW-07	921201											
SW-09	921201											
SW-10	921201											
SW-11	920901											
SW-11	921201											
SW-12	920902											
SW-14	920901											
SW-14	921201											
SW-15	920902		1			1						
SW-15	921202											
SW-16	920902	2				3	3					
SW-16	921202											
SW-17	920901											
SW-17	920901											
SW-17	921202											
SW-17	921202						1 J					
SW-18	920902											
SW-23	921202									42	6	
SW-24	930107			2 J	1 J					76	13	2 J
SW-25	930325			1 J				1 J		70	12	2 J
SW-26	930325			1 J				2 J		56	10	2 J
SW-27	930325							1 J		26	4 J	

SUMMARY OF DETECTED ROUND 1 & 2 SURFACE WATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	CS2	CCL4	C2H5CL	ETC6H5	CCL3	DBRCLM	C2CL2	C2CL2	MEC6H5	TRCLE	C2H3CL
SW-28	930325							1 J		5	3 J	
SW-29	930420			13	2 J					140		
SW-30	930420			26	3 J					240		

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 SURFACE WATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	TXYLEN
SW-01	920831	
SW-01	921130	7
SW-02	920831	
SW-02	921130	
SW-03	920831	
SW-03	921130	
SW-04	921130	
SW-05	921130	
SW-06	921201	
SW-06	921201	
SW-07	920901	
SW-07	921201	
SW-09	921201	
SW-10	921201	
SW-11	920901	
SW-11	921201	
SW-12	920902	
SW-14	920901	
SW-14	921201	
SW-15	920902	
SW-15	921202	
SW-16	920902	
SW-16	921202	
SW-17	920901	
SW-17	920901	
SW-17	921202	
SW-17	921202	
SW-18	920902	
SW-23	921202	
SW-24	930107	
SW-25	930325	6
SW-26	930325	5
SW-27	930325	

SUMMARY OF DETECTED ROUND 1 & 2 SURFACE WATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	TXYLEN
SW-28	930325	
SW-29	930420	16
SW-30	930420	22

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 SURFACE WATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	124TCB	13DCLB	14DCLB	2MP	BAANTR		4NP	BAPYR	BBFANT	BKFANT	B2EHP
SW-01	921130											3 J
SW-02	921130											3 J
SW-03	921130											7 J
SW-04	921130											5 J
SW-05	920831											
SW-05	921130											4 J
SW-06	921201											
SW-06	921201											20
SW-07	920901											
SW-07	921201											5 J
SW-08	920901											48
SW-08	921201											
SW-09	921201											9 J
SW-10	921201											2 J
SW-11	921201											3 J
SW-13	921201											
SW-14	921201											
SW-15	921202	2 J		2 J								
SW-15	920902	4 J	1 J	1 J		10 J			7 J	11 J	5 J	3 J
SW-16	921202							3 J	1 J			
SW-17	921202							3 J				
SW-17	920901											
SW-17	921202							2 J				6 J
SW-17	920901											
SW-18	921202											
SW-20	921201											7 J
SW-22	921201											2 J
SW-23	921202											3 J
SW-24	930107											14
SW-25	930325				1 J		1 J					2 J
SW-26	930325				1 J							74
SW-27	930325											11
SW-28	930325											4 J

SUMMARY OF DETECTED ROUND 1 & 2 SURFACE WATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	124TCB	13DCLB	14DCLB	2MP	BAANTR		4NP	BAPYR	BBFANT	BKFANT	B2EHP
SW-29	930420				4 J							
SW-30	930420				6 J							

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 SURFACE WATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	CHRY	DNBP	DNOP	FANT	ICDPYR	NNDPA	PHANTR	PHENOL	PYR
SW-01	921130									
SW-02	921130									
SW-03	921130								1 J	
SW-04	921130									
SW-05	920831				2					1
SW-05	921130									
SW-06	921201			13			3 J			
SW-06	921201			4 J			2 J			
SW-07	920901						1			
SW-07	921201						2 J			
SW-08	920901									
SW-08	921201			1 J						
SW-09	921201						2 J			
SW-10	921201						2 J			
SW-11	921201						2 J		1 J	
SW-13	921201		1 J							
SW-14	921201						3 J		2 J	
SW-15	921202						31		2 J	
SW-15	920902	16 J			33 J	4 J	2 J	12 J	3 J	17 J
SW-16	921202								3 J	
SW-17	921202						3 J			
SW-17	920901								2	
SW-17	921202						4 J		2 J	
SW-17	920901								2	
SW-18	921202			1 J						
SW-20	921201			6 J						
SW-22	921201									
SW-23	921202						2 J			
SW-24	930107									
SW-25	930325									
SW-26	930325									
SW-27	930325									
SW-28	930325									

SUMMARY OF DETECTED ROUND 1 & 2 SURFACE WATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	CHRY	DNBP	DNOP	FANT	ICDPYR	NNDPA	PHANTR	PHENOL	PYR
SW-29	930420									
SW-30	930420									

concentration: ug/l

SUMMARY OF DETECTED ROUND 1 & 2 SURFACE WATER DATA - PESTICIDE's

OLIN - WILMINGTON FACILITY

WELL	DATE	ABHC	BBHC	DBHC	ESFSO4	ENDRNA	LIN	HPCLE
SW-05	920831					0.11		
SW-15	920902	0.18		0.24	0.49	0.1	0.05	0.1
SW-15	921202							0.18

concentration: ug/l

SUMMARY OF DETECED ROUND 1 & 2 SURFACE WATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	AL, TOT	AS, TOT	BA, TOT	CA, TOT	CL, TOT	CRHEXT	CR, TOT	CO, TOT	CU, TOT	FE, TOT	PB, TOT
SW-01	920831			0.018	26	48					2.400	
SW-01	921130		0.006	0.021	26	47					2.300	
SW-02	920831			0.017	26	50					1.200	
SW-02	921130			0.020	26	48					1.200	
SW-03	920831			0.019	26	48					1.400	
SW-03	921130			0.021	26	47					0.920	
SW-04	920831			0.013	25	47					1.000	
SW-04	921130	0.290		0.021	26	44					0.490	
SW-05	920831	0.170		0.015	25	48					1.500	
SW-05	921130	0.830		0.021	29	57		0.075			0.900	
SW-06	920831	0.390		0.017	38	73		0.044			2.400	
SW-06	921201	3.800		0.024	38	170	0.028 J	0.390			2.400	
SW-06	921201	2.700		0.018	32	170	0.033 J	0.250			1.900	
SW-07	920901	0.720		0.019	57	150		0.120	0.021		0.970	
SW-07	921201	12.000		0.019	27	140		1.700			3.200	
SW-08	920901	0.640		0.010	52	160		0.180			0.560	
SW-08	921201	1.100		0.017	80	140	0.074 J	0.057			0.350	
SW-09	920901	0.150		0.009	32	180		0.027			0.400	
SW-09	921201	4.700		0.016	23	190		0.720			2.700	
SW-10	920901	0.340		0.010	32	170		0.054			0.480	
SW-10	921201	2.400		0.017	24	190		0.440			2.200	
SW-11	920901	0.200		0.011	29	170		0.034			0.640	
SW-11	921201	3.000		0.016	25	190		0.520	0.025		2.400	
SW-12	920902	0.310	0.005	0.008	6.8	220					2.100	
SW-12	921201	0.170	0.012	0.007	4	260					0.380	
SW-13	920902				6.8	220					0.230 J	
SW-13	921201	0.210	0.005	0.009	6.9	180					0.200	
SW-14	920901	1.700		0.020	40	96		0.320			3.200	
SW-14	921201	6.900		0.029	38	170		1.200	0.046		5.100	
SW-15	920902	59.000	0.015	0.019	14	220		0.550		0.080	10.000	0.020
SW-15	921202			0.040	15	130					0.330	
SW-16	920902	24.000	0.014	0.034	32	590		12.000	0.046	0.076	57.000	0.024
SW-16	921202	34.000		0.027	37	200	0.200 J	9.900	0.110	0.120	28.000	0.015

SUMMARY OF DETECED ROUND 1 & 2 SURFACE WATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	AL, TOT	AS, TOT	BA, TOT	CA, TOT	CL, TOT	CRHEXT	CR, TOT	CO, TOT	CU, TOT	FE, TOT	PB, TOT
SW-17	920901	52.000		0.026	58	160	0.400 J	11.000	0.089	0.055	14.000	
SW-17	920901	29.000 J	0.018	0.027	54	180	0.250 J	5.400	0.079	0.075	26.000	0.015
SW-17	921202	17.000 J		0.021	36	94	0.051 J	2.800 J			6.600	
SW-17	921202	8.100 J		0.025	38	100	0.051 J	1.500 J	0.016		4.600	
SW-18	920902	8.500		0.026	24	44		0.560		0.030	2.800	0.008
SW-18	921202	0.320		0.018	19	32		0.032			0.048	
SW-19	921203	8.800		0.040	140	30		0.077			1.400	
SW-20	921201	21.000	0.250	0.055	30	21		0.130	0.020		72.000	0.180
SW-21	921201	5.900		0.032	30	19					0.450	
SW-22	921201	1.200		0.026	41	13					4.300	
SW-23	921202	3.200		0.020	32	95	0.024 J	0.400			1.600	
SW-24	930107	3.5	0.008	0.024	34	87		0.41			5.4	
SW-25	930325	1.4		0.02	30	71		0.17			1.5	
SW-26	930325	2.3	0.035	0.024	31	69		0.27			4.2	0.026
SW-27	930325	1.9	0.037	0.039	34	87		0.22			5	0.03
SW-28	930325	0.39		0.031	26	210		0.022			1.1	0.006
SW-29	930420		0.005	0.029	32	92					2.1	
SW-30	930420		0.006	0.029	32	92					2.3	

concentration: mg/l

SUMMARY OF DETECED ROUND 1 & 2 SURFACE WATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	MG, TOT	MN, TOT	HG, TOT	NI, TOT	NO3	NO2	AMMONIA AS N	K, TOT	NA, TOT	SO4, TOT	V, TOT
SW-01	920831	3.8	0.270					0.230	2.5	31	23 J	
SW-01	921130	3.7	0.290					0.340	3.3	30	27	
SW-02	920831	4.0	0.360					0.690	2.5	33	24 J	
SW-02	921130	3.8	0.350					0.520	3.2	33	26	
SW-03	920831	4.0	0.390					1.700	2.7	33	25 J	
SW-03	921130	3.9	0.400					1.800	3.0	34	31	
SW-04	920831	3.9	0.240					2.200	2.7	33	32 J	
SW-04	921130	3.6	0.440					2.900	3.1	33	42	
SW-05	920831	3.9	0.270					2.500	3.1	34	33 J	
SW-05	921130	4.4	0.640					10.000	2.8	50	97	
SW-06	920831	7.0	0.910					8.300	3.1	77	130 J	
SW-06	921201	7.6	1.400			5.800 J	0.610	58.000	2.5	160	390	
SW-06	921201	7.0	1.100			5.900 J	0.052	60.000	2.5	160	410	
SW-07	920901	11.0	1.800					110.000	9.4	150	590 J	
SW-07	921201	5.8	0.980					43.000	2.4	130	290	
SW-08	920901	6.6	0.280					63.000	2.2	170	450 J	
SW-08	921201	5.6	0.480			6.600 J	0.085	55.000	2.8	120	530	
SW-09	920901	6.0	0.440					40.000	2.5	200	310 J	
SW-09	921201	6.1	0.820					38.000	2.7	190	330	
SW-10	920901	5.3	0.600					47.000	2.5	200	480 J	
SW-10	921201	6.2	1.100					45.000	2.6	180	330	
SW-11	920901	6.0	0.670					41.000	2.6	200	230 J	
SW-11	921201	6.2	1.100					50.000	2.6	190	380	
SW-12	920902	3.7	0.054					0.160	3.7	290	83 J	
SW-12	921201	2.3	0.017						2.8	260	78	
SW-13	920902	3.7							3.4	280	97 J	
SW-13	921201	1.9	0.013			6.400 J	0.054	0.260	2.3	180	76	
SW-14	920901	8.2	1.800					65.000	2.1	92	400 J	
SW-14	921201	12.0	2.300		0.049			85.000	2.5	150	600	
SW-15	920902	4.8	0.400	0.00083				83.000	3.2	160	380 J	
SW-15	921202	2.4	0.220					44.000	1.3	120	280	
SW-16	920902	7.7	2.800					380.000	4.0	120	3000 J	
SW-16	921202	17.0	4.400		0.110	0.200 J		110.000	3.7	210	830	

SUMMARY OF DETECED ROUND 1 & 2 SURFACE WATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	MG, TOT	MN, TOT	HG, TOT	NI, TOT	NO3	NO2	AMMONIA AS N	K, TOT	NA, TOT	SO4, TOT	V, TOT
SW-17	920901	21.0	4.000		0.082			120.000	4.4	220	760 J	
SW-17	920901	21.0	4.200		0.071			89.000	4.5	200	520 J	
SW-17	921202	9.7	1.200			1.100 J		69.000	1.9	110	290	
SW-17	921202	8.7	1.600			1.300 J		74.000	2.3	130	400	
SW-18	920902	2.7	0.230					13.000	1.9	31	110 J	
SW-18	921202	2.0	0.160					3.900	1.2	25	78	
SW-19	921203	3.1	0.600					22.000	1.5	33	390	
SW-20	921201	3.5	0.760	0.00094				0.590	1.4	15	240	0.19
SW-21	921201	2.5	0.740					2.400	0.5	18	290	
SW-22	921201	1.8	0.600						0.6	7	120	
SW-23	921202	6.3	0.850			2.300 J		34.000	2.5	81	270	
SW-24	930107	6.2	1.1					24	3.9	70	190	
SW-25	930325	5.2	0.87					19	3.6	51	150	
SW-26	930325	5.3	0.87					18	3.9	51	150	
SW-27	930325	6.7	0.95					22	6.6	64	27	
SW-28	930325	1.6	0.28					5.9	4.5	120	32	
SW-29	930420	4.3	0.24						3.5	46	26	
SW-30	930420	4.3	0.26					0.16	3.7	50	26	

concentration: mg/l

SUMMARY OF DETECED ROUND 1 & 2 SURFACE WATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	ZN, TOT
SW-01	920831	0.032
SW-01	921130	0.046
SW-02	920831	0.032
SW-02	921130	0.044
SW-03	920831	
SW-03	921130	0.037
SW-04	920831	
SW-04	921130	0.037
SW-05	920831	0.030
SW-05	921130	0.039
SW-06	920831	0.044
SW-06	921201	0.077
SW-06	921201	0.062
SW-07	920901	0.063
SW-07	921201	0.076
SW-08	920901	
SW-08	921201	0.040
SW-09	920901	0.027
SW-09	921201	0.052
SW-10	920901	0.032
SW-10	921201	0.061
SW-11	920901	0.031
SW-11	921201	0.054
SW-12	920902	
SW-12	921201	
SW-13	920902	
SW-13	921201	0.026
SW-14	920901	0.065
SW-14	921201	0.110
SW-15	920902	0.044
SW-15	921202	
SW-16	920902	0.130
SW-16	921202	0.190

SUMMARY OF DETECED ROUND 1 & 2 SURFACE WATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	ZN, TOT
SW-17	920901	0.180
SW-17	920901	0.190
SW-17	921202	0.096
SW-17	921202	0.085
SW-18	920902	0.077
SW-18	921202	
SW-19	921203	0.079
SW-20	921201	0.096
SW-21	921201	0.053
SW-22	921201	0.074
SW-23	921202	0.066
SW-24	930107	0.084
SW-25	930325	0.083
SW-26	930325	0.13
SW-27	930325	0.2
SW-28	930325	0.097
SW-29	930420	0.035
SW-30	930420	0.03

concentration: mg/l

TAB 14

AVERAGE DETECTED CONCENTRATIONS FOR ROUND 1&2 SURFACE WATER DATA

AVERAGE DETECTED CONCENTRATIONS FOR SURFACE WATER DATA

OLIN - WILMINGTON FACILITY

CHEMICAL	# ANALYSIS	# DETECTED	AVG DET CONC	MAX DET CONC	MIN DET CONC	UNITS
VOCs (SURFACE WATER)						
1,1,1-TRICHLOROETHANE	51	10	3.30	7.00	1.00	UG/L
1,1-DICHLOROETHANE	51	7	3.14	7.00	1.00	UG/L
1,2-DICHLOROETHENE, TOTAL	51	6	5.67	10.00	1.00	UG/L
2,4,4-TRIMETHYL-1-PENTENE	51	24	17.21	200.00	2.00	UG/L
2,4,4-TRIMETHYL-2-PENTENE	51	15	9.33	81.00	1.00	UG/L
2-BUTANONE	51	1	18.00	18.00	18.00	UG/L
2-HEXANONE	51	4	23.50	39.00	1.00	UG/L
4-METHYL-2-PENTANONE	51	3	1.33	2.00	1.00	UG/L
ACETONE	51	7	23.43	93.00	1.00	UG/L
BROMODICHLOROMETHANE	51	1	2.00	2.00	2.00	UG/L
BROMOFORM	51	9	2.44	7.00	1.00	UG/L
CARBON DISULFIDE	51	1	2.00	2.00	2.00	UG/L
CARBON TETRACHLORIDE	51	1	1.00	1.00	1.00	UG/L
CHLOROETHANE	51	8	8.38	26.00	1.00	UG/L
CHLOROFORM	51	2	2.00	3.00	1.00	UG/L
DIBROMOCHLOROMETHANE	51	2	2.00	3.00	1.00	UG/L
ETHYLBENZENE	51	5	2.00	3.00	1.00	UG/L
METHYLENE CHLORIDE	51	7	1.86	3.00	1.00	UG/L
TOLUENE	51	12	57.50	240.00	2.00	UG/L
TRICHLOROETHENE	51	11	4.91	13.00	1.00	UG/L
VINYL CHLORIDE	51	3	2.00	2.00	2.00	UG/L
XYLENES, TOTAL	51	5	11.20	22.00	5.00	UG/L

AVERAGE DETECTED CONCENTRATIONS FOR SURFACE WATER DATA

OLIN - WILMINGTON FACILITY

CHEMICAL	# ANALYSIS	# DETECTED	AVG DET CONC	MAX DET CONC	MIN DET CONC	UNITS
BNAS (SURFACE WATER)						
1,2,4-TRICHLOROBENZENE	51	2	3.00	4.00	2.00	UG/L
1,3-DICHLOROBENZENE	51	1	1.00	1.00	1.00	UG/L
1,4-DICHLOROBENZENE	51	2	1.50	2.00	1.00	UG/L
2-METHYLPHENOL	51	4	3.00	6.00	1.00	UG/L
4-METHYLPHENOL	51	1	1.00	1.00	1.00	UG/L
4-NITROPHENOL	51	3	2.67	3.00	2.00	UG/L
BENZO(A)ANTHRACENE	51	1	10.00	10.00	10.00	UG/L
BENZO(A)PYRENE	51	2	4.00	7.00	1.00	UG/L
BENZO(B)FLUORANTHENE	51	1	11.00	11.00	11.00	UG/L
BENZO(K)FLUORANTHENE	51	1	5.00	5.00	5.00	UG/L
BIS(2-ETHYLHEXYL)PHTHALATE	51	21	11.19	74.00	2.00	UG/L
CHRYSENE	51	1	16.00	16.00	16.00	UG/L
DI-N-BUTYLPHTHALATE	51	1	1.00	1.00	1.00	UG/L
DI-N-OCTYLPHTHALATE	51	5	5.00	13.00	1.00	UG/L
FLUORANTHENE	51	2	17.50	33.00	2.00	UG/L
INDENO(1,2,3-CD)PYRENE	51	1	4.00	4.00	4.00	UG/L
N-NITROSODIPHENYLAMINE	51	13	4.54	31.00	1.00	UG/L
PHENANTHRENE	51	1	12.00	12.00	12.00	UG/L
PHENOL	51	9	2.00	3.00	1.00	UG/L
PYRENE	51	2	9.00	17.00	1.00	UG/L

AVERAGE DETECTED CONCENTRATIONS FOR SURFACE WATER DATA

OLIN - WILMINGTON FACILITY

CHEMICAL	#ANALYSIS	#DETECTED	AVG DET CONC	MAX DET CONC	MIN DET CONC	UNITS
PESTICIDES (SURFACE WATER)						
ALPHA-BHC	51	1	0.18	0.18	0.18	UG/L
DELTA-BHC	51	1	0.24	0.24	0.24	UG/L
ENDOSULFAN SULFATE	51	1	0.49	0.49	0.49	UG/L
ENDRIN ALDEHYDE	51	2	0.11	0.11	0.10	UG/L
GAMMA-BHC (LINDANE)	51	1	0.05	0.05	0.05	UG/L
HEPTACHLOR EPOXIDE	51	2	0.14	0.18	0.10	UG/L

AVERAGE DETECTED CONCENTRATIONS FOR SURFACE WATER DATA

OLIN - WILMINGTON FACILITY

CHEMICAL	# ANALYSIS	# DETECTED	AVG DET CONC	MAX DET CONC	MIN DET CONC	UNITS
INORGANICS (SURFACE WATER)						
ALUMINUM, TOTAL	51	40	8.11	59.00	0.15	MG/L
ARSENIC, TOTAL	51	13	0.03	0.25	0.01	MG/L
BARIUM, TOTAL	51	50	0.02	0.06	0.01	MG/L
CALCIUM, TOTAL	51	51	32.77	140.00	4.00	MG/L
CHLORIDE, TOTAL	51	51	124.69	590.00	13.00	MG/L
CHROMIUM, HEXAVALENT, TOTAL	10	9	0.12	0.40	0.02	MG/L
CHROMIUM, TOTAL	51	33	1.56	12.00	0.02	MG/L
COBALT, TOTAL	51	9	0.05	0.11	0.02	MG/L
COPPER, TOTAL	51	6	0.07	0.12	0.03	MG/L
IRON, TOTAL	51	51	5.80	72.00	0.05	MG/L
LEAD, TOTAL	51	9	0.04	0.18	0.01	MG/L
MAGNESIUM, TOTAL	51	51	6.06	21.00	1.80	MG/L
MANGANESE, TOTAL	51	50	0.94	4.40	0.01	MG/L
MERCURY, TOTAL	51	2	0.00	0.00	0.00	MG/L
NICKEL, TOTAL	51	4	0.08	0.11	0.05	MG/L
NITRATE AS N	8	8	3.70	6.60	0.20	MG/L
NITRITE AS N	8	4	0.20	0.61	0.05	MG/L
NITROGEN-AMMONIA AS N	51	47	41.82	380.00	0.16	MG/L
POTASSIUM, TOTAL	51	51	2.95	9.40	0.45	MG/L
SODIUM, TOTAL	51	51	110.88	290.00	7.00	MG/L
SULFATE, TOTAL	51	51	296.14	3000.00	23.00	MG/L
VANADIUM, TOTAL	51	1	0.19	0.19	0.19	MG/L
ZINC, TOTAL	51	43	0.07	0.20	0.03	MG/L

SOIL DATA

TAB 15

SUMMARY OF SUBSURFACE SOIL DATA

SUMMARY OF SUBSURFACE SOIL DATA - VOC's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	111TCE	2TCLEA	112TCE	11DCLE	11DCE	12DCLE	12DCE	12DCLP	244TM1P	244TM2P	MEK	MNBK	MIBK
	ft													
BH01	6 - 8	< 700.0	< 700.0	< 700.0	< 700.0	< 700.0	< 700.0	< 700.0	< 700.0	< 0.0013	< 0.0013	490.0 J	< 2000.0	< 2000.0
BH02	6 - 8	< 28.0	< 28.0	< 28.0	< 28.0	< 28.0	< 28.0	< 28.0	< 28.0	< 11	< 11	< 82.0	< 82.0	< 82.0
BH03	6 - 8	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	2 J	1 J	1.0 J	< 16.0	< 16.0
BH04	6 - 8	< 28.0	< 28.0	< 28.0	< 28.0	< 28.0	< 28.0	< 28.0	< 28.0	< 11	< 11	3.0 J	< 82.0	< 82.0
BH05	6 - 8	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 11	1 J	< 16.0	< 16.0	< 16.0
BH06	4 - 6	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 11	< 11	1.0 J	< 16.0	< 16.0
BH07	4 - 6	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 11	< 11	< 16.0	< 16.0	< 16.0
BH08	4 - 6	< [illegible]	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	35	16	< 16.0	< 16.0	< 16.0
BH09	4 - 6	< [illegible]	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	3300 J	910 J	< 16.0	61.0	< 16.0
BH10	4 - 6	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	18	10 J	< 18.0	< 18.0	< 18.0
BH11	4 - 6	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	2300 J	900 J	< 15.0 U	22.0	< 15.0
BH11	10 - 12	< [illegible]	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	3 J	2 J	< 16.0	< 16.0	< 16.0
BH12	4 - 6	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	10 J	< 11	< 16.0 U	< 16.0	< 16.0
BH13	8 - 10	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	11	6 J	< 16.0	< 16.0	< 16.0
BH14	4 - 6	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	6 J	2 J	< 16.0 U	< 16.0	< 16.0
BH15	8 - 10	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	2400 J	3600 J	< 16.0 U	3800.0	15.0 J
BH16	4 - 6	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 11	< 11	< 16.0 U	< 16.0	< 16.0
BH17	8 - 10	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	640 J	570 J	< 18.0 U	7.0 J	< 18.0
BH18	4 - 6	< 35.0	< 35.0	< 35.0	< 35.0	< 35.0	< 35.0	< 35.0	< 35.0	75	39 J	10.0 J	< 100.0	< 100.0
BH19	5 - 7	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	4 J	< 11	4.0 J	< 18.0	< 18.0
BH20	10 - 12	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	29	18	< 16.0 U	< 16.0 U	< 16.0
BH21	8 - 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	14	12	< 15.0 U	< 15.0	< 15.0
BH22	8 - 10	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	13	8 J	< 16.0 U	< 16.0	< 16.0
BH23	4 - 6	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	7000 J	5100 J	< 18.0	9.0 J	< 18.0
BH24	4 - 6	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	50	16	< 16.0 U	1.0 J	< 16.0
BH25	4 - 6	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	2500 J	650 J	< 18.0 U	54.0	< 18.0
BH26	7 - 9	< 29.0	< 29.0	< 29.0	< 29.0	< 29.0	35.0	< 29.0	< 29.0	1000	360	17.0 J	69.0 J	27.0 J
BH27	4 - 6	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	5 J	2 J	1.0 J	< 16.0	< 16.0
BH28	4 - 6	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	520 J	100 J	< 16.0	< 16.0	< 16.0
BH28	4 - 6	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	370 J	93	< 16.0	78.0	< 16.0
BH29	4 - 6	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	87	17	3.0 J	5.0 J	< 16.0
BH30	8 - 10	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	28	15	6.0 J	26.0	< 16.0
BH31	3 - 5	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	3 J	< 12	1.0 J	< 18.0	< 18.0
BH32	4 - 6	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	13	7 J	0.8 J	< 15.0	< 15.0
BH32	4 - 6	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 10	< 10	< 16.0	< 16.0	< 16.0
BH33	6 - 8	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 11	< 11	0.6 J	< 16.0	5.0 J
BH34	6 - 8	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	1700 J	720 J	< 16.0	< 16.0	< 16.0

concentration:ug\kgdrywt

SUMMARY OF SUBSURFACE SOIL DATA - VOC's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE ft	111TCE	2TCLEA	112TCE	11DCLE	11DCE	12DCLE	12DCE	12DCLP	244TM1P	244TM2P	MEK	MNBK	MIBK
BH35	6 - 8	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	22	13	< 16.0	4.0 J	< 16.0
BH36	4 - 6	< [illegible] J	< 6 UJ	< 6 UJ	< 6 UJ	< 6 UJ	< 6 UJ	< 6 UJ	< 6 UJ	39 J	17 UJ	7 J	< 18 UJ	< 18 UJ
BH37	4 - 6	< [illegible] J	< 6 UJ	< 6 UJ	< 6 UJ	< 6 UJ	< 6 UJ	< 6 UJ	< 6 UJ	13 J	5 J	84 J	< 18 UJ	< 18 UJ
BH38	3 - 5	< 6 [illegible]	< 6 UJ	< 6 UJ	< 6 UJ	< 6 UJ	< 6 UJ	< 6 UJ	< 6 UJ	190 J	59 J	< 18 UJ	< 18 UJ	< 18 UJ
BH39	4 - 6	< 6 UJ	< 6 UJ	< 6 UJ	< 6 UJ	< 6 UJ	< 6 UJ	< 6 UJ	< 6 UJ	6 J	< 10 UJ	5 J	< 18 UJ	< 18 UJ
BH40	4 - 6	< [illegible] UJ	< 7 UJ	< 7 UJ	< 7 UJ	< 7 UJ	< 7 UJ	< 7 UJ	< 7 UJ	< 10 UJ	< 10 UJ	< 21 UJ	< 21 UJ	< 21 UJ

concentration:ug\kgdrywt

SUMMARY OF SUBSURFACE SOIL DATA - VOC's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	ACET	C6H6	BRDCLM	CHBR3	CH3BR	CS2	CCL4	CLC6H5	C2H5CL	CCL3	CH3CL	C13DCP	DBRCLM
	ft													
BH01	6 - 8	17000.0	100.0 J	< 700.0	< 700.0	< 1300.0	< 1300.0	< 700.0	< 700.0	< 1300.0	< 700.0	< 1300.0	< 700.0	< 700.0
BH02	6 - 8	500.0	< 28.0	< 28.0	< 28.0	< 55.0	< 55.0	< 28.0	< 28.0	< 55.0	< 28.0	< 55.0	< 28.0	< 28.0
BH03	6 - 8	130.0	< 5.5	< 5.5	< 5.5	< 11.0	< 11.0	< 5.5	< 5.5	< 11.0	< 5.5	< 11.0	< 5.5	< 5.5
BH04	6 - 8	460.0	< 28.0	< 28.0	< 28.0	< 55.0	< 55.0	< 28.0	< 28.0	< 55.0	< 28.0	< 55.0	< 28.0	< 28.0
BH05	6 - 8	41.0	< 5.5	< 5.5	< 5.5	< 11.0	< 11.0	< 5.5	< 5.5	< 11.0	< 5.5	< 11.0	< 5.5	< 5.5
BH06	4 - 6	< 16.0 U	< 5.5	< 5.5	< 5.5	< 11.0	< 11.0	< 5.5	< 5.5	< 11.0	< 5.5	< 11.0	< 5.5	< 5.5
BH07	4 - 6	< 16.0 U	< 5.5	< 5.5	< 5.5	< 11.0	< 11.0	< 5.5	< 5.5	< 11.0	< 5.5	< 11.0	< 5.5	< 5.5
BH08	4 - 6	< 16.0 U	< 5.5	< 5.5	< 5.5	< 11.0	< 11.0	< 5.5	< 5.5	< 11.0	< 5.5	< 11.0	< 5.5	< 5.5
BH09	4 - 6	< 19.0 U	< 5.5	< 5.5	< 5.5	< 11.0	< 11.0	< 5.5	< 5.5	< 11.0	2.0 J	< 11.0	< 5.5	< 5.5
BH10	4 - 6	< 18.0 U	< 6.0	< 6.0	< 6.0	< 12.0	< 12.0	< 6.0	< 6.0	< 12.0	< 6.0	< 12.0	< 6.0	< 6.0
BH11	4 - 6	< 15.0 U	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 10.0	< 5.0	< 10.0	< 5.0	< 5.0
BH11	10 - 12	< 16.0 U	< 5.5	< 5.5	< 5.5	< 11.0	< 11.0	< 5.5	< 5.5	< 11.0	< 5.5	< 11.0	< 5.5	< 5.5
BH12	4 - 6	< 27.0 U	< 5.5	< 5.5	< 5.5	< 11.0	< 11.0	< 5.5	< 5.5	< 11.0	< 5.5	< 11.0	< 5.5	< 5.5
BH13	8 - 10	< 16.0 U	< 5.5	< 5.5	< 5.5	< 11.0	< 11.0	< 5.5	< 5.5	< 11.0	< 5.5	< 11.0	< 5.5	< 5.5
BH14	4 - 6	< 16.0 U	< 5.5	< 5.5	< 5.5	< 11.0	< 11.0	< 5.5	< 5.5	< 11.0	< 5.5	< 11.0	< 5.5	< 5.5
BH15	8 - 10	120.0	< 5.5	< 5.5	< 5.5	< 11.0	1.0 J	< 5.5	< 5.5	< 11.0	< 5.5	< 11.0	< 5.5	< 5.5
BH16	4 - 6	< 16.0 U	< 5.5	< 5.5	< 5.5	< 11.0	< 11.0	< 5.5	< 5.5	< 11.0	1.0 J	< 11.0	< 5.5	< 5.5
BH17	8 - 10	18.0	< 6.0	< 6.0	< 6.0	< 12.0	< 12.0	< 6.0	< 6.0	< 12.0	< 6.0	< 12.0	< 6.0	< 6.0
BH18	4 - 6	< 100.0 U	12.0 J	< 35.0	< 35.0	< 70.0	< 70.0	< 35.0	< 35.0	< 70.0	< 35.0	< 70.0	< 35.0	< 35.0
BH19	5 - 7	32.0	< 6.0	< 6.0	< 6.0	< 12.0	< 12.0	< 6.0	< 6.0	< 12.0	< 6.0	< 12.0	< 6.0	< 6.0
BH20	10 - 12	< 16.0 U	< 5.5	< 5.5	< 5.5	< 11.0	< 11.0	< 5.5	< 5.5	< 11.0	< 5.5	0.4 J	< 5.5	< 5.5
BH21	8 - 10	< 15.0 U	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 10.0	< 5.0	< 10.0	< 5.0	< 5.0
BH22	8 - 10	16.0	< 5.5	< 5.5	< 5.5	< 11.0	< 11.0	< 5.5	< 5.5	< 11.0	< 5.5	< 11.0	< 5.5	< 5.5
BH23	4 - 6	< 18.0 U	< 6.0	< 6.0	< 6.0	< 12.0	< 12.0	< 6.0	< 6.0	< 12.0	1.0 J	< 12.0	< 6.0	< 6.0
BH24	4 - 6	< 16.0 U	< 5.5	< 5.5	< 5.5	< 11.0	< 11.0	< 5.5	< 5.5	< 11.0	< 5.5	< 11.0	< 5.5	< 5.5
BH25	4 - 6	< 18.0 U	< 6.0	< 6.0	< 6.0	< 12.0	< 12.0	< 6.0	< 6.0	< 12.0	< 6.0	< 12.0	< 6.0	< 6.0
BH26	7 - 9	90.0	< 29.0	< 29.0	< 29.0	< 58.0	< 58.0	9.0 J	17.0 J	< 58.0	7.0 J	< 58.0	< 29.0	< 29.0
BH27	4 - 6	< 16.0 U	< 5.5	< 5.5	< 5.5	< 11.0	< 11.0	< 5.5	< 5.5	< 11.0	< 5.5	< 11.0	< 5.5	< 5.5
BH28	4 - 6	< 16.0 U	< 5.5	< 5.5	< 5.5	< 11.0	< 11.0	< 5.5	< 5.5	< 11.0	< 5.5	< 11.0	< 5.5	< 5.5
BH28	4 - 6	< 16.0 U	< 5.5	< 5.5	< 5.5	< 11.0	< 11.0	< 5.5	< 5.5	< 11.0	< 5.5	< 11.0	< 5.5	< 5.5
BH29	4 - 6	< 16.0 U	< 5.5	< 5.5	< 5.5	< 11.0	< 11.0	< 5.5	< 5.5	< 11.0	< 5.5	< 11.0	< 5.5	< 5.5
BH30	8 - 10	< 17.0 U	< 5.5	< 5.5	< 5.5	< 11.0	< 11.0	< 5.5	< 5.5	< 11.0	< 5.5	< 11.0	< 5.5	< 5.5
BH31	3 - 5	< 18.0 U	0.5 J	< 6.0	< 6.0	< 12.0	< 12.0	< 6.0	< 6.0	< 12.0	< 6.0	< 12.0	< 6.0	< 6.0
BH32	4 - 6	< 15.0 U	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 5.0	< 5.0	< 10.0	< 5.0	< 10.0	< 5.0	< 5.0
BH32	4 - 6	< 16.0 U	< 5.5	< 5.5	< 5.5	< 11.0	< 11.0	< 5.5	< 5.5	< 11.0	< 5.5	< 11.0	< 5.5	< 5.5
BH33	6 - 8	< 16.0 U	< 5.5	< 5.5	< 5.5	< 11.0	< 11.0	< 5.5	< 5.5	< 11.0	< 5.5	< 11.0	< 5.5	< 5.5
BH34	6 - 8	< 16.0 U	< 5.5	< 5.5	< 5.5	< 11.0	< 11.0	< 5.5	< 5.5	< 11.0	< 5.5	< 11.0	< 5.5	< 5.5

concentration:ug\kgdrywt

SUMMARY OF SUBSURFACE SOIL DATA - VOC's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	ACET	C6H6	BRDCLM	CHBR3	CH3BR	CS2	CCL4	CLC6H5	C2H5CL	CCL3	CH3CL	C13DCP	DBRCLM
	ft													
BH35	6 - 8	< 16.0 U	< 5.5	< 5.5	< 5.5	< 11.0	< 11.0	< 5.5	< 5.5	< 11.0	< 5.5	< 11.0	< 5.5	< 5.5
BH36	4 - 6	23 U	1 J	< 6 UJ	< 6 UJ	< 12 UJ	13 J	< 6 UJ	< 6 UJ	< 12 UJ	< 6 UJ	< 12 UJ	< 6 UJ	< 6 UJ
BH37	4 - 6	240 J	2 J	< 6 UJ	< 6 UJ	< 12 UJ	5 J	< 6 UJ	< 6 UJ	< 12 UJ	< 6 UJ	< 12 UJ	< 6 UJ	< 6 UJ
BH38	3 - 5	31 U	< 6 UJ	< 6 UJ	< 6 UJ	< 12 UJ	< 12 UJ	< 6 UJ	< 6 UJ	< 12 UJ	< 6 UJ	< 12 UJ	< 6 UJ	< 6 UJ
BH39	4 - 6	47 U	< 6 UJ	< 6 UJ	< 6 UJ	< 12 UJ	< 12 UJ	< 6 UJ	< 6 UJ	< 12 UJ	< 6 UJ	< 12 UJ	< 6 UJ	< 6 UJ
BH40	4 - 6	< 14 UJ	< 7 UJ	< 7 UJ	< 7 UJ	< 14 UJ	< 14 UJ	< 7 UJ	< 7 UJ	< 14 UJ	< 7 UJ	< 14 UJ	< 7 UJ	< 7 UJ

concentration:ug\kgdrywt

SUMMARY OF SUBSURFACE SOIL DATA - VOC's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	BTC6H5	C2CL2	STYR	TCLHE	MEC6H5	TXYLEN	T13DCP	TRCLE	C2AVE	C2H3CL
	ft										
BH01	6 - 8	< 700.0	2000.0	< 700.0	< 700.0	150.0 J	< 700.0	< 700.0	80.0 J	< 2000.0	< 1300.0
BH02	6 - 8	< 28.0	< 55.0 U	< 28.0	< 28.0	< 28.0	< 28.0	< 28.0	< 28.0	< 82.0	< 55.0
BH03	6 - 8	< 5.5	< 11.0 U	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 16.0	< 11.0
BH04	6 - 8	< 28.0	< 55.0 U	< 28.0	< 28.0	< 28.0	< 28.0	< 28.0	< 28.0	< 82.0	< 55.0
BH05	6 - 8	< 5.5	< 11.0 U	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 16.0	< 11.0
BH06	4 - 6	< 5.5	< 11.0 U	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 16.0	< 11.0
BH07	4 - 6	< 5.5	< 11.0 U	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 16.0	< 11.0
BH08	4 - 6	< 5.5	< 11.0 U	< 5.5	< 5.5	1.0 J	< 5.5	< 5.5	< 5.5	< 16.0	< 11.0
BH09	4 - 6	< 5.5	< 11.0 U	< 5.5	1.0 J	1.0 J	< 5.5	< 5.5	< 5.5	< 16.0	< 11.0
BH10	4 - 6	< 6.0	< 12.0 U	< 6.0	< 6.0	1.0 J	< 6.0	< 6.0	< 6.0	< 18.0	< 12.0
BH11	4 - 6	< 5.0	< 10.0 U	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 15.0	< 10.0
BH11	10 - 12	< 5.5	< 11.0 U	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 16.0	< 11.0
BH12	4 - 6	< 5.5	< 11.0 U	< 5.5	< 5.5	0.6 J	< 5.5	< 5.5	< 5.5	< 16.0	< 11.0
BH13	8 - 10	< 5.5	< 11.0 U	< 5.5	< 5.5	2.0 J	< 5.5	< 5.5	< 5.5	< 16.0	< 11.0
BH14	4 - 6	< 5.5	< 11.0 U	< 5.5	< 5.5	0.8 J	< 5.5	< 5.5	< 5.5	< 16.0	< 11.0
BH15	8 - 10	2300.0	< 11.0 U	3300.0	< 5.5	4800.0	35.0	< 5.5	< 5.5	< 16.0	< 11.0
BH16	4 - 6	< 5.5	< 11.0 U	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 16.0	< 11.0
BH17	8 - 10	< 6.0	< 12.0 U	3.0 J	< 6.0	17.0	< 6.0	< 6.0	< 6.0	< 18.0	< 12.0
BH18	4 - 6	11.0 J	< 70.0 U	< 35.0	< 35.0	17.0 J	< 35.0	< 35.0	10.0 J	< 100.0	< 70.0
BH19	5 - 7	< 6.0	< 12.0 U	< 6.0	< 6.0	0.7 J	< 6.0	< 6.0	< 6.0	< 18.0	< 12.0
BH20	10 - 12	< 5.5	< 11.0 U	0.8 J	< 5.5	3.0 J	< 5.5	< 5.5	< 5.5	< 16.0	< 11.0
BH21	8 - 10	< 5.0	< 10.0 U	0.5 J	< 5.0	2.0 J	< 5.0	< 5.0	< 5.0	< 15.0	< 10.0
BH22	8 - 10	< 5.5	< 11.0 U	< 5.5	1.0 J	4.0 J	< 5.5	< 5.5	< 5.5	< 16.0	< 11.0
BH23	4 - 6	< 6.0	< 12.0 U	< 6.0	0.8 J	0.8 J	< 6.0	< 6.0	< 6.0	< 18.0	< 12.0
BH24	4 - 6	< 5.5	< 11.0 U	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 16.0	< 11.0
BH25	4 - 6	2.0 J	< 12.0 U	< 6.0	1.0 J	1.0 J	< 6.0	< 6.0	< 6.0	< 18.0	< 12.0
BH26	7 - 9	< 29.0	< 58.0 U	< 29.0	14.0 J	30.0	85.0	< 29.0	22.0 J	< 87.0	< 58.0
BH27	4 - 6	< 5.5	< 11.0 U	< 5.5	< 5.5	0.8 J	< 5.5	< 5.5	< 5.5	< 16.0	< 11.0
BH28	4 - 6	< 5.5	< 11.0 U	< 5.5	1.0 J	< 5.5	< 5.5	< 5.5	< 5.5	< 16.0	< 11.0
BH28	4 - 6	2.0 J	< 11.0 U	< 5.5	0.8 J	< 5.5	< 5.5	< 5.5	< 5.5	< 16.0	< 11.0
BH29	4 - 6	< 5.5	< 11.0 U	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 16.0	< 11.0
BH30	8 - 10	< 5.5	< 11.0 U	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 16.0	< 11.0
BH31	3 - 5	< 6.0	< 12.0 U	< 6.0	< 6.0	1.0 J	< 6.0	< 6.0	< 6.0	< 18.0	< 12.0
BH32	4 - 6	< 5.0	< 10.0 U	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 15.0	< 10.0
BH32	4 - 6	< 5.5	< 11.0 U	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 16.0	< 11.0
BH33	6 - 8	< 5.5	< 11.0 U	< 5.5	< 5.5	1.0 J	< 5.5	< 5.5	< 5.5	< 16.0	< 11.0
BH34	6 - 8	< 5.5	< 11.0 U	< 5.5	0.9 J	0.8 J	< 5.5	< 5.5	< 5.5	< 16.0	< 11.0

concentration:ug\kgdrywt

SUMMARY OF SUBSURFACE SOIL DATA - VOC's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	ETC6H5	C2CL2	STYR	TCLEE	MEC6H5	TXYLEN	T13DCP	TRCLE	C2AVE	C2H3CL
	ft										
BH35	6 - 8	< 5.5	< 11.0 U	< 5.5	< 5.5	0.7 J	< 5.5	< 5.5	< 5.5	< 16.0	< 11.0
BH36	4 - 6	< 6 UJ	< 12 U	3 J	< 6 UJ	190 J	< 6 UJ	< 6 UJ	< 6 UJ	< 18 UJ	< 12 UJ
BH37	4 - 6	< 6 UJ	< 12 U	< 6 UJ	< 6 UJ	17 J	< 6 UJ	< 6 UJ	< 6 UJ	< 18 UJ	< 12 UJ
BH38	3 - 5	< 6 UJ	< 12 U	4 J	< 6 UJ	< 6 UJ	< 6 UJ	< 6 UJ	< 6 UJ	< 18 UJ	< 12 UJ
BH39	4 - 6	< 6 UJ	< 12 U	< 6 UJ	< 6 UJ	< 6 UJ	< 6 UJ	< 6 UJ	< 6 UJ	< 18 UJ	< 12 UJ
BH40	4 - 6	< 7 UJ	< 14 U	< 7 UJ	< 7 UJ	< 7 UJ	< 7 UJ	< 7 UJ	< 7 UJ	< 21 UJ	< 14 UJ

concentration:ug\kgdrywt

SUMMARY OF SUBSURFACE SOIL DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE ft	124TCB	12DCLB	13DCLB	14DCLB	245TCP	246TCP	24DCLP	24DMPN	24DNP	24DNT	26DNT	2CNAP
BH01	6 - 8	< 730	< 730	< 730	< 730	< 3500	< 730	< 730	< 730	< 3500	< 730	< 730	< 730
BH02	6 - 8	< 730	< 730	< 730	< 730	< 3500	< 730	< 730	< 730	< 3500	< 730	< 730	< 730
BH03	6 - 8	< 760	< 760	< 760	< 760	< 3700	< 760	< 760	< 760	< 3700	< 760	< 760	< 760
BH04	6 - 8	< 760	< 760	< 760	< 760	< 3700	< 760	< 760	< 760	< 3700	< 760	< 760	< 760
BH05	6 - 8	< 730	< 730	< 730	< 730	< 3500	< 730	< 730	< 730	< 3500	< 730	< 730	< 730
BH06	4 - 6	< 730	< 730	< 730	< 730	< 3500	< 730	< 730	< 730	< 3500	< 730	< 730	< 730
BH07	4 - 6	< 730	< 730	< 730	< 730	< 3500	< 730	< 730	< 730	< 3500	< 730	< 730	< 730
BH08	4 - 6	86 J	< 730	< 730	< 730	< 3500	< 730	< 730	< 730	< 3500	< 730	< 730	< 730
BH09	4 - 6	< 690	< 690	< 690	< 690	< 3400	< 690	< 690	< 690	< 3400	< 690	< 690	< 690
BH10	4 - 6	75 J	< 790	< 790	< 790	< 3800	< 790	< 790	< 790	< 3800	< 790	< 790	< 790
BH11	4 - 6	< 690	< 690	< 690	< 690	< 3400	< 690	< 690	< 690	< 3400	< 690	< 690	< 690
BH11	10 - 12	< 730	< 730	< 730	< 730	< 3500	< 730	< 730	< 730	< 3500	< 730	< 730	< 730
BH12	4 - 6	< 730	< 730	< 730	< 730	< 3500	< 730	< 730	< 730	< 3500	< 730	< 730	< 730
BH13	8 - 10	< 690	< 690	< 690	< 690	< 3400	< 690	< 690	< 690	< 3400	< 690	< 690	< 690
BH14	4 - 6	< 760	< 760	< 760	< 760	< 3700	< 760	< 760	< 760	< 3700	< 760	< 760	< 760
BH15	8 - 10	< 730	< 730	< 730	< 730	< 3500	< 730	< 730	< 730	< 3500	< 730	< 730	< 730
BH16	4 - 6	< 730	< 730	< 730	< 730	< 3500	< 730	< 730	< 730	< 3500	< 730	< 730	< 730
BH17	8 - 10	< 790	< 790	< 790	< 790	< 3800	< 790	< 790	< 790	< 3800	< 790	< 790	< 790
BH18	4 - 6	< 920	< 920	< 920	< 920	< 4500	< 920	< 920	< 920	< 4500	< 920	< 920	< 920
BH19	5 - 7	< 760	< 760	< 760	< 760	< 3700	< 760	< 760	< 760	< 3700	< 760	< 760	< 760
BH20	10 - 12	< 690	< 690	< 690	< 690	< 3400	< 690	< 690	< 690	< 3400	< 690	< 690	< 690
BH21	8 - 10	< 690	< 690	< 690	< 690	< 3400	< 690	< 690	< 690	< 3400	< 690	< 690	< 690
BH22	8 - 10	< 730	< 730	< 730	< 730	< 3500	< 730	< 730	< 730	< 3500	< 730	< 730	< 730
BH23	4 - 6	< 1200	< 1200	< 1200	< 1200	< 6100	< 1200	< 1200	< 1200	< 6100	< 1200	< 1200	< 1200
BH26	7 - 9	< 960	< 960	< 960	< 960	< 4600	< 960	< 960	< 960	< 4600	< 960	< 960	< 960
BH27	4 - 6	< 690	< 690	< 690	< 690	< 3400	< 690	< 690	< 690	< 3400	< 690	< 690	< 690
BH28	4 - 6	< 690	< 690	< 690	< 690	< 3400	< 690	< 690	< 690	< 3400	< 690	< 690	< 690
BH28	4 - 6	< 690	< 690	< 690	< 690	< 3400	< 690	< 690	< 690	< 3400	< 690	< 690	< 690
BH29	4 - 6	< 690	< 690	< 690	< 690	< 3400	< 690	< 690	< 690	< 3400	< 690	< 690	< 690
BH30	8 - 10	< 730	< 730	< 730	< 730	< 3500	< 730	< 730	< 730	< 3500	< 730	< 730	< 730
BH31	3 - 5	< 790	< 790	< 790	< 790	< 3800	< 790	< 790	< 790	< 3800	< 790	< 790	< 790
BH32	4 - 6	< 690	< 690	< 690	< 690	< 3400	< 690	< 690	< 690	< 3400	< 690	< 690	< 690
BH32	4 - 6	< 690	< 690	< 690	< 690	< 3400	< 690	< 690	< 690	< 3400	< 690	< 690	< 690
BH33	6 - 8	< 690	< 690	< 690	< 690	< 3400	< 690	< 690	< 690	< 3400	< 690	< 690	< 690
BH34	6 - 8	< 730	< 730	< 730	< 730	< 3500	< 730	< 730	< 730	< 3500	< 730	< 730	< 730
BH35	6 - 8	< 690	< 690	< 690	< 690	< 3400	< 690	< 690	< 690	< 3400	< 690	< 690	< 690

concentration:ug/kg drywt

SUMMARY OF SUBSURFACE SOIL DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	124TCB	12DCLB	13DCLB	14DCLB	245TCP	246TCP	24DCLP	24DMPN	24DNP	24DNT	26DNT	2CNAP
	ft												
BH36	4 - 6	< 760	< 760	< 760	< 760	< 3700	< 760	< 760	< 760	< 3700	< 760	< 760	< 760
BH37	4 - 6	< 790	< 790	< 790	< 790	< 3800	< 790	< 790	< 790	< 3800	< 790	< 790	< 790
BH38	3 - 5	< 820	< 820	< 820	< 820	< 4000	< 820	< 820	< 820	< 4000	< 820	< 820	< 820
BH39	4 - 6	< 790	< 790	< 790	< 790	< 3800	< 790	< 790	< 790	< 3800	< 790	< 790	< 790
BH40	4 - 6	< 920	< 920	< 920	< 920	< 4500	< 920	< 920	< 920	< 4500	< 920	< 920	< 920

concentration:ug/kg drywt

SUMMARY OF SUBSURFACE SOIL DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	2CLP	2MNAP	2MP	2NANIL	2NP	33DCBD	3NANIL	46DN2C	4BRPPE	4CL3MP	4CANIL	4CLPPE
	ft												
BH01	6 - 8	< 730	< 730	< 730	< 3500	< 730	< 1400	< 3500	< 3500	< 730	< 730	< 730	< 730
BH02	6 - 8	< 730	< 730	< 730	< 3500	< 730	< 1400	< 3500	< 3500	< 730	< 730	< 730	< 730
BH03	6 - 8	< 760	< 760	< 760	< 3700	< 760	< 1500	< 3700	< 3700	< 760	< 760	< 760	< 760
BH04	6 - 8	< 760	< 760	< 760	< 3700	< 760	< 1500	< 3700	< 3700	< 760	< 760	< 760	< 760
BH05	6 - 8	< 730	< 730	< 730	< 3500	< 730	< 1400	< 3500	< 3500	< 730	< 730	< 730	< 730
BH06	4 - 6	< 730	< 730	< 730	< 3500	< 730	< 1400	< 3500	< 3500	< 730	< 730	< 730	< 730
BH07	4 - 6	< 730	< 730	< 730	< 3500	< 730	< 1400	< 3500	< 3500	< 730	< 730	< 730	< 730
BH08	4 - 6	< 730	< 730	< 730	< 3500	< 730	< 1400	< 3500	< 3500	< 730	< 730	< 730	< 730
BH09	4 - 6	< 690	< 690	< 690	< 3400	< 690	< 1400	< 3400	< 3400	< 690	< 690	< 690	< 690
BH10	4 - 6	< 790	< 790	< 790	< 3800	< 790	< 1600	< 3800	< 3800	< 790	< 790	< 790	< 790
BH11	4 - 6	< 690	< 690	< 690	< 3400	< 690	< 1400	< 3400	< 3400	< 690	< 690	< 690	< 690
BH11	10 - 12	< 730	< 730	< 730	< 3500	< 730	< 1400	< 3500	< 3500	< 730	< 730	< 730	< 730
BH12	4 - 6	< 730	63 J	< 730	< 3500	< 730	< 1400	< 3500	< 3500	< 730	< 730	< 730	< 730
BH13	8 - 10	< 690	< 690	< 690	< 3400	< 690	< 1400	< 3400	< 3400	< 690	< 690	< 690	< 690
BH14	4 - 6	< 760	< 760	< 760	< 3700	< 760	< 1500	< 3700	< 3700	< 760	< 760	< 760	< 760
BH15	8 - 10	< 730	< 730	< 730	< 3500	< 730	< 1400	< 3500	< 3500	< 730	< 730	< 730	< 730
BH16	4 - 6	< 730	< 730	< 730	< 3500	< 730	< 1400	< 3500	< 3500	< 730	< 730	< 730	< 730
BH17	8 - 10	< 790	< 790	< 790	< 3800	< 790	< 1600	< 3800	< 3800	< 790	< 790	< 790	< 790
BH18	4 - 6	< 920	< 920	< 920	< 4500	< 920	< 1800	< 4500	< 4500	< 920	< 920	< 920	< 920
BH19	5 - 7	< 760	< 760	< 760	< 3700	< 760	< 1500	< 3700	< 3700	< 760	< 760	< 760	< 760
BH20	10 - 12	< 690	< 690	< 690	< 3400	< 690	< 1400	< 3400	< 3400	< 690	< 690	< 690	< 690
BH21	8 - 10	< 690	< 690	< 690	< 3400	< 690	< 1400	< 3400	< 3400	< 690	< 690	< 690	< 690
BH22	8 - 10	< 730	< 730	< 730	< 3500	< 730	< 1400	< 3500	< 3500	< 730	< 730	< 730	< 730
BH23	4 - 6	< 1200	< 1200	< 1200	< 6100	< 1200	< 2500	< 6100	< 6100	< 1200	< 1200	< 1200	< 1200
BH26	7 - 9	< 960	< 960	< 960	< 4600	< 960	< 1900	< 4600	< 4600	< 960	< 960	< 960	< 960
BH27	4 - 6	< 690	< 690	< 690	< 3400	< 690	< 1400	< 3400	< 3400	< 690	< 690	< 690	< 690
BH28	4 - 6	< 690	< 690	< 690	< 3400	< 690	< 1400	< 3400	< 3400	< 690	< 690	< 690	< 690
BH28	4 - 6	< 690	< 690	< 690	< 3400	< 690	< 1400	< 3400	< 3400	< 690	< 690	< 690	< 690
BH29	4 - 6	< 690	< 690	< 690	< 3400	< 690	< 1400	< 3400	< 3400	< 690	< 690	< 690	< 690
BH30	8 - 10	< 730	< 730	< 730	< 3500	< 730	< 1400	< 3500	< 3500	< 730	< 730	< 730	< 730
BH31	3 - 5	< 790	< 790	< 790	< 3800	< 790	< 1600	< 3800	< 3800	< 790	< 790	< 790	< 790
BH32	4 - 6	< 690	< 690	< 690	< 3400	< 690	< 1400	< 3400	< 3400	< 690	< 690	< 690	< 690
BH32	4 - 6	< 690	< 690	< 690	< 3400	< 690	< 1400	< 3400	< 3400	< 690	< 690	< 690	< 690
BH33	6 - 8	< 690	< 690	< 690	< 3400	< 690	< 1400	< 3400	< 3400	< 690	< 690	< 690	< 690
BH34	6 - 8	< 730	< 730	< 730	< 3500	< 730	< 1400	< 3500	< 3500	< 730	< 730	< 730	< 730
BH35	6 - 8	< 690	< 690	< 690	< 3400	< 690	< 1400	< 3400	< 3400	< 690	< 690	< 690	< 690

concentration:ug/kg drywt

SUMMARY OF SUBSURFACE SOIL DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	2CLP	2MNAP	2MP	2NANIL	2NP	33DCBD	3NANIL	46DN2C	4BRPPE	4CL3MP	4CANIL	4CLPPE
	ft												
BH36	4 - 6	< 760	< 760	< 760	< 3700	< 760	< 1500	< 3700	< 3700	< 760	< 760	< 760	< 760
BH37	4 - 6	< 790	< 790	< 790	< 3800	< 790	< 1600	< 3800	< 3800	< 790	< 790	< 790	< 790
BH38	3 - 5	< 820	< 820	< 820	< 4000	< 820	< 1600	< 4000	< 4000	< 820	< 820	< 820	< 820
BH39	4 - 6	< 790	< 790	< 790	< 3800	< 790	< 1600	< 3800	< 3800	< 790	< 790	< 790	< 790
BH40	4 - 6	< 920	< 920	< 920	< 4500	< 920	< 1800	< 4500	< 4500	< 920	< 920	< 920	< 920

concentration:ug/kg drywt

SUMMARY OF SUBSURFACE SOIL DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	4MP	4NANIL	4NP	ANAPNE	ANAPYL	ANTRC	BAANTR	BAPYR	BBFANT	BGHIPY	BKFANT	BENZOA
	ft												
BH01	6 - 8	< 730	< 3500	< 3500	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 3500
BH02	6 - 8	< 730	< 3500	< 3500	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 3500
BH03	6 - 8	< 760	< 3700	< 3700	< 760	< 760	< 760	< 760	< 760	< 760	< 760	< 760	< 3700
BH04	6 - 8	< 760	< 3700	< 3700	< 760	< 760	< 760	< 760	< 760	< 760	< 760	< 760	< 3700
BH05	6 - 8	< 730	< 3500	< 3500	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 3500
BH06	4 - 6	< 730	< 3500	< 3500	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 3500
BH07	4 - 6	< 730	< 3500	< 3500	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 3500
BH08	4 - 6	< 730	< 3500	< 3500	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 3500
BH09	4 - 6	< 690	< 3400	< 3400	< 690	< 690	28 J	80 J	55 J	84 J	< 690	< 690	< 3400
BH10	4 - 6	< 790	< 3800	< 3800	< 790	< 790	< 790	< 790	< 790	< 790	< 790	< 790	< 3800
BH11	4 - 6	< 690	< 3400	< 3400	< 690	< 690	< 690	48 J	< 690	49 J	< 690	< 690	< 3400
BH11	10 - 12	< 730	< 3500	< 3500	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 3500
BH12	4 - 6	< 730	< 3500	< 3500	< 730	< 730	< 730	52 J	< 730	43 J	< 730	< 730	< 3500
BH13	8 - 10	< 690	< 3400	< 3400	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 3400
BH14	4 - 6	< 760	< 3700	< 3700	< 760	< 760	< 760	< 760	< 760	39 J	< 760	< 760	< 3700
BH15	8 - 10	< 730	< 3500	< 3500 J/NR	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 3500
BH16	4 - 6	< 730	< 3500	< 3500	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 3500
BH17	8 - 10	< 790	< 3800	< 3800	< 790	< 790	< 790	< 790	< 790	< 790	< 790	< 790	< 3800
BH18	4 - 6	< 920	< 4500	< 4500	< 920	< 920	< 920	< 920	< 920	< 920	< 920	< 920	< 4500
BH19	5 - 7	< 760	< 3700	< 3700	< 760	< 760	< 760	< 760	< 760	< 760	< 760	< 760	< 3700
BH20	10 - 12	< 690	< 3400	< 3400	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 3400
BH21	8 - 10	< 690	< 3400	< 3400	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 3400
BH22	8 - 10	< 730	< 3500	< 3500	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 3500
BH23	4 - 6	< 1200	< 6100	< 6100	< 1200	< 1200	< 1200	< 1200	< 1200	< 1200	< 1200	< 1200	< 6100
BH26	7 - 9	< 960	< 4600	< 4600	< 960	< 960	< 960	< 960	< 960	< 960	< 960	< 960	< 4600
BH27	4 - 6	< 690	< 3400	< 3400	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 3400
BH28	4 - 6	< 690	< 3400	< 3400	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 3400
BH28	4 - 6	< 690	< 3400	< 3400	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 3400
BH29	4 - 6	< 690	< 3400	< 3400	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 3400
BH30	8 - 10	< 730	< 3500	< 3500	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 3500
BH31	3 - 5	< 790	< 3800	< 3800	< 790	< 790	< 790	< 790	< 790	< 790	< 790	< 790	< 3800
BH32	4 - 6	< 690	< 3400	< 3400	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 3400
BH32	4 - 6	< 690	< 3400	< 3400	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 3400
BH33	6 - 8	< 690	< 3400	< 3400	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 3400
BH34	6 - 8	< 730	< 3500	< 3500	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 3500
BH35	6 - 8	< 690	< 3400	< 3400	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 3400

concentration:ug/kg drywt

SUMMARY OF SUBSURFACE SOIL DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	4MP	4NANIL	4NP	ANAPNE	ANAPYL	ANTRC	BAANTR	BAPYR	BBFANT	BGHIPY	BKFANT	BENZOA
	ft												
BH36	4 - 6	< 760	< 3700	< 3700 R	< 760	< 760	< 760	< 760	< 760	< 760	< 760	< 760	< 3700
BH37	4 - 6	< 790	< 3800	< 3800	< 790	< 790	< 790	48 J	< 790	49 J	< 790	< 790	< 3800
BH38	3 - 5	< 820	< 4000	< 4000	< 820	< 820	< 820	< 820	< 820	< 820	< 820	< 820	< 4000
BH39	4 - 6	< 790	< 3800	< 3800	< 790	< 790	< 790	< 790	< 790	< 790	< 790	< 790	< 3800
BH40	4 - 6	< 920	< 4500	< 4500	< 920	< 920	< 920	< 920	< 920	< 920	< 920	< 920	< 4500

concentration:ug/kg drywt

SUMMARY OF SUBSURFACE SOIL DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	BZALC	B2CEXM	B2CLEE	B2CIPE	B2EHP	BBZP	CHRY	DNBP	DNOP	DBAHA	DBZFUR	DEP
	ft												
BH01	6 - 8	< 730	< 730	< 730	< 730	< 1400 U	< 730	< 730	< 730 U	< 730	< 730	< 730	< 730
BH02	6 - 8	< 730	< 730	< 730	< 730	3500	< 730	< 730	< 730 U	< 730	< 730	< 730	< 730
BH03	6 - 8	< 760	< 760	< 760	< 760	1700	< 760	< 760	< 760 U	< 760	< 760	< 760	< 760
BH04	6 - 8	< 760	< 760	< 760	< 760	27000 J	< 760	< 760	< 760 U	73 J	< 760	< 760	< 760
BH05	6 - 8	< 730	< 730	< 730	< 730	< 730 U	< 730	< 730	< 730 U	< 730	< 730	< 730	< 730
BH06	4 - 6	< 730	< 730	< 730	< 730	< 820 U	< 730	< 730	< 730 U	60 J	< 730	< 730	< 730
BH07	4 - 6	< 730	< 730	< 730	< 730	2500	< 730	< 730	< 730 U	14 J	< 730	< 730	< 730
BH08	4 - 6	< 730	< 730	< 730	< 730	3900	< 730	< 730	< 730 U	< 730	< 730	< 730	< 730
BH09	4 - 6	< 690	< 690	< 690	< 690	< 690 U	< 690	86 J	< 690 U	< 690	< 690	< 690	< 690
BH10	4 - 6	< 790	< 790	< 790	< 790	8200	35 J	< 790	< 790 U	< 790	< 790	< 790	< 790
BH11	4 - 6	< 690	< 690	< 690	< 690	1100	130 J	57 J	< 690	23 J	< 690	< 690	46 J
BH11	10 - 12	< 730	< 730	< 730	< 730	< 730 U	< 730	< 730	< 730	< 730	< 730	< 730	< 730
BH12	4 - 6	< 730	< 730	< 730	< 730	1100000	2200	89 J	32000	130 J	< 730	110 J	< 730
BH13	8 - 10	< 690	< 690	< 690	< 690	< 690 U	< 690	< 690	< 81 U	< 690	< 690	< 690	< 690
BH14	4 - 6	< 760	< 760	< 760	< 760	70000	500 J	< 760	< 1300 U	59 J	< 760	< 760	< 760
BH15	8 - 10	< 730	< 730	< 730	< 730	< 730 U	< 730	< 730	< 730	< 730	< 730	< 730	< 730
BH16	4 - 6	< 730	< 730	< 730	< 730	4900	< 730	< 730	< 730	< 730	< 730	< 730	< 730
BH17	8 - 10	< 790	< 790	< 790	< 790	36000	150 J	< 790	< 1100 U	< 790	< 790	< 790	< 790
BH18	4 - 6	< 920	< 920	< 920	< 920	< 920 U	50 J	< 920	< 920 U	< 920	< 920	< 920	57 J
BH19	5 - 7	< 760	< 760	< 760	< 760	300 J	< 760	< 760	< 760 U	310 J	< 760	< 760	< 760
BH20	10 - 12	< 690	< 690	< 690	< 690	< 690 U	< 690	< 690	< 690 U	< 690	< 690	< 690	< 690
BH21	8 - 10	< 690	< 690	< 690	< 690	< 690 U	< 690	< 690	< 690 U	< 690	< 690	< 690	< 690
BH22	8 - 10	< 730	< 730	< 730	< 730	< 750 U	< 730	< 730	< 730 U	< 730	< 730	< 730	< 730
BH23	4 - 6	< 1200	< 1200	< 1200	< 1200	< 1200 U	65 J	< 1200	< 1200 U	< 1200	< 1200	< 1200	< 1200
BH26	7 - 9	< 960	< 960	< 960	< 960	1200000	< 960	< 960	< 960	370 J	< 960	< 960	< 960
BH27	4 - 6	< 690	< 690	< 690	< 690	1100	< 690	< 690	< 690 U	< 690	< 690	< 690	< 690
BH28	4 - 6	< 690	< 690	< 690	< 690	330000	< 690	< 690	< 690 U	260 J	< 690	< 690	< 690
BH28	4 - 6	< 690	< 690	< 690	< 690	320000	< 690	< 690	< 690 U	100 J	< 690	< 690	< 690
BH29	4 - 6	< 690	< 690	< 690	< 690	1500	< 690	< 690	< 690 U	< 690	< 690	< 690	< 690
BH30	8 - 10	< 730	< 730	< 730	< 730	210000	< 730	< 730	< 730 U	220 J	< 730	< 730	< 730
BH31	3 - 5	< 790	< 790	< 790	< 790	450 J	< 790	< 790	< 790	< 790	< 790	< 790	< 790
BH32	4 - 6	< 690	< 690	< 690	< 690	100 J	< 690	< 690	< 690 U	< 690	< 690	< 690	< 690
BH32	4 - 6	< 690	< 690	< 690	< 690	1600	< 690	< 690	< 690 U	< 690	< 690	< 690	< 690
BH33	6 - 8	< 690	< 690	< 690	< 690	390 J	< 690	< 690	< 690	260 J	< 690	< 690	< 690
BH34	6 - 8	< 730	< 730	< 730	< 730	950000	< 730	< 730	< 730 U	310 J	< 730	< 730	< 730
BH35	6 - 8	< 690	< 690	< 690	< 690	2500	< 690	< 690	< 690 U	< 690	< 690	< 690	< 690

concentration:ug/kg drywt

SUMMARY OF SUBSURFACE SOIL DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	BZ**C	B2CEXM	B2CLHE	B2CIPE	B2EHP	BBZP	CHRY	DNBP	DNOP	DBAHA	DBZFUR	DEP
	ft												
BH36	4 - 6	< 760	< 760	< 760	< 760	240000 J	4500 J	< 760	< 760	130 J	< 760	< 760	< 760
BH37	4 - 6	< 790	< 790	< 790	< 790	120000	370 J	58 J	<' 790 U	120 J	< 790	< 790	< 790
BH38	3 - 5	< 820	< 820	< 820	< 820	6700000	560 J	< 820	< 820	380 J	< 820	< 820	< 820
BH39	4 - 6	< 790	< 790	< 790	< 790	3400	< 790	< 790	<' 790 U	< 790	< 790	< 790	< 790
BH40	4 - 6	< 920	< 920	< 920	< 920	1400 U	< 920	< 920	< 920	< 920	< 920	< 920	< 920

concentration:ug/kg drywt

SUMMARY OF SUBSURFACE SOIL DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	DMP	FANT	FLRENE	CL6BZ	HCBD	CL6CP	CL6ET	ICDPYR	ISOPHR	NNDNPA	NNDPA	NAP
	ft												
BH01	6 - 8	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730
BH02	6 - 8	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	160 J	< 730
BH03	6 - 8	< 760	< 760	< 760	< 760	< 760	< 760	< 760	< 760	< 760	< 760	< 760	< 760
BH04	6 - 8	< 760	< 760	< 760	< 760	< 760	< 760	< 760	< 760	< 760	< 760	290 J	< 760
BH05	6 - 8	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730
BH06	4 - 6	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730
BH07	4 - 6	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	150 J	< 730
BH08	4 - 6	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	570 J	< 730
BH09	4 - 6	< 690	160 J	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690
BH10	4 - 6	< 790	< 790	< 790	< 790	< 790	< 790	< 790	< 790	< 790	< 790	980	630 J
BH11	4 - 6	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690
BH11	10 - 12	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730
BH12	4 - 6	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	3400000	160 J
BH13	8 - 10	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690
BH14	4 - 6	< 760	38 J	< 760	< 760	< 760	< 760	< 760	< 760	< 760	< 760	20000	< 760
BH15	8 - 10	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730
BH16	4 - 6	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	3000	< 730
BH17	8 - 10	< 790	< 790	< 790	< 790	< 790	< 790	< 790	< 790	< 790	< 790	14000	< 790
BH18	4 - 6	< 920	< 920	< 920	< 920	< 920	< 920	< 920	< 920	< 920	< 920	< 920	< 920
BH19	5 - 7	< 760	< 760	< 760	< 760	< 760	< 760	< 760	< 760	< 760	< 760	< 760	< 760
BH20	10 - 12	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690
BH21	8 - 10	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690
BH22	8 - 10	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730
BH23	4 - 6	< 1200	< 1200	< 1200	< 1200	< 1200	< 1200	< 1200	< 1200	< 1200	< 1200	< 1200	< 1200
BH26	7 - 9	< 960	< 960	< 960	< 960	< 960	< 960	< 960	< 960	< 960	< 960	< 960	< 960
BH27	4 - 6	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690
BH28	4 - 6	< 690	< 690	< 690	< 690	< 690	< 690	< 690	960	< 690	< 690	< 690	< 690
BH28	4 - 6	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690
BH29	4 - 6	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690
BH30	8 - 10	< 730	< 730	< 730	< 730	< 730	< 730	< 730	280 J	< 730	< 730	330 J	< 730
BH31	3 - 5	< 790	< 790	< 790	< 790	< 790	< 790	< 790	< 790	< 790	< 790	< 790	< 790
BH32	4 - 6	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690
BH32	4 - 6	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690
BH33	6 - 8	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690
BH34	6 - 8	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	< 730	360 J	< 730
BH35	6 - 8	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	< 690	410 J	< 690

concentration:ug/kg drywt

SUMMARY OF SUBSURFACE SOIL DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	DMI	FANT	FLRENE	CL6BZ	HCBD	CL6CP	CL6ET	ICDPYR	ISOPHR	NNDNPA	NNDPA	NAP
	ft												
BH36	4 - 6	< 760	< 760	< 760	< 760	< 760	< 760	< 760	< 760	< 760	< 760	< 760 UJ	< 760
BH37	4 - 6	< 790	72 J	< 790	< 790	< 790	< 790	< 790	< 790	< 790	< 790	< 790	< 790
BH38	3 - 5	< 820	< 820	< 820	< 820	< 820	< 820	< 820	< 820	< 820	< 820	11000	< 820
BH39	4 - 6	< 790	< 790	< 790	< 790	< 790	< 790	< 790	< 790	< 790	< 790	< 790	< 790
BH40	4 - 6	< 920	< 920	< 920	< 920	< 920	< 920	< 920	< 920	< 920	< 920	< 920	< 920

concentration:ug/kg drywt

SUMMARY OF SUBSURFACE SOIL DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	NB	PCP	PHANTR	PHENOL	PYR
	ft					
BH01	6 - 8	< 730	< 730	< 730	< 730	< 730
BH02	6 - 8	< 730	< 730	< 730	< 730	< 730
BH03	6 - 8	< 760	< 760	< 760	< 760	< 760
BH04	6 - 8	< 760	< 760	< 760	< 760	< 760
BH05	6 - 8	< 730	< 730	< 730	< 730	< 730
BH06	4 - 6	< 730	< 730	< 730	< 730	< 730
BH07	4 - 6	< 730	< 730	< 730	< 730	< 730
BH08	4 - 6	< 730	< 730	< 730	100 J	< 730
BH09	4 - 6	< 690	< 690	120 J	< 690	130 J
BH10	4 - 6	< 790	< 790	< 790	75 J	< 790
BH11	4 - 6	< 690	< 690	< 690	< 690	170 J
BH11	10 - 12	< 730	< 730	< 730	< 730	43 J
BH12	4 - 6	< 730	< 730	640 J	< 730	200 J
BH13	8 - 10	< 690	< 690	< 690	< 690	< 690
BH14	4 - 6	< 760	< 760	62 J	< 760	64 J
BH15	8 - 10	< 730	< 730 NR	< 730	< 730	< 730
BH16	4 - 6	< 730	< 730	< 730	< 730	< 730
BH17	8 - 10	< 790	< 790	52 J	< 790	< 790
BH18	4 - 6	< 920	< 920	< 920	< 920	< 920
BH19	5 - 7	< 760	< 760	< 760	< 760	< 760
BH20	10 - 12	< 690	< 690	< 690	< 690	< 690
BH21	8 - 10	< 690	< 690	< 690	< 690	< 690
BH22	8 - 10	< 730	< 730	< 730	< 730	< 730
BH23	4 - 6	< 1200	< 1200	< 1200	< 1200	< 1200
BH26	7 - 9	< 960	< 960	< 960	< 960	140 J
BH27	4 - 6	< 690	< 690	< 690	< 690	< 690
BH28	4 - 6	< 690	< 690	< 690	< 690	< 690
BH28	4 - 6	< 690	< 690	< 690	< 690	< 690
BH29	4 - 6	< 690	< 690	< 690	< 690	< 690
BH30	8 10	< 730	< 730	< 730	< 730	< 730
BH31	3 - 5	< 790	< 790	< 790	< 790	< 790
BH32	4 - 6	< 690	< 690	< 690	< 690	< 690
BH32	4 - 6	< 690	< 690	< 690	< 690	< 690
BH33	6 - 8	< 690	< 690	< 690	< 690	< 690
BH34	6 - 8	< 730	< 730	< 730	< 730	< 730
BH35	6 - 8	< 690	< 690	< 690	< 690	< 690

concentration:ug/kg drywt

SUMMARY OF SUBSURFACE SOIL DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	NB	PCP	PHANTR	PHENOL	PYR
	ft					
BH36	4 - 6	< 760	< 760 R	< 760	250 J	120 J
BH37	4 - 6	< 790	< 790	< 790	< 790	57 J
BH38	3 - 5	< 820	< 820	< 820	< 820	< 820
BH39	4 - 6	< 790	< 790	< 790	< 790	< 790
BH40	4 - 6	< 920	< 920	< 920	< 920	< 920

concentration:ug/kg drywt

SUMMARY OF SUBSURFACE SOIL DATA - PCB's AND PESTICIDES's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	44DDD	44DDE	44DDT	ALDRN	ABHC	ACLDAN	BBHC	DBHC	DLDRN	AENSLF	BENSLF
	ft											
BH01	6 - 8	< 35	< 35	< 35	< 18	< 18	< 180	< 18	< 18	< 35	< 18	< 35
BH02	6 - 8	< 35	< 35	< 35	< 18	< 18	< 180	< 18	< 18	< 35	< 18	< 35
BH03	6 - 8	< 35	< 35	< 35	< 18	< 18	< 180	< 18	< 18	< 35	< 18	< 35
BH04	6 - 8	< 35	< 35	< 35	< 18	< 18	< 180	< 18	< 18	< 35	< 18	< 35
BH05	6 - 8	< 35	< 35	< 35	< 18	< 18	< 180	< 18	< 18	< 35	< 18	< 35
BH06	4 - 6	< 35	< 35	< 35	< 18	< 18	< 180	< 18	< 18	< 35	< 18	< 35
BH07	4 - 6	< 35	< 35	< 35	< 18	< 18	< 180 UJ	< 18	< 18	< 35	< 18	< 35
BH08	4 - 6	< 35	< 35	< 35	< 18	< 18	< 180	< 18	< 18	< 35	< 18	< 35
BH09	4 - 6	< 34	< 34	< 34	< 17	< 17	< 170	< 17	< 17	< 34	< 17	< 34
BH10	4 - 6	< 38	< 38	< 38	< 19	< 19	< 190	< 19	< 19	< 38	< 19	< 38
BH11	4 - 6	< 34	< 34	< 34	< 17	< 17	< 170	< 17	< 17	< 34	< 17	< 34
BH11	10 - 12	< 35	< 35	< 35	< 18	< 18	< 180	< 18	< 18	< 35	< 18	< 35
BH12	4 - 6	40	< 35	< 35	32	24	< 180	< 18	< 18	< 35	< 18	< 35
BH13	8 - 10	< 34	< 34	< 34	< 17	< 17	< 170	< 17	< 17	< 34	< 17	< 34
BH14	4 - 6	< 37	< 37	< 37	< 18	< 18	< 180	< 18	< 18	< 37	< 18	< 37
BH15	8 - 10	< 35	< 35	< 35	< 18	< 18	< 180	< 18	< 18	< 35	< 18	< 35
BH16	4 - 6	< 35 UJ	< 35 UJ	< 35 UJ	< 18 UJ	< 18 UJ	< 180 UJ	< 18 UJ	< 18 UJ	< 35 UJ	< 18 UJ	< 35 UJ
BH17	8 - 10	< 38	< 38	< 38	< 19	< 19	< 190	< 19	< 19	< 38	< 19	< 38
BH18	4 - 6	< 45	< 45	< 45	< 22	< 22	< 220	< 22	< 22	< 45	< 22	< 45
BH19	5 - 7	< 35	< 35	< 35	< 18	< 18	< 180	< 18	< 18	< 35	< 18	< 35
BH20	10 - 12	< 35	< 35	< 35	< 18	< 18	< 180	< 18	< 18	< 35	< 18	< 35
BH21	8 - 10	< 32	< 32	< 32	< 16	< 16	< 160 UJ	< 16	< 16	< 32	< 16	< 32
BH22	8 - 10	< 35	< 35	< 35	< 18	< 18	< 180 UJ	< 18	< 18	< 35	< 18	< 35
BH23	4 - 6	< 35	< 35	< 35	< 18	< 18	< 180 UJ	< 18	< 18	< 35	< 18	< 35
BH26	7 - 9	< 46	< 46	< 46	< 23	< 23	< 230	< 23	< 23	< 46	< 23	< 46
BH27	4 - 6	< 32	< 32	< 32	< 16	< 16	< 160	< 16	< 16	< 32	< 16	< 32
BH28	4 - 6	< 35	< 35	< 35	< 18	< 18	< 180	< 18	< 18	< 35	< 18	< 35
BH28	4 - 6	< 35	< 35	< 35	< 18	< 18	< 180	< 18	< 18	< 35	< 18	< 35
BH29	4 - 6	< 35	< 35	< 35	< 18	< 18	< 180	< 18	< 18	< 35	< 18	< 35
BH30	8 - 10	< 35 UJ	< 35 UJ	< 35 UJ	< 18 UJ	< 18 UJ	< 180 UJ	< 18 UJ	< 18 UJ	< 35 UJ	< 18 UJ	< 35 UJ
BH31	3 - 5	< 38	< 38	< 38	< 19	< 19	< 190	< 19	< 19	< 38	< 19	< 38
BH32	4 - 6	< 32	< 32	< 32	< 16	< 16	< 160	< 16	< 16	< 32	< 16	< 32
BH32	4 - 6	< 32	< 32	< 32	< 16	< 16	< 160	< 16	< 16	< 32	< 16	< 32
BH33	6 - 8	< 35	< 35	< 35	< 18	< 18	< 180	< 18	< 18	< 35	< 18	< 35
BH34	6 - 8	< 35	< 35	< 35	< 18	< 18	< 180	< 18	< 18	< 35	< 18	< 35
BH35	6 - 8	< 32	< 32	< 32	< 16	< 16	< 160	< 16	< 16	< 32	< 16	< 32

concentration:ug/kg drywt.

SUMMARY OF SUBSURFACE SOIL DATA - PCB's AND PESTICIDES's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	44DDD	44DDE	44DDT	ALDRN	ABHC	ACLDAN	BBHC	DBHC	DLDRN	AENSLF	BENSLF
	ft											
BH-36	4 - 6	< 38	< 38	< 38	< 19	< 19	< 190	< 19	< 19	< 38	< 19	< 38
BH-37	4 - 6	< 38	< 38	< 38	< 19	< 19	< 190	< 19	< 19	< 38	< 19	< 38
BH-38	3 - 5	< 40	< 40	< 40	< 20	< 20	< 200	< 20	< 20	< 40	< 20	< 40
BH-39	4 - 6	< 38	< 38	< 38	< 19	< 19	< 190	< 19	< 19	< 38	< 19	< 38
BH-40	4 - 6	< 45	< 45	< 45	< 22	< 22	< 220	< 22	< 22	< 45	< 22	< 45

concentration:ug/kg drywt.

SUMMARY OF SUBSURFACE SOIL DATA - PCB's AND PESTICIDES's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	BSFSO4	ENDRN	ENDRNK	LIN	GCLDAN	HPCL	HPCLE	MEOXCL	PCB016	PCB221	PCB232	PCB242
	ft.												
BH01	6 - 8	< 35	< 35	< 35	< 18	< 180	< 18	< 18	< 180	< 180	< 180	< 180	< 180
BH02	6 - 8	< 35	< 35	< 35	< 18	< 180	< 18	< 18	< 180	< 180	< 180	< 180	< 180
BH03	6 - 8	< 35	< 35	45	48	< 180	< 18	< 18	< 180	< 180	< 180	< 180	< 180
BH04	6 - 8	< 35	< 35	< 35	< 18	< 180	< 18	< 18	< 180	< 180	< 180	< 180	< 180
BH05	6 - 8	< 35	< 35	< 35	< 18	< 180	< 18	< 18	< 180	< 180	< 180	< 180	< 180
BH06	4 - 6	< 35	< 35	< 35	< 18	< 180	< 18	< 18	< 180	< 180	< 180	< 180	< 180
BH07	4 - 6	< 35	< 35	< 35 UJ	< 18	< 180 UJ	< 18	< 18	< 180 UJ	< 180	< 180	< 180	< 180
BH08	4 - 6	< 35	< 35	< 35	< 18	< 180	< 18	< 18	< 180	< 180	< 180	< 180	< 180
BH09	4 - 6	< 34	< 34	< 34	< 17	< 170	< 17	< 17	< 170	< 170	< 170	< 170	< 170
BH10	4 - 6	< 38	< 38	< 38	< 19	< 190	< 19	< 19	< 190	< 190	< 190	< 190	< 190
BH11	4 - 6	< 34	< 34	< 34	< 17	< 170	< 17	< 17	< 170	< 170	< 170	< 170	< 170
BH11	10 - 12	< 35	< 35	< 35	< 18	< 180	< 18	< 18	< 180	< 180	< 180	< 180	< 180
BH12	4 - 6	150	89	< 35	< 18	< 180	< 18	< 18	< 180	< 180	< 180	< 180	< 180
BH13	8 - 10	< 34	< 34	< 34	< 17	< 170	< 17	< 17	< 170	< 170	< 170	< 170	< 170
BH14	4 - 6	< 37	< 37	< 37	< 18	< 180	< 18	< 18	< 180	< 180	< 180	< 180	< 180
BH15	8 - 10	< 35	< 35	< 35	< 18	< 180	< 18	< 18	< 180	< 180	< 180	< 180	< 180
BH16	4 - 6	< 35 UJ	< 35 UJ	< 35 UJ	< 18 UJ	< 180 UJ	< 18 UJ	< 18 UJ	< 180 UJ	< 180 UJ	< 180 UJ	< 180 UJ	< 180 UJ
BH17	8 - 10	< 38	< 38	< 38	< 19	< 190	< 19	< 19	< 190	< 190	< 190	< 190	< 190
BH18	4 - 6	< 45	< 45	< 45	< 22	< 220	< 22	< 22	< 220	< 220	< 220	< 220	< 220
BH19	5 - 7	< 35	< 35	< 35	< 18	< 180	< 18	< 18	< 180	< 180	< 180	< 180	< 180
BH20	10 - 12	< 35	< 35	< 35	< 18	< 180	< 18	< 18	< 180	< 180	< 180	< 180	< 180
BH21	8 - 10	< 32	< 32	< 32 UJ	< 16	< 160 UJ	< 16	< 16	< 160 UJ	< 160	< 160	< 160	< 160
BH22	8 - 10	< 35	< 35	< 35 UJ	< 18	< 180 UJ	< 18	< 18	< 180 UJ	< 180	< 180	< 180	< 180
BH23	4 - 6	< 35	< 35	< 35 UJ	< 18	< 180 UJ	< 18	< 18	< 180 UJ	< 180	< 180	< 180	< 180
BH26	7 - 9	< 46	< 46	< 46	< 23	< 230	< 23	< 23	< 230	< 230	< 230	< 230	< 230
BH27	4 - 6	< 32	< 32	< 32	< 16	< 160	< 16	< 16	< 160	< 160	< 160	< 160	< 160
BH28	4 - 6	< 35	< 35	< 35	< 18	< 180	< 18	< 18	< 180	< 180	< 180	< 180	< 180
BH28	4 - 6	< 35	< 35	< 35	< 18	< 180	< 18	< 18	< 180	< 180	< 180	< 180	< 180
BH29	4 - 6	< 35	< 35	< 35	< 18	< 180	< 18	< 18	< 180	< 180	< 180	< 180	< 180
BH30	8 - 10	< 35 UJ	< 35 UJ	< 35 UJ	< 18 UJ	< 180 UJ	< 18 UJ	< 18 UJ	< 180 UJ	< 180 UJ	< 180 UJ	< 180 UJ	< 180 UJ
BH31	3 - 5	< 38	< 38	< 38	< 19	< 190	< 19	< 19	< 190	< 190	< 190	< 190	< 190
BH32	4 - 6	< 32	< 32	< 32	< 16	< 160	< 16	< 16	< 160	< 160	< 160	< 160	< 160
BH32	4 - 6	< 32	< 32	< 32	< 16	< 160	< 16	< 16	< 160	< 160	< 160	< 160	< 160
BH33	6 - 8	< 35	< 35	< 35	< 18	< 180	< 18	< 18	< 180	< 180	< 180	< 180	< 180
BH34	6 - 8	< 35	< 35	< 35	< 18	< 180	< 18	< 18	< 180	< 180	< 180	< 180	< 180
BH35	6 - 8	< 32	< 32	< 32	< 16	< 160	< 16	< 16	< 160	< 160	< 160	< 160	< 160

concentration:ug/kg drywt.

SUMMARY OF SUBSURFACE SOIL DATA - PCB's AND PESTICIDES's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	ESFSO4	ENDRN	ENDRNK	LIN	GCLDAN	HPCL	HPCLE	MEOXCL	PCB016	PCB221	PCB232	PCB242
	ft												
BH-36	4 - 6	< 38	< 38	< 38	< 19	< 190	< 19	< 19	< 190	< 190	< 190	< 190	< 190
BH-37	4 - 6	< 38	< 38	< 38	< 19	< 190	< 19	< 19	< 190	< 190	< 190	< 190	< 190
BH-38	3 - 5	< 40	< 40	< 40	< 20	< 200	< 20	< 20	< 200	< 200	< 200	< 200	< 200
BH-39	4 - 6	< 38	< 38	< 38	< 19	< 190	< 19	< 19	< 190	< 190	< 190	< 190	< 190
BH-40	4 - 6	< 45	< 45	< 45	< 22	< 220	< 22	< 22	< 220	< 220	< 220	< 220	< 220

concentration:ug/kg drywt.

SUMMARY OF SUBSURFACE SOIL DATA - PCB's AND PESTICIDES's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	PCB248	PCB254	PCB260	TXPHEN
	ft				
BH01	6 - 8	< 180	< 350	< 350	< 350
BH02	6 - 8	< 180	< 350	< 350	< 350
BH03	6 - 8	< 180	< 350	< 350	< 350
BH04	6 - 8	< 180	< 350	< 350	< 350
BH05	6 - 8	< 180	< 350	< 350	< 350
BH06	4 -6	< 180	< 350	< 350	< 350
BH07	4 -6	< 180	< 350	< 350	< 350
BH08	4 -6	< 180	< 350	< 350	< 350
BH09	4 -6	< 170	< 340	< 340	< 340
BH10	4 -6	< 190	< 380	< 380	< 380
BH11	4 -6	< 170	< 340	< 340	< 340
BH11	10 -12	< 180	< 350	< 350	< 350
BH12	4 -6	< 180	< 350	< 350	< 350
BH13	8 -10	< 170	< 340	< 340	< 340
BH14	4 -6	< 180	< 370	< 370	< 370
BH15	8 -10	< 180	< 350	< 350	< 350
BH16	4 -6	< 180 UJ	< 350 UJ	< 350 UJ	< 350 UJ
BH17	8 -10	< 190	< 380	< 380	< 380
BH18	4 -6	< 220	< 450	< 450	< 450
BH19	5 - 7	< 180	< 350	< 350	< 350
BH20	10 -12	< 180	< 350	< 350	< 350
BH21	8 -10	< 160	< 320	< 320	< 320
BH22	8 -10	< 180	< 350	< 350	< 350
BH23	4 -6	< 180	< 350	< 350	< 350
BH26	7 - 9	< 230	< 460	< 460	< 460
BH27	4 -6	< 160	< 320	< 320	< 320
BH28	4 -6	< 180	< 350	< 350	< 350
BH28	4 -6	< 180	< 350	< 350	< 350
BH29	4 -6	< 180	< 350	< 350	< 350
BH30	8 -10	< 180 UJ	< 350 UJ	< 350 UJ	< 350 UJ
BH31	3 - 5	< 190	< 380	< 380	< 380
BH32	4 -6	< 160	< 320	< 320	< 320
BH32	4 -6	< 160	< 320	< 320	< 320
BH33	6 - 8	< 180	< 350	< 350	< 350
BH34	6 - 8	< 180	< 350	< 350	< 350
BH35	6 - 8	< 160	< 320	< 320	< 320

concentration:ug/kg drywt.

SUMMARY OF SUBSURFACE SOIL DATA - PCB's AND PESTICIDES's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	PCB248	PCB254	PCB260	TXPHEN
	ft				
BH-36	4 - 6	< 190	< 380	< 380	< 380
BH-37	4 - 6	< 190	< 380	< 380	< 380
BH-38	3 - 5	< 200	< 400	< 400	< 400
BH-39	4 - 6	< 190	< 380	< 380	< 380
BH-40	4 - 6	< 220	< 450	< 450	< 450

concentration:ug/kg drywt.

SUMMARY OF SUBSURFACE SOIL DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	AL, TOT	AMMONIA as N	SB, TOT	AS, TOT	BA, TOT	BE, TOT	CD, TOT	CA, TOT	CL, TOT	CR, TOT	CO, TOT
	ft											
BH01	6 - 8	7600	210.0 J	< 20	8.0	16.0	< 1.5	< 1.0	16000	100.0 J	100.0	2.9
BH02	6 - 8	8300	91.0 J	< 20	12.0	30.0	< 1.5	< 1.0	3700	57.0 J	21.0	3.8
BH03	6 - 8	9000	28.0 J	< 20	21.0	29.0	< 1.5	1.8	8700	< 40.0 UJ	36.0	5.0
BH04	6 - 8	9200	100.0 J	< 20	13.0	36.0	< 1.5	1.4	4900	< 40.0 UJ	41.0	6.2
BH05	6 - 8	10000	63.0 J	< 20	9.0	35.0	< 1.5	1.2	3000	< 40.0 UJ	21.0	5.1
BH06	4 - 6	10000	30.0 J	< 20	16.0	39.0	< 1.5	1.2	2500	88.0 J	25.0	7.2
BH07	4 - 6	7900	48.0 J	< 20	4.3	28.0	< 1.5	< 1.0	4300	71.0 J	160.0	2.3
BH08	4 - 6	4100	33.0 J	< 20	4.6	14.0	< 1.5	1.4	4500	< 40.0 UJ	22.0	1.8
BH09	4 - 6	9800	8.4 J	< 20	13.0	23.0	< 1.5	1.2	1600	< 40.0 UJ	27.0	5.2
BH10	4 - 6	460	72.0 J	< 20	1.1	6.6	< 1.5	< 1.0	2600	62.0 J	7.3	< 1.5
BH11	4 - 6	9000	< 8.0 UJ	< 20	12.0	33.0	< 1.5	1.0	1900	< 40.0 UJ	18.0	4.0
BH11	10 - 12	7500	21.0 J	< 20	18.0	38.0	< 1.5	1.3	1500	< 40.0 UJ	25.0	4.1
BH12	4 - 6	7100	59.0 J	41	4.2	42.0	< 1.5	< 1.0	710	< 40.0 UJ	2400.0	3.7
BH13	8 - 10	5700	12.0 J	< 20	9.2	75.0	< 1.5	1.0	730	51.0 J	160.0	2.7
BH14	4 - 6	5700	28.0 J	< 20	3.7	15.0 J	< 1.5 NR	1.0 J	740	98.0 J	1300.0	2.4 J
BH15	8 - 10	6000	11.0 J	< 20	5.5	18.0	< 1.5	< 1.0	990	< 40.0 UJ	28.0	2.4
BH16	4 - 6	3400	26.0 J	< 20	2.3	23.0	< 1.5	< 1.0	570	< 40.0 UJ	610.0	1.8
BH17	8 - 10	4500	360.0 J	< 20	4.4	20.0	< 1.5	< 1.0	830	< 40.0 UJ	1200.0	2.5
BH18	4 - 6	5700	70.0 J	< 20	< 2.0	2.8	< 1.5	< 1.0	170	130.0 J	5.9	< 1.5
BH19	5 - 7	4600	100.0 J	< 20	1.9	5.9	< 1.5	< 1.0	540	57.0 J	5.8	< 1.5
BH20	10 - 12	4400	12.0 J	< 20	4.2	13.0	< 1.5	< 1.0	810	< 40.0 UJ	230.0	< 1.5
BH21	8 - 10	7500	10.0 J	< 20	9.6	18.0	< 1.5	1.1	1400	< 40.0 UJ	12.0	2.8
BH22	8 - 10	5600	52.0 J	< 20	11.0	44.0	< 1.5	< 1.0	970	47.0 J	27.0	2.7
BH23	4 - 6	7300	95.0 J	< 20	2.2	11.0	< 1.5	< 1.0	760	170.0 J	21.0	3.0
BH24	4 - 6		14.0 J							43.0 J		
BH25	4 - 6		24.0 J							51.0 J		
BH26	7 - 9	1200	< 8.0 UJ	< 20	0.9	6.0	< 1.5	< 1.0	5900	< 40.0 UJ	6.6	< 1.5
BH27	4 - 6	5200 J	9.1 J	< 20 UJ	7.5 J	16.0	< 1.5	< 1.0	1000	< 40.0 UJ	11.0	3.0
BH28	4 - 6	3600	< 8.0 UJ	< 20	4.2	6.0	< 1.5	< 1.0	550	< 40.0 UJ	6.6	< 1.5
BH28	4 - 6	3200	< 8.0 UJ	< 20	4.3	5.6	< 1.5	< 1.0	400	< 40.0 UJ	5.8	< 1.5
BH29	4 - 6	3800	< 8.0 UJ	< 20	4.7	7.3	< 1.5	< 1.0	460	< 40.0 UJ	8.2	2.1
BH30	8 - 10	4400	< 8.0 UJ	< 20	5.5	12.0	< 1.5	< 1.0	1600	< 40.0 UJ	6.3	3.0
BH31	3 - 5	3400	400.0 J	< 20	5.7	5.2	< 1.5	< 1.0	150	90.0 J	11.0	1.9
BH32	4 - 6	3100	< 8.0 UJ	< 20	4.0	6.2	< 1.5	< 1.0	480	< 40.0 UJ	4.8	1.6
BH32	4 - 6	3300	< 8.0 UJ	< 20	4.0	5.1	< 1.5	< 1.0	460	< 40.0 UJ	5.2	1.8
BH33	6 - 8	3300	< 8.0 UJ	< 20	3.2	5.8	< 1.5	< 1.0	740	53.0 J	5.1	< 1.5
BH34	6 - 8	2800	10.0 J	< 20	4.2	5.9	< 1.5	< 1.0	620	56.0 J	4.2	1.9
BH35	6 - 8	2400	9.2 J	< 20	2.7	6.1	< 1.5	< 1.0	610	23.0 J	5.1	< 1.5
BH36	4 - 6	5000	10	< 20	< 2.9	13	< 1.5	< 1	990	< 40	610	1.6 J

concentration: mg\kgdrywt

SUMMARY OF SUBSURFACE SOIL DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	AL, TOT	AMMONIA as N	SB, TOT	AS, TOT	BA, TOT	BE, TOT	CD, TOT	CA, TOT	CL, TOT	CR, TOT	CO, TOT
	ft											
BH37	4 - 6	6500	140	< 20	7.1	14	< 1.5	< 1	1400	< 40	410	4.4 J
BH38	3 - 5	7900	41	< 20	4.4	22	< 1.5	< 1	1200	< 40	500	3.8 J
BH39	4 - 6	5300	24	< 20	4.3	9.8	< 1.5	< 1	210	< 40	6.3	1.6 J
BH40	4 - 6	4700	29	< 20	2.2	17	< 1.5	< 1	680	< 40	6.3	2.4 J

concentration: mg\kgdrywt

SUMMARY OF SUBSURFACE SOIL DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	CU, TOT	CYN, TOT	FE, TOT	PB, TOT	MG, TOT	MN, TOT	HG, TOT	NI, TOT	K, TOT	TRS	SE, TOT
	ft										Wt.%	
BH01	6 - 8	8.2	< 2.0 UJ	7800	< 10	1900	72.0	< 0.1	6.7	670	90	< 0.68
BH02	6 - 8	9.8	< 2.0 UJ	9500	11	2600	140.0	< 0.1	11.0	1100	93	< 0.50
BH03	6 - 8	10.0	< 2.0 UJ	11000	< 10	4000	130.0	< 0.1	18.0	1800	88	< 0.73
BH04	6 - 8	47.0	< 2.0 UJ	14000	52	3800	230.0	< 0.1	14.0	1400	88	< 0.50
BH05	6 - 8	12.0	< 2.0 UJ	12000	< 10	3500	200.0	< 0.1	14.0	2000	91	< 0.50
BH06	4 - 6	14.0	< 2.0 UJ	13000	< 10	4000	250.0	< 0.1	18.0	2100	93	< 0.64
BH07	4 - 6	12.0	< 2.0 UJ	9400	< 10	2300	140.0	< 0.1	8.9	1100	90	< 0.50
BH08	4 - 6	4.0	< 2.0 UJ	5100	< 10	1800	76.0	< 0.1	4.8	1000	92	< 0.50
BH09	4 - 6	10.0	< 2.0 UJ	15000	< 10	4700	320.0	< 0.1	12.0	1300	95	< 0.50
BH10	4 - 6	< 2.5	< 2.0 UJ	840	< 10	150	7.6	< 0.1	< 4.0	160	84	< 0.50
BH11	4 - 6	13.0	< 2.0 UJ	9900	< 10	2600	110.0	< 0.1	11.0	1600	97	< 0.50
BH11	10 - 12	14.0	< 2.0 UJ	12000	< 10	3800	150.0	< 0.1	9.2	1700	91	< 0.50
BH12	4 - 6	7.7	2.3 J	8800	< 10	3400	100.0	0.3	6.9	1300	92	< 0.50
BH13	8 - 10	8.8	< 2.0 UJ	10000	< 10	2900	340.0	< 0.1	5.4	1400	94	< 0.50
BH14	4 - 6	10.0 J	< 2.0 UJ	9900 J	40	1700 J	73.0 J	< 0.1	7.2 J	760 J	88	< 0.50
BH15	8 - 10	7.3	< 2.0 UJ	8300	< 10	2900	110.0	< 0.1	7.7	1100	90	< 0.50
BH16	4 - 6	4.5	< 2.0 UJ	6700	< 10	1800	62.0	0.1	< 4.0	1100	89	< 0.50
BH17	8 - 10	12.0	5.4 J	9200	< 10	1600	76.0	0.1	8.2	430	84	< 0.50
BH18	4 - 6	< 2.5	< 2.0 UJ	580	< 10	210	8.7	< 0.1	< 4.0	130	72	< 0.50
BH19	5 - 7	< 2.5	< 2.0 UJ	3500	< 10	1100	32.0	< 0.1	4.3	410	87	< 0.50
BH20	10 - 12	4.7	< 2.0 UJ	9500	< 10	1500	67.0	< 0.1	5.6	960	94	< 0.50
BH21	8 - 10	9.9	< 2.0 UJ	9800	< 10	2800	94.0	< 0.1	7.1	1200	96	< 0.50
BH22	8 - 10	6.2	< 2.0 UJ	10000	< 10	2700	78.0	< 0.1	5.6	1800	89	< 0.50
BH23	4 - 6	2.9	< 2.0 UJ	7400	< 10	3600	76.0	< 0.1	7.6	250	86	< 0.50
BH24	4 - 6										88	
BH25	4 - 6										86	
BH26	7 - 9	< 2.5	< 2.0 UJ	2100	< 10	610	30.0	< 0.1	< 4.0 UJ	430	86	< 0.50
BH27	4 - 6	6.2	< 2.0 UJ	7300 J	< 10	2000 J	86.0 J	< 0.1	7.7 J	1200	95	< 0.50
BH28	4 - 6	2.8	< 2.0 UJ	4100	< 10	1000	33.0	< 0.1	4.3 J	500	94	< 0.50
BH28	4 - 6	2.6	< 2.0 UJ	3600	< 10	960	31.0	< 0.1	4.3 J	450	94	< 0.50
BH29	4 - 6	5.2	< 2.0 UJ	5000	< 10	1000	44.0	< 0.1	4.6 J	440	94	< 0.50
BH30	8 - 10	6.0	< 2.0 UJ	5900	< 10	1400	59.0	< 0.1	5.5 J	700	92	< 0.50
BH31	3 - 5	3.1	< 2.0 UJ	7700	< 10	910	30.0	< 0.1	< 4.0 UJ	200	85	< 0.50
BH32	4 - 6	3.4	< 2.0 UJ	4300	< 10	980	37.0	< 0.1	< 4.0 UJ	450	96	< 0.50
BH32	4 - 6	2.6	< 2.0 UJ	4400	< 10	980	38.0	< 0.1	< 4.0 UJ	410	95	< 0.50
BH33	6 - 8	< 2.5	< 2.0 UJ	3700	< 10	960	32.0	< 0.1	4.5 J	360	94	< 0.50
BH34	6 - 8	2.8	< 2.0 UJ	4300	< 10	920	35.0	< 0.1	4.1 J	380	90	< 0.50
BH35	6 - 8	2.5	< 2.0 UJ	3200	< 10	860	30.0	< 0.1	< 4.0 UJ	390	95	< 0.50
BH36	4 - 6	10	< 2	4900	11	830	34	< 0.1 UJ	< 4	600	87	< 1.4

concentration: mg\kg drywt

SUMMARY OF SUBSURFACE SOIL DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	CU, TOT	CYN, TOT	FE, TOT	PB, TOT	MG, TOT	MN, TOT	HG, TOT	NI, TOT	K, TOT	TRS	SE, TOT
	ft										Wt %	
BH37	4 - 6	9.7	2.3 J	8100	14	2300	79	< 0.1	7.4	860	84	< 0.5
BH38	3 - 5	15	< 2	8500	11	2200	79	< 0.11	8.6	1000	79	< 0.5
BH39	4 - 6	3.2	< 2	3700	< 10	820	26	< 0.11	4.7	250	82	< 0.5
BH40	4 - 6	2.7	< 2	3600	< 10	1100	35	< 0.13	4.8	530	72	< 0.5

concentration: mg\kgdrywt

SUMMARY OF SUBSURFACE SOIL DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	AG, TOT	NA, TOT	SO4, TOT	TL, TOT	TOC	V, TOT	ZN, TOT
	ft							
BH01	6 - 8	< 1.5	67	1400 J	< 0.50	16000 J	12.0	21.0
BH02	6 - 8	< 1.5	79	13000 J	< 0.50	7700 J	12.0	24.0
BH03	6 - 8	< 1.5	100	2700 J	< 0.50	6600 J	17.0	30.0
BH04	6 - 8	< 1.5	240	33000 J	< 0.50	28000 J	21.0	84.0
BH05	6 - 8	< 1.5	120	1600 J	< 0.50	0 NR	16.0	30.0
BH06	4 - 6	< 1.5	160	1300 J	< 0.64	0 NR	18.0	31.0
BH07	4 - 6	< 1.5	140	680 J	< 0.50	8700	16.0	17.0
BH08	4 - 6	< 1.5	95	2000 J	< 0.50		5.9	14.0
BH09	4 - 6	< 1.5	140	210 J	< 0.50		18.0	27.0
BH10	4 - 6	< 1.5	70	6100 J	< 0.50		< 1.5	< 2.5
BH11	4 - 6	< 1.5	150	140 J	< 0.50		13.0	27.0
BH11	10 - 12	< 1.5	120	110 J	< 0.50		16.0	23.0
BH12	4 - 6	< 1.5	190	87 J	< 0.50		24.0	33.0
BH13	8 - 10	< 1.5	100	67 J	< 0.50		15.0	21.0
BH14	4 - 6	< 1.5 NR	200	110 J	< 0.50		12.0	32.0
BH15	8 - 10	4.5	100	47 J	< 0.50		10.0	33.0
BH16	4 - 6	< 1.5	82	40 J	< 0.50		10.0	28.0
BH17	8 - 10	< 1.5	120	< 20 UJ	< 0.50		13.0	29.0
BH18	4 - 6	< 1.5	440	< 20 UJ	< 0.50		2.6	3.2
BH19	5 - 7	< 1.5	71	< 20 UJ	< 0.50		4.9	8.0
BH20	10 - 12	< 1.5	100	120 J	< 0.50		8.4	23.0
BH21	8 - 10	< 1.5	200	230 J	< 0.50		11.0	18.0
BH22	8 - 10	< 1.5	140	37 J	< 0.50		14.0	18.0
BH23	4 - 6	< 1.5	40	140 J	< 0.50		18.0	18.0
BH24	4 - 6			120 J				
BH25	4 - 6			< 20 UJ				
BH26	7 - 9	< 1.5	96	< 20 UJ	< 0.50		< 2.5	3.4
BH27	4 - 6	< 1.5	41	< 20 UJ	< 0.50		10.0	16.0
BH28	4 - 6	< 1.5	30	22 J	< 0.50		5.6	15.0
BH28	4 - 6	< 1.5	26	28 J	< 0.50		4.9	16.0
BH29	4 - 6	< 1.5	54	80 J	< 0.50		6.2	12.0
BH30	8 - 10	< 1.5	130	58 J	< 0.50		8.6	18.0
BH31	3 - 5	< 1.5	55	< 20 UJ	< 0.50		7.0	8.0
BH32	4 - 6	< 1.5	22	28 J	< 0.50		5.4	11.0
BH32	4 - 6	< 1.5	24	< 20 UJ	< 0.50		5.0	9.6
BH33	6 - 8	< 1.5	26	< 20 UJ	< 0.50		5.5	9.9
BH34	6 - 8	< 1.5	110	120 J	< 0.50		4.2	7.1
BH35	6 - 8	< 1.5	31	23 J	< 0.50		4.2	8.5
BH36	4 - 6	< 1.5	120	< 20	< 0.5		13	9.2

concentration: mg\kgdrywt

SUMMARY OF SUBSURFACE SOIL DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

LOCATION	RANGE	AG, TOT	NA, TOT	SO4, TOT	TL, TOT	TOC	V, TOT	ZN, TOT
	ft							
BH37	4 - 6	< 1.5	100	< 40	< 0.5		14	20
BH38	3 - 5	< 1.5	90	< 80	< 0.5		19	33
BH39	4 - 6	< 1.5	21	34	< 0.5		5.8	33
BH40	4 - 6	< 1.5	34	< 27	< 0.5		5.5	47

concentration: mg\kgdrywt

TAB 16

SUMMARY OF SURFACE SOIL DATA

SUMMARY OF SURFACE SOIL DATA - PESTICIDE's AND PCB's

OLIN - WILMINGTON FACILITY

LOCATION	44DDD	44DDE	44DDT	ALDRN	ABHC	ACLDAN	BBHC	DBHC	DLDRN	AENSLF	BENSLF
AREA 01	< 53 UJ	< 53 UJ	< 53 UJ	< 26 UJ	< 26 UJ	< 260 UJ	< 26 UJ	< 26 UJ	< 53 UJ	< 26 UJ	< 53 UJ
AREA 02	< 37 UJ	< 37 UJ	< 37 UJ	< 18 UJ	< 18 UJ	< 180 UJ	< 18 UJ	< 18 UJ	< 37 UJ	< 18 UJ	< 37 UJ
AREA 03	< 45 UJ	< 45 UJ	< 45 UJ	< 22 UJ	< 22 UJ	< 220 UJ	< 22 UJ	< 22 UJ	< 45 UJ	< 22 UJ	< 45 UJ
AREA 04	39 J	49 J	680 J	< 17 UJ	< 17 UJ	< 170 UJ	< 17 UJ	< 17 UJ	680 UJ	< 17 UJ	< 34 UJ
AREA 05	< 48 UJ	< 48 UJ	61 J	< 24 UJ	< 24 UJ	< 240 UJ	< 24 UJ	< 24 UJ	< 61 UJ	< 24 UJ	< 61 UJ
AREA 06	< 32 UJ	< 32 UJ	< 32 UJ	< 16 UJ	< 16 UJ	< 160 UJ	< 16 UJ	< 16 UJ	< 32 UJ	< 16 UJ	< 32 UJ
AREA 07	< 21 UJ	< 21 UJ	< 21 UJ	< 16 UJ	< 16 UJ	< 160 UJ	< 16 UJ	< 16 UJ	< 21 UJ	< 16 UJ	< 21 UJ
AREA 08	< 45 UJ	< 45 UJ	< 45 UJ	< 22 UJ	< 22 UJ	< 220 UJ	< 22 UJ	< 22 UJ	< 45 UJ	< 22 UJ	< 45 UJ
AREA 09	< 38 UJ	< 38 UJ	< 38 UJ	< 19 UJ	< 19 UJ	< 190 UJ	< 19 UJ	< 19 UJ	< 38 UJ	< 19 UJ	< 38 UJ
AREA 10	< 34 UJ	< 34 UJ	< 34 UJ	< 170 UJ	< 170 UJ	< 170 UJ	< 170 UJ	< 170 UJ	< 34 UJ	< 170 UJ	< 34 UJ
AREA 10	< 51 UJ	< 51 UJ	< 51 UJ	< 26 UJ	< 26 UJ	< 260 UJ	< 26 UJ	< 26 UJ	< 51 UJ	< 26 UJ	< 51 UJ
SMWU25	< 3.3	< 3.3	< 3.3	< 1.7 J	< 1.7	< 1.7	< 1.7	< 1.7	< 3.3	< 1.7	< 3.3
SMWU 27	< 40 UJ	< 40 UJ	< 40 UJ	< 20 UJ	220 J	< 200 UJ	< 20 UJ	< 20 UJ	< 40 UJ	< 20 UJ	92 J
SMWU 30	< 54 UJ	< 54 UJ	1700 J	< 27 UJ	< 27 UJ	< 270 UJ	< 27 UJ	< 27 UJ	< 54 UJ	< 27 UJ	340 J
SMWU 33	< 100 UJ	< 100 UJ	< 100 UJ	< 52 UJ	< 52 UJ	< 52 UJ	< 52 UJ	< 52 UJ	< 100 UJ	< 52 UJ	< 100 UJ

concentration: ug/kgdrywt

SUMMARY OF SURFACE SOIL DATA - PESTICIDE's AND PCB's

OLIN - WILMINGTON FACILITY

LOCATION	ESFSO4	ENDRN	ENDRNA	ENDRNK	LIN	GCLDAN	HPCL	HPCLE	MEOXCL	PCB016	PCB221
AREA 01	< 53 UJ	< 53 UJ	< 26 UJ	< 53 UJ	< 26 UJ	< 260 UJ	< 26 UJ	< 26 UJ	< 260 UJ	< 260 UJ	< 260 UJ
AREA 02	< 37 UJ	< 37 UJ	< 18 UJ	< 37 UJ	< 18 UJ	< 180 UJ	< 18 UJ	< 18 UJ	< 180 UJ	< 180 UJ	< 180 UJ
AREA 03	< 45 UJ	< 45 UJ	< 22 UJ	< 45 UJ	< 22 UJ	< 220 UJ	< 22 UJ	< 22 UJ	< 220 UJ	< 220 UJ	< 220 UJ
AREA 04	< 34 UJ	< 34 UJ	< 17 UJ	< 34 UJ	< 17 UJ	< 170 UJ	< 17 UJ	< 17 UJ	< 170 UJ	< 170 UJ	< 170 UJ
AREA 05	< 61 UJ	< 61 UJ	< 24 UJ	< 61 UJ	< 24 UJ	< 240 UJ	< 24 UJ	< 24 UJ	< 240 UJ	< 240 UJ	< 240 UJ
AREA 06	< 32 UJ	< 32 UJ	< 16 UJ	< 32 UJ	< 16 UJ	< 160 UJ	< 16 UJ	< 16 UJ	< 160 UJ	< 160 UJ	< 160 UJ
AREA 07	< 21 UJ	< 21 UJ	< 16 UJ	< 21 UJ	< 16 UJ	< 160 UJ	< 16 UJ	< 16 UJ	< 160 UJ	< 160 UJ	< 160 UJ
AREA 08	< 45 UJ	< 45 UJ	< 22 UJ	< 45 UJ	< 22 UJ	< 220 UJ	< 22 UJ	< 22 UJ	< 220 UJ	< 220 UJ	< 220 UJ
AREA 09	< 38 UJ	< 38 UJ	< 19 UJ	< 38 UJ	< 19 UJ	< 190 UJ	< 19 UJ	< 19 UJ	< 190 UJ	< 190 UJ	< 190 UJ
AREA 10	< 34 UJ	< 34 UJ	< 170 UJ	< 34 UJ	< 170 UJ	< 170 UJ	< 170 UJ	< 170 UJ	< 170 UJ	< 170 UJ	< 170 UJ
AREA 10	< 51 UJ	< 51 UJ	< 26 UJ	< 51 UJ	< 26 UJ	< 260 UJ	< 26 UJ	< 26 UJ	< 260 UJ	< 260 UJ	< 260 UJ
SMWU25	< 3.3	< 3.3	< 3.3	< 3.3	< 1.7	< 1.7	< 1.7	< 1.7	< 17		
SMWU 27	< 40 UJ	< 40 UJ	< 40 UJ	< 20 UJ	< 40 UJ	< 20 UJ	< 200 UJ	< 20 UJ	< 20 UJ	< 270 UJ	< 200 UJ
SMWU 30	< 54 UJ	< 54 UJ	< 54 UJ	< 27 UJ	< 54 UJ	< 27 UJ	< 270 UJ	< 27 UJ	< 27 UJ	< 270 UJ	< 270 UJ
SMWU 33	< 100 UJ	< 100 UJ	< 100 UJ	< 52 UJ	< 100 UJ	< 52 UJ	< 520 UJ	< 52 UJ	< 52 UJ	980 J	< 520 UJ

concentration: ug/kgdrywt

SUMMARY OF SURFACE SOIL DATA - VOC's

OLIN - WILMINGTON FACILITY

LOCATION	111TCE	2TCLEA	112TCE	11DCLE	11DCE	12DCLE	12DCE	12DCLP	244TM1P	244TM2P	MEK	MNBK	MIBK
AREA 01	< 8.0 UJ	< 8.0 UJ	< 8.0 UJ	< 8.0 UJ	< 8.0 UJ	< 8.0 UJ	< 8.0 UJ	< 8.0 UJ	< 16	< 16	< 24 UJ	< 24 UJ	< 24 UJ
AREA 02	< 5.5 UJ	< 5.5 UJ	< 5.5 UJ	< 5.5 UJ	< 5.5 UJ	< 5.5 UJ	< 5.5 UJ	< 5.5 UJ	< 11	< 11	< 16 UJ	< 16 UJ	< 16 UJ
AREA 03	< 7.0 UJ	< 7.0 UJ	< 7.0 UJ	< 7.0 UJ	< 7.0 UJ	< 7.0 UJ	< 7.0 UJ	< 7.0 UJ	< 14	< 14	< 21 UJ	< 21 UJ	< 21 UJ
AREA 04	< 5.5 UJ	< 5.5 UJ	< 5.5 UJ	< 5.5 UJ	< 5.5 UJ	< 5.5 UJ	< 5.5 UJ	< 5.5 UJ	< 11	< 11	< 16 UJ	< 16 UJ	< 16 UJ
AREA 05	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 10	< 15	< 15	< 15
AREA 06	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 10	< 15	< 15	< 15
AREA 07	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 10	< 15	< 15	< 15
AREA 08	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0	14	5 J	< 21	< 21	< 21
AREA 09	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 12	< 12	< 18 UJ	< 18 UJ	< 18 UJ
AREA 10	< 5.0 UJ	< 5.0 UJ	< 5.0 UJ	< 5.0 UJ	< 5.0 UJ	< 5.0 UJ	< 5.0 UJ	< 5.0 UJ	< 10	< 10	< 15 UJ	< 15 UJ	< 15 UJ
AREA 10	< 5.5 UJ	< 5.5 UJ	< 5.5 UJ	< 5.5 UJ	< 5.5 UJ	< 5.5 UJ	< 5.5 UJ	< 5.5 UJ	< 11	< 11	< 16 UJ	< 16 UJ	< 16 UJ
SMWU 25	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15	< 15	< 15
SWMU 27	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	300 J	39	< 18.0 U	< 18.0 UJ	< 18.0 UJ
SWMU 30	< 8.5 UJ	< 8.5 UJ	< 8.5 UJ	< 8.5 UJ	< 8.5 UJ	< 8.5 UJ	< 8.5 UJ	< 8.5 UJ	18	< 17	< 26.0 U	< 26.0 UJ	7.0 J
SWMU 33	< 16.0 UJ	< 16.0 UJ	< 16.0 UJ	< 16.0 UJ	< 16.0 UJ	< 16.0 UJ	< 16.0 UJ	< 16.0 UJ	< 33	< 33	< 50.0 U	< 50.0 UJ	< 50.0 UJ

concentration:ug\kgdrywt

SUMMARY OF SURFACE SOIL DATA - VOC's

OLIN - WILMINGTON FACILITY

LOCATION	ACET	C6H6	BRDCLM	CHBR3	CH3BR	CS2	CCL4	CLC6H5	C2H5CL	CCL3	CH3CL	C13DCP	DBRCLM
AREA 01	< 24 UJ	< 8.0 UJ	< 8.0 UJ	< 8.0 UJ	< 16 UJ	< 16 UJ	< 8.0 UJ	< 8.0 UJ	< 16.0 UJ	< 8.0 UJ	< 16.0 UJ	< 8.0 UJ	< 8.0 UJ
AREA 02	< 16 U	< 5.5 UJ	< 5.5 UJ	< 5.5 UJ	< 11 UJ	< 11 UJ	< 5.5 UJ	< 5.5 UJ	< 11.0 UJ	< 5.5 UJ	< 11.0 UJ	< 5.5 UJ	< 5.5 UJ
AREA 03	< 21 UJ	< 7.0 UJ	< 7.0 UJ	< 7.0 UJ	< 14 UJ	< 14 UJ	< 7.0 UJ	< 7.0 UJ	< 14.0 UJ	< 7.0 UJ	< 14.0 UJ	< 7.0 UJ	< 7.0 UJ
AREA 04	< 16 U	< 5.5 UJ	< 5.5 UJ	< 5.5 UJ	< 11 UJ	< 11 UJ	< 5.5 UJ	< 5.5 UJ	< 11.0 UJ	< 5.5 UJ	< 11.0 UJ	< 5.5 UJ	< 5.5 UJ
AREA 05	< 15	< 5.0	< 5.0	< 5.0	< 10	< 10	< 5.0	< 5.0	< 10.0	< 5.0	< 10.0	< 5.0	< 5.0
AREA 06	< 15 U	< 5.0	< 5.0	< 5.0	< 10	< 10	< 5.0	< 5.0	< 10.0	< 5.0	< 10.0	< 5.0	< 5.0
AREA 07	< 15	< 5.0	< 5.0	< 5.0	< 10	< 10	< 5.0	< 5.0	< 10.0	< 5.0	< 10.0	< 5.0	< 5.0
AREA 08	< 21 U	< 7.0	< 7.0	< 7.0	< 14	< 14	< 7.0	< 7.0	< 14.0	< 7.0	< 14.0	< 7.0	< 7.0
AREA 09	< 18 UJ	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 12 UJ	< 12 UJ	< 6.0 UJ	< 6.0 UJ	< 12.0 UJ	< 6.0 UJ	< 12.0 UJ	< 6.0 UJ	< 6.0 UJ
AREA 10	< 15 UJ	< 5.0 UJ	< 5.0 UJ	< 5.0 UJ	< 10 UJ	< 10 UJ	< 5.0 UJ	< 5.0 UJ	< 10.0 UJ	< 5.0 UJ	< 10.0 UJ	< 5.0 UJ	< 5.0 UJ
AREA 10	< 16 U	< 5.5 UJ	< 5.5 UJ	< 5.5 UJ	< 11 UJ	< 11 UJ	< 5.5 UJ	< 5.5 UJ	< 11.0 UJ	< 5.5 UJ	< 11.0 UJ	< 5.5 UJ	< 5.5 UJ
SMWU 25	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10	< 5	< 10	< 5	< 5
SWMU 27	93.0 J	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 12.0 UJ	< 12.0 UJ	< 6.0 UJ	< 6.0 UJ	< 12.0 UJ	< 6.0 UJ	< 12.0 UJ	< 6.0 UJ	< 6.0 UJ
SWMU 30	< 25.0 U	< 8.5 UJ	< 8.5 UJ	< 8.5 UJ	< 17.0 UJ	< 17.0 UJ	< 8.5 UJ	< 8.5 UJ	< 17.0 UJ	< 8.5 UJ	< 17.0 UJ	< 8.5 UJ	< 8.5 UJ
SWMU 33	< 14.0 U	< 16.0 UJ	< 16.0 UJ	< 16.0 UJ	< 33.0 UJ	< 33.0 UJ	< 16.0 UJ	< 16.0 UJ	< 33.0 UJ	< 16.0 UJ	< 33.0 UJ	< 16.0 UJ	< 16.0 UJ

concentration:ug\kgdrywt

SUMMARY OF SURFACE SOIL DATA - VOC's

OLIN - WILMINGTON FACILITY

LOCATION	ETC6H5	C2CL2	STYR	TCLEE	MEC6H5	TXYLEN	TL3DCP	TRCLE	C2AVE	C2H3CL
AREA 01	< 8.0 UJ	< 16 U	< 8.0 UJ	< 8.0 UJ	< 8.0 UJ	< 8.0 UJ	< 8.0 UJ	< 8.0 UJ	< 24 UJ	< 16 UJ
AREA 02	< 5.5 UJ	18 UJ	< 5.5 UJ	< 5.5 UJ	< 5.5 UJ	< 5.5 UJ	< 5.5 UJ	< 5.5 UJ	< 16 UJ	< 11 UJ
AREA 03	< 7.0 UJ	20 UJ	< 7.0 UJ	1.0 J	< 7.0 UJ	< 7.0 UJ	< 7.0 UJ	< 7.0 UJ	< 21 UJ	< 14 UJ
AREA 04	< 5.5 UJ	19 UJ	< 5.5 UJ	< 5.5 UJ	2.0 J	< 5.5 UJ	< 5.5 UJ	< 5.5 UJ	< 16 UJ	< 11 UJ
AREA 05	< 5.0	< 13 U	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 15	< 10
AREA 06	< 5.0	< 10 U	< 5.0	< 5.0	3.0 J	< 5.0	< 5.0	< 5.0	< 15	< 10
AREA 07	< 5.0	< 10 U	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 15	< 10
AREA 08	< 7.0	36	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0	< 21	< 14
AREA 09	< 6.0 UJ	41 UJ	< 6.0 UJ	< 6.0 UJ	4.0 J	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 18 UJ	< 12 UJ
AREA 10	< 5.0 UJ	< 10 U	< 5.0 UJ	< 5.0 UJ	2.0 J	< 5.0 UJ	< 5.0 UJ	< 5.0 UJ	< 15 UJ	< 10 UJ
AREA 10	< 5.5 UJ	< 11 U	< 5.5 UJ	< 5.5 UJ	4.0 J	< 5.5 UJ	< 5.5 UJ	< 5.5 UJ	< 16 UJ	< 11 UJ
SMWU 25	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 15	< 10
SWMU 27	< 6.0 UJ	47.0 J	< 6.0 UJ	73.0 J	15.0 J	< 6.0 UJ	< 6.0 UJ	< 6.0 UJ	< 18.0 UJ	< 12.0 UJ
SWMU 30	< 8.5 UJ	22.0 U	< 8.5 UJ	< 8.5 UJ	13.0 J	< 8.5 UJ	< 8.5 UJ	< 8.5 UJ	< 26.0 UJ	< 17.0 UJ
SWMU 33	< 16.0 UJ	< 32.0 U	< 16.0 UJ	1.0 J	1.0 J	< 16.0 UJ	< 16.0 UJ	< 16.0 UJ	< 50.0 UJ	< 33.0 UJ

concentration:ug\kgdrywt

SUMMARY OF SURFACE SOIL DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	124TCB	12DCLB	13DCLB	14DCLB	245TCP	246TCP	24DCLP	24DMPN	24DNP	24DNT	26DNT	2CNAP	2CLP
AREA 01	< 1100	< 1100	< 1100	< 1100	< 5300	< 1100	< 1100	< 1100	< 5300	< 1100	< 1100	< 1100	< 1100
AREA 02	< 760	< 760	< 760	< 760	< 3700	< 760	< 760	< 760	< 3700	< 760	< 760	< 760	< 760
AREA 03	< 920	< 920	< 920	< 920	< 4500	< 920	< 920	< 920	< 4500	< 920	< 920	< 920	< 920
AREA 04	< 690	< 690	< 690	< 690	< 3400	< 690	< 690	< 690	< 3400	< 690	< 690	< 690	< 690
AREA 05	< 990	< 990	< 990	< 990	< 4800	< 990	< 990	< 990	< 4800	< 990	< 990	< 990	< 990
AREA 06	< 660	< 660	< 660	< 660	< 3200	< 660	< 660	< 660	< 3200	< 660	< 660	< 660	< 660
AREA 07	< 690 UJ	< 690 UJ	< 690 UJ	< 690 UJ	< 3400 UJ	< 690 UJ	< 690 UJ	< 690 UJ	< 3400 UJ	< 690 UJ	< 690 UJ	< 690 UJ	< 690 UJ
AREA 08	< 1100	< 1100	< 1100	< 1100	< 5300	< 1100	< 1100	< 1100	< 5300	< 1100	< 1100	< 1100	< 1100
AREA 09	< 790	< 790	< 790	< 790	< 3800	< 790	< 790	< 790	< 3800	< 790	< 790	< 790	< 790
AREA 10	< 690	< 690	< 690	< 690	< 3400	< 690	< 690	< 690	< 3400	< 690	< 690	< 690	< 690
AREA 10	< 1000	< 1000	< 1000	< 1000	< 5100	< 1000	< 1000	< 1000	< 5100	< 1000	< 1000	< 1000	< 1000
SMWU 25	< 330	< 330	< 330	< 330	< 820	< 330	< 330	< 330	< 820	< 330	< 330	< 330	< 330
SWMU 27	< 2500 UJ	< 2500 UJ	< 2500 UJ	< 2500 UJ	< 12000 UJ	< 2500 UJ	< 2500 UJ	< 2500 UJ	< 12000 UJ	< 2500 UJ	< 2500 UJ	< 2500 UJ	< 2500 UJ
SWMU 30	< 2300 R	< 2300 R	< 2300 R	< 2300 R	< 11000 UJ	< 2300 UJ	< 2300 UJ	< 2300 UJ	< 11000 UJ	< 2300 R	< 2300 R	< 2300 R	< 2300 UJ
SWMU 33	< 2200 UJ	< 2200 UJ	< 2200 UJ	< 2200 UJ	< 11000 UJ	< 2200 UJ	< 2200 UJ	< 2200 UJ	< 11000 UJ	< 2200 UJ	< 2200 UJ	< 2200 UJ	< 2200 UJ

concentration: ug/kgdrywt

SUMMARY OF SURFACE SOIL DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	2MNAP	2MP	2NANIL	2NP	33DCBD	3NANIL	46DN2C	4BRPPE	4CL3MP	4CANIL	4CLPPE	4MP	4NANIL
AREA 01	< 1100	< 1100	< 5300	< 1100	< 2200	< 5300	< 5300	< 1100	< 1100	< 1100	< 1100	< 1100	< 5300
AREA 02	67 J	< 760	< 3700	< 760	< 1500	< 3700	< 3700	< 760	< 760	< 760	< 760	< 760	< 3700
AREA 03	< 920	< 920	< 4500	< 920	< 1800	< 4500	< 4500	< 920	< 920	< 920	< 920	< 920	< 4500
AREA 04	75 J	< 690	< 3400	< 690	< 1400	< 3400	< 3400	< 690	< 690	< 690	< 690	< 690	< 3400
AREA 05	< 990	< 990	< 4800	< 990	< 2000	< 4800	< 4800	< 990	< 990	< 990	< 990	< 990	< 4800
AREA 06	< 660	< 660	< 3200	< 660	< 1300	< 3200	< 3200	< 660	< 660	< 660	< 660	< 660	< 3200
AREA 07	< 690 UJ	< 690 UJ	< 3400 UJ	< 690 UJ	< 1400 UJ	< 3400 UJ	< 3400 UJ	< 690 UJ	< 690 UJ	< 690 UJ	< 690 UJ	< 690 UJ	< 3400 UJ
AREA 08	< 1100	< 1100	< 5300	< 1100	< 2200	< 5300	< 5300	< 1100	< 1100	< 1100	< 1100	< 1100	< 5300
AREA 09	38 J	< 790	< 3800	< 790	< 1600	< 3800	< 3800	< 790	< 790	< 790	< 790	< 790	< 3800
AREA 10	< 690	< 690	< 3400	< 690	< 1400	< 3400	< 3400	< 690	< 690	< 690	< 690	< 690	< 3400
AREA 10	< 1000	< 1000	< 5100	< 1000	< 2100	< 5100	< 5100	< 1000	< 1000	< 1000	< 1000	< 1000	< 5100
SMWU 25	< 330	< 330	< 820	< 330	< 330	< 820	< 820	< 330	< 330	< 330	< 330	< 330	< 820
SWMU 27	< 2500 UJ	< 2500 UJ	< 12000 UJ	< 2500 UJ	< 5000 UJ	< 12000 UJ	< 12000 UJ	< 2500 UJ	< 2500 UJ	< 2500 UJ	< 2500 UJ	< 2500 UJ	< 12000 UJ
SWMU 30	< 2300 R	< 2300 UJ	< 11000 R	< 2300 UJ	< 4600 R	< 11000 R	< 11000 R	< 2300 R	< 2300 UJ	< 2300 R	< 2300 R	< 2300 R	< 11000 R
SWMU 33	< 2200 UJ	< 2200 UJ	< 11000 UJ	< 2200 UJ	< 4400 UJ	< 11000 UJ	< 11000 UJ	< 2200 UJ	< 2200 UJ	< 2200 UJ	< 2200 UJ	< 2200 UJ	< 11000 UJ

concentration: ug/kgdrywt

SUMMARY OF SURFACE SOIL DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	4NP	ANAPNE	ANAPYL	ANTRC	BAANTR	BAPYR	BBFANT	BGHIPY	BKFANT	BENZOA	BZALC	B2CEXM	B2CLEE
AREA 01	< 5300	< 1100	< 1100	< 1100	99 J	59 J	180 J	< 1100	65 J	< 5300	< 1100	< 1100	< 1100
AREA 02	< 3700	< 760	< 760	< 760	75 J	57 J	130 J	< 760	42 J	< 3700	< 760	< 760	< 760
AREA 03	< 4500	< 920	< 920	< 920	99 J	72 J	160 J	< 920	39 J	< 4500	< 920	< 920	< 920
AREA 04	< 3400	< 690	57 J	69 J	360 J	240 J	560 J	< 690	150 J	< 3400	< 690	< 690	< 690
AREA 05	< 4800	< 990	33 J	44 J	220 J	220 J	310 J	120 J	110 J	< 4800	< 990	< 990	< 990
AREA 06	< 3200	< 660	< 660	< 660	56 J	44 J	66 J	41 J	24 J	< 3200	< 660	< 660	< 660
AREA 07	< 3400 UJ	< 690 UJ	< 690 UJ	< 690 UJ	29 J	30 J	39 J	< 690 UJ	< 690 UJ	< 3400 UJ	< 690 UJ	< 690 UJ	< 690 UJ
AREA 08	< 5300	< 1100	< 1100	< 1100	< 1100	< 1100	< 1100	< 1100	< 1100	270 J	< 1100	< 1100	< 1100
AREA 09	< 3800	< 790	< 790	< 790	100 J	94 J	170 J	82 J	51 J	220 J	< 790	< 790	< 790
AREA 10	< 3400	< 690	< 690	< 690	39 J	35 J	48 J	29 J	18 J	< 3400	< 690	< 690	< 690
AREA 10	< 5100	< 1000	< 1000	< 1000	37 J	57 J	85 J	< 1000	< 1000	< 5100	< 1000	< 1000	< 1000
SMWU 25	< 820	< 330	< 330	< 330	< 330	89 J	61 J	< 330	< 330	< 1600	< 330	< 330	< 330
SWMU 27	< 12000 UJ	< 2500 UJ	< 2500 UJ	< 2500 UJ	< 2500 UJ	< 2500 UJ	< 2500 UJ	< 2500 UJ	< 2500 UJ	< 12000 UJ	< 2500 UJ	< 2500 UJ	< 2500 UJ
SWMU 30	< 11000 UJ	< 2300 R	< 2300 R	< 2300 R	< 2300 R	< 2300 R	< 2300 R	< 2300 R	< 2300 R	< 11000 UJ	< 2300 R	< 2300 R	< 2300 R
SWMU 33	< 11000 UJ	< 2200 UJ	< 2200 UJ	< 2200 UJ	< 2200 UJ	< 2200 UJ	< 2200 UJ	< 2200 UJ	< 2200 UJ	< 11000 UJ	< 2200 UJ	< 2200 UJ	< 2200 UJ

concentration: ug/kgdrywt

SUMMARY OF SURFACE SOIL DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	B2CIPE	B2EHP	BBZP	CHRY	DNBP	DNOP	DBAHA	DBZFUR	DEP	DMP	FANT	FLRENE	CL6BZ
AREA 01	< 1100	2900	< 1100	170 J	< 1100	< 1100	< 1100	< 1100	< 1100	< 1100	250 J	< 1100	< 1100
AREA 02	< 760	130 J	< 760	150 J	14 J	< 760	< 760	< 760	< 760	< 760	190 J	< 760	< 760
AREA 03	< 920	530 J	< 920	150 J	< 920	< 920	< 920	< 920	< 920	< 920	200 J	< 920	< 920
AREA 04	< 690	340 J	61 J	640 J	34 J	< 690	74 J	< 690	< 690	< 690	940	< 690	< 690
AREA 05	< 990	820 J	130 J	400 J	36 J	< 990	< 990	< 990	< 990	< 990	510 J	< 990	< 990
AREA 06	< 660	1400	35 J	72 J	35 J	20 J	< 660	< 660	33 J	64 J	110 J	< 660	< 660
AREA 07	< 690 UJ	2000 J	< 690 UJ	53 J	18 J	53 J	< 690 UJ	< 690 UJ	< 690 UJ	< 690 UJ	72 J	< 690 UJ	< 690 UJ
AREA 08	< 1100	89000	800 J	< 1100	< 1100	170 J	< 1100	< 1100	< 1100	< 1100	< 1100	< 1100	< 1100
AREA 09	< 790	240 J	< 790	190 J	< 790	< 790	< 790	< 790	21 J	< 790	280 J	< 790	< 790
AREA 10	< 690	66 J	< 690	46 J	< 690	< 690	< 690	< 690	< 690	< 690	87 J	< 690	< 690
AREA 10	< 1000	100 J	< 1000	43 J	17 J	< 1000	< 1000	< 1000	< 1000	< 1000	78 J	< 1000	< 1000
SMWU 25	< 330	2200	< 330	84 J	< 330	< 330	< 330	< 330	< 330	< 330	95 J	< 330	< 330
SWMU 27	< 2500 UJ	5500000 J	2600 J	< 2500 UJ	10000 J	4700 J	< 2500 UJ	< 2500 UJ	< 2500 UJ	< 2500 UJ	< 2500 UJ	< 2500 UJ	< 2500 UJ
SWMU 30	< 2300 R	3E+07 R	14000 R	< 2300 R	89000 R	16000 R	< 2300 R	< 2300 R	< 2300 R	< 2300 UJ	< 2300 R	< 2300 R	< 2300 R
SWMU 33	< 2200 UJ	34000 J	< 2200 UJ	< 2200 UJ	270 J	< 2200 UJ	< 2200 UJ	< 2200 UJ	< 2200 UJ	< 2200 UJ	< 2200 UJ	< 2200 UJ	< 2200 UJ

concentration: ug/kgdrywt

SUMMARY OF SURFACE SOIL DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	HCBD	CL6CP	CL6ET	ICDPYR	ISOPHR	NNDNPA	NNDPA	NAP	NB	PCP	PHANTR	PHENOL	PYR
AREA 01	< 1100	< 1100	< 1100	64 J	< 1100	< 1100	< 1100	< 1100	< 1100	< 1100	160 J	< 1100	160 J
AREA 02	< 760	< 760	< 760	51 J	< 760	< 760	< 760	49 J	< 760	< 760	170 J	< 760	140 J
AREA 03	< 920	< 920	< 920	92 J	< 920	< 920	< 920	< 920	< 920	< 920	150 J	< 920	180 J
AREA 04	< 690	< 690	< 690	200 J	< 690	< 690	< 690	66 J	< 690	< 690	680 J	< 690	660 J
AREA 05	< 990	< 990	< 990	130 J	< 990	< 990	59 J	< 990	< 990	< 990	340 J	69 J	450 J
AREA 06	< 660	< 660	< 660	38 J	< 660	< 660	480 J	< 660	< 660	< 660	64 J	47 J	77 J
AREA 07	< 690 UJ	< 690 UJ	< 690 UJ	35 J	< 690 UJ	< 690 UJ	< 690 UJ	< 690 UJ	< 690 UJ	< 690 UJ	31 J	< 690 UJ	56 J
AREA 08	< 1100	< 1100	< 1100	64 J	< 1100	< 1100	560 J	< 1100	< 1100	< 1100	< 1100	< 1100	120 J
AREA 09	< 790	< 790	< 790	110 J	< 790	< 790	< 790	27 J	< 790	< 790	180 J	< 790	170 J
AREA 10	< 690	< 690	< 690	34 J	< 690	< 690	< 690	< 690	< 690	< 690	43 J	< 690	66 J
AREA 10	< 1000	< 1000	< 1000	60 J	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	41 J	< 1000	60 J
SMWU 25	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 820	39 J	< 330	66 J
SWMU 27	< 2500 UJ	< 2500 UJ	< 2500 UJ	< 2500 UJ	< 2500 UJ	< 2500 UJ	32000 J	< 2500 UJ	< 2500 UJ	< 2500 UJ	< 2500 UJ	< 2500 UJ	< 2500 UJ
SWMU 30	< 2300 R	< 2300 R	< 2300 R	< 2300 R	< 2300 R	< 2300 R	31000 R	< 2300 R	< 2300 R	< 2300 UJ	< 2300 R	< 2300 UJ	< 2300 R
SWMU 33	< 2200 UJ	< 2200 UJ	< 2200 UJ	< 2200 UJ	< 2200 UJ	< 2200 UJ	< 2200 UJ	< 2200 UJ	< 2200 UJ	< 2200 UJ	< 2200 UJ	< 2200 UJ	< 2200 UJ

concentration: ug/kgdrywt

SUMMARY DETECTED OF SURFACE SOIL DATA - PESTICIDE's AND PCB's

OLIN - WILMINGTON FACILITY

LOCATION	PCB232	PCB242	PCB248	PCB254	PCB260	TXPHEN
AREA 01	< 260 UJ	< 260 UJ	< 260 UJ	< 530 UJ	< 530 UJ	< 530 UJ
AREA 02	< 180 UJ	< 180 UJ	< 180 UJ	< 370 UJ	< 370 UJ	< 370 UJ
AREA 03	< 220 UJ	< 220 UJ	< 220 UJ	< 450 UJ	< 450 UJ	< 450 UJ
AREA 04	< 170 UJ	< 170 UJ	< 170 UJ	< 340 UJ	< 340 UJ	< 340 UJ
AREA 05	< 240 UJ	< 240 UJ	< 240 UJ	< 480 UJ	< 480 UJ	< 480 UJ
AREA 06	< 160 UJ	< 160 UJ	< 160 UJ	< 320 UJ	< 320 UJ	< 320 UJ
AREA 07	< 160 UJ	< 160 UJ	< 160 UJ	< 320 UJ	< 320 UJ	< 320 UJ
AREA 08	< 220 UJ	< 220 UJ	< 220 UJ	< 450 UJ	< 450 UJ	< 450 UJ
AREA 09	< 190 UJ	< 190 UJ	< 190 UJ	< 380 UJ	< 380 UJ	< 380 UJ
AREA 10	< 170 UJ	< 170 UJ	< 170 UJ	< 340 UJ	< 340 UJ	< 340 UJ
AREA 10	< 260 UJ	< 260 UJ	< 260 UJ	< 510 UJ	< 510 UJ	< 510 UJ
SMWU25						< 33
SMWU 27	< 200 UJ	< 200 UJ	< 200 UJ	< 400 UJ	< 400 UJ	< 400 UJ
SMWU 30	< 270 UJ	< 270 UJ	< 270 UJ	< 540 UJ	< 540 UJ	< 540 UJ
SMWU 33	< 520 UJ	< 520 UJ	< 520 UJ	< 1000 UJ	< 1000 UJ	< 1000 UJ

concentration: ug/kgdrywt

SUMMARY OF SURFACE SOIL DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

LOCATION	AL, TOT	AMMONIA AS N	SB, TOT	AS, TOT	BA, TOT	BE, TOT	CD, TOT	CA, TOT	CL, TOT	CRHEXDIS *	CR, TOT
AREA 01	8000	43	< 22	24.0	25	< 1.7	< 1.1	1200	49 J		320.0
AREA 02	5900	25	< 20	7.0	38	< 1.5	< 1.0	720	68 J		8.8
AREA 03	6000	39	< 20	11.0	42	< 1.5	< 1.0	1400	< 40 UJ		19.0
AREA 04	4300	23	< 20	8.6	20	< 1.5	< 1.0	990	< 40 UJ		27.0
AREA 05	4800	14	< 20	15.0	21	< 1.5	< 1.0	1600	< 40 UJ		12.0
AREA 06	4800	18	< 20	6.8	19	< 1.5	< 1.0	1100	< 40 UJ		27.0
AREA 07	9000	19	< 20 UJ	19.0 J	34	< 1.5	1.3	5200	< 40 UJ		85.0
AREA 08	9100	170	< 20	7.0	21	< 1.5	< 1.0	53000	110 J		750.0
AREA 09	5600	27	< 20	9.8	22	< 1.5	< 1.0	910	56 J		23.0
AREA 10	10000	19	< 20	12.0	29	< 1.5	< 1.0	1400	45 J		16.0
AREA 10	9500	15	< 20	12.0	27	< 1.5	< 1.0	1300	78 J		19.0
SMWU25	4700	0	< 20 UJ	7.9 J	14	< 1.5	< 1	670	< 40		19
SMWU27										17 J	280 J
SMWU 27	5200	670.0 J	76	4.3	21.0	< 1.5	< 1.0	240	< 40.0 UJ		4500.0
SMWU 30	7300	400.0	54	13.0	47.0	< 1.6	< 1.1	650	250.0 J		3600.0
SMWU 33	59000	300.0	79	18.0	21.0	4.0	5.8	1400	560.0 J		5000.0

concentration:mg\kgdrywt * - denotes units in mg/kgwetwt

SUMMARY OF SURFACE SOIL DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

LOCATION	CO, TOT	CU, TOT	CYN, TOT	FE, TOT	PB, TOT	MG, TOT	MN, TOT	HG, TOT	NI, TOT	K, TOT	TRS
											Wt %
AREA 01	9.9	14.0	< 2 UJ	16000	58	1200	530	< 0.14	5.8	520	61 J
AREA 02	< 1.5	12.0	< 2 UJ	6900	36	610	40	0.15	4.7	240	87 J
AREA 03	2.7	19.0	< 2 UJ	7000	73	1200	54	0.14	8.1	440	70 J
AREA 04	1.8	16.0	< 2 UJ	6600	61	1400	66	0.10	8.0	440	94 J
AREA 05	2.7	24.0	< 2 UJ	7200	53	1800	87	< 0.10	8.9	510	96 J
AREA 06	3.0	8.4	< 2 UJ	8100	17	1900	87	< 0.10	8.6	780	98 J
AREA 07	6.9	18.0	< 2 UJ	16000	100 J	3400	210	< 0.10	18.0	1500	97 J
AREA 08	3.9	12.0	< 2 UJ	8700	34	1200	57	0.34	9.3	380	71 J
AREA 09	2.1	22.0	< 2 UJ	9500	210	1200	76	0.12	7.6	350	83 J
AREA 10	3.8	13.0	< 2 UJ	10000	34	2400	140	< 0.10	10.0	940	96 J
AREA 10	3.6	12.0	< 2 UJ	10000	23	2600	140	< 0.10	10.0	900	94 J
SMWU25	3.1	5.6 J		7900	< 10	2400	90	< 0.1	12	980	97
SMWU27											42
SMWU 27	1.7	18.0	< 2.0 UJ	5500	16	580	20.0	2.8 J	< 4.0	130	80 J
SMWU 30	4.4	35.0	7.5 J	17000	38	1100	52.0	3.2 J	9.7	200	60 J
SMWU 33	45.0	33.0	5.2 J	100000	62	550	140.0	0.4	67.0	160	30

concentration:mg\kgdrywt

SUMMARY OF SURFACE SOIL DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

LOCATION	SE, TOT	AG, TOT	NA, TOT	SO4, TOT	TL, TOT	V, TOT	ZN, TOT
AREA 01	< 0.52	< 1.7	44	190.0 J	< 0.52	18	24
AREA 02	< 0.50	< 1.5	42	4.2 J	< 0.50	18	31
AREA 03	0.93	< 1.5	53	37.0 J	< 0.93	24	52
AREA 04	< 0.50	< 1.5	34	4.2 J	< 0.67	20	38
AREA 05	< 0.50	< 1.5	33	4.2 J	< 0.68	20	58
AREA 06	< 0.67	< 1.5	37	4.2 J	< 0.67	16	47
AREA 07	1.60 J	< 1.5	66	50.0 J	0.63 J	22	150
AREA 08	2.20	< 1.5	130	28000.0 J	0.88	16	37
AREA 09	< 0.50	< 1.5	34	83.0 J	0.80	34	72
AREA 10	0.64	< 1.5	39	50.0 J	0.64	17	38
AREA 10	0.68	< 1.5	35	11.0 J	0.68	18	38
SMWU25	< 1.8 R	< 1.5	80	< 40	< 0.5	20	21
SMWU27							
SMWU 27	< 0.50	< 1.5	32	82 J	< 0.50	14.0	42.0
SMWU 30	< 0.51	< 1.6	360	1200 J	< 0.51	24.0	32.0
SMWU 33	< 5.10	< 3.0	680	2400 J	< 1.00	37.0	180.0

concentration:mg\kgdrywt

TAB 17

SUMMARY OF TEST PIT DATA

SUMMARY OF TEST PIT DATA - VOC's

OLIN - WILMINGTON FACILITY

SAMPLE #	MATRIX	TEST PIT #	C6H6	BRDCLM	CHBR3	CH3BR	CS2	CCL4	CLC6H5	C2H5CL	CCL3	CH3CL	C13DCP	DBRCLM
02	D	6	35.0 J	< 150.0	< 150.0	< 300.0	< 300.0	< 150.0	41.0 J	< 300.0	< 150.0	< 300.0	< 150.0	< 150.0
03	D	8	< 1.1	< 1.1	< 1.1	< 2.2	< 2.2	< 1.1	< 1.1	< 2.2	< 1.1	< 2.2	< 1.1	< 1.1
04	D	8	< 0.7	< 0.7	< 0.7	< 1.3	< 1.3	< 0.7	< 0.7	< 1.3	< 0.7	< 1.3	< 0.7	< 0.7
05	D	8	< 78.0	< 78.0	< 78.0	< 160.0	< 160.0	< 78.0	< 78.0	< 160.0	< 78.0 U	< 160.0	< 78.0	< 78.0
07	D	21	< 1.0	< 1.0	< 1.0	< 1.9	< 1.9	< 1.0	< 1.0	< 1.9	< 1.0	< 1.9	< 1.0	< 1.0
01	S	1	< 0.7	< 0.7	< 0.7	< 1.4	< 1.4	< 0.7	< 0.7	< 1.4	< 0.7	< 1.4	< 0.7	< 0.7
06	S	19	< 0.9	< 0.9	< 0.9	< 1.8	< 1.8	< 0.9	< 0.9	< 1.8	< 0.9	< 1.8	< 0.9	< 0.9
08	S	21	< 0.9	< 0.9	< 0.9	< 1.8	< 1.8	< 0.9	< 0.9	< 1.8	< 0.9	< 1.8	< 0.9	< 0.9

KEY: D=DRUM S=SOIL

concentration:ug\kgdrywt

SUMMARY OF TEST PIT DATA - VOC's

OLIN - WILMINGTON FACILITY

SAMPLE #	MATRIX	TEST PIT #	111TCE	2TCLEA	112TCE	11DCLE	11DCE	12DCLE	12DCE	12DCLP	MEK	MNBK	MIBK	ACET
02	D	6	< 150.0	< 150.0	< 150.0	< 150.0	< 150.0	< 150.0	< 150.0	< 150.0	99.0 J	< 450.0	< 450.0	< 450.0 U
03	D	8	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 3.2	< 3.2	< 3.2	< 3.2
04	D	8	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 2.0	< 2.0	< 2.0	< 2.0
05	D	8	< 78.0	< 78.0	< 78.0	< 78.0	< 78.0	< 78.0	< 78.0	< 78.0	40.0 J	600.0	100.0 J	< 230.0 U
07	D	21	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.4 J	< 2.9	< 2.9	250.0
01	S	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 2.2	< 2.2	< 2.2	< 2.2
06	S	19	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	1.6 J	< 2.7	< 2.7	< 2.7 U
08	S	21	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 2.7 U	< 2.7	< 2.7	< 4.6 U

KEY: D=DRUM S=SOIL

concentration:ug\kgdrywt

SUMMARY OF TEST PIT DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

SAMPLE #	MATRIX	TEST PIT #	AL, TOT	AMMONIA AS N	SB, TOT	AS, TOT	BA, TOT	BE, TOT	CD, TOT	CA, TOT	CL, TOT	CR, TOT
02	D	6	1800	2100 J	< 32	4.2	11.0	< 2.4	4.0	27000	1200 J	80.0
03	D	8	820	240 J	< 21	1.7	3.6	< 1.6	< 1.0	3400	920 J	6.6
04	D	8	6200	30 J	< 20	< 3.4	< 0.5	< 1.5	< 1.0	110	25000 J	90.0
05	D	8	4700 J	20 J	< 20	< 0.5 UJ	< 0.5	< 1.5	< 1.0	140	20000 J	33.0 J
07	D	21	260	100	< 20	< 4.4	1.4	< 1.5	2.6	5000	220 J	24.0
01	S	1	7700	640 J	< 20	6.2	15.0	< 1.5	< 1.0	6900	360	10.0
06	S	19	6200	490	< 20	4.6	90.0	< 1.5	4.8	1200	260	28.0
08	S	21	3100 J	47	< 20	4.0 J	11.0	< 1.5	< 1.0	160000 J	< 40 UJ	110.0

KEY: D=DRUM S=SOIL
concentration:ug\kgdrywt

SUMMARY OF TEST PIT DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

SAMPLE #	MATRIX	TEST PIT #	CO, TOT	CU, TOT	CYN, TOT	FE, TOT	PB, TOT	MG, TOT	MN, TOT	HG, TOT	NI, TOT	K, TOT
02	D	6	5.1	14.0	< 2	28000	< 16	1100.0	190.0	< 0.28	14.0	2000.0
03	D	8	1.6	7.2	< 2	11000	< 10	220.0	52.0	< 0.12	4.6	16000.0
04	D	8	< 1.5	2.8	< 2	2700	< 10	6.6	9.9	0.24	24.0	7.8
05	D	8	< 1.5	4.3	< 2 UJ	210	< 10	< 5.0	3.4 J	0.24	18.0 J	3.5 J
07	D	21	< 1.5	6.0	< 2 UJ	40000 J	< 10	110.0	110.0	< 0.16	< 4.0	50.0
01	S	1	2.1	8.2	< 2	6900	11	1400.0	60.0	< 0.10	6.2	250.0
06	S	19	1.7	5.6	< 2	6800	< 10	1000.0	44.0	0.13	4.7	260.0
08	S	21	< 1.5	5.0	< 2 UJ	2600	< 10	440.0	49.0	0.91	< 4.0	280.0

KEY: D=DRUM S=SOIL
concentration:ug\kgdrywt

SUMMARY OF TEST PIT DATA - PCB's & PESTICIDE's

OLIN - WILMINGTON FACILITY

SAMPLE #	MATRIX	TEST PIT #	PCB242	PCB248	PCB254	PCB260	TXPHEN
02	D	6	< 400.00	< 400.00	< 800.00	< 800.00	< 800.00
03	D	8	< 290.00	< 290.00	< 580.00	< 580.00	< 580.00
04	D	8	< 4200.00	< 4200.00	< 8500.00	< 8500.00	< 8500.00
05	D	8	< 6100.00	< 6100.00	< 12000.00	< 12000.00	< 12000.00
07	D	21	< 260.00	< 260.00	< 510.00	< 510.00	< 510.00
01	S	1	< 1.30	< 1.30	< 2.50	< 2.50	< 2.50
06	S	19	< 0.50 UJ	< 0.50 UJ	< 1.00 UJ	< 1.00 UJ	< 1.00 UJ
08	S	21	< 240.00 R	< 240.00 R	< 480.00 R	< 480.00 R	< 480.00 R

KEY: D=DRUM S=SOIL
concentration:ug\kgdrywt

SUMMARY OF TEST PIT DATA - PCB's & PESTICIDE's

OLIN - WILMINGTON FACILITY

SAMPLE #	MATRIX	TEST PIT #	ESFSO4	ENDRN	ENDRNA	ENDRNK	LIN	GCLDAN	HPCL	HPCLE	MEOXCL	PCB016	PCB221	PCB232
02	D	6	< 80.00	< 80.00	< 40.00	< 80.00	< 40.00	< 400.00	< 40.00	< 40.00	< 400.00	< 400.00	< 400.00	< 400.00
03	D	8	< 58.00	< 58.00	< 29.00	< 58.00	< 29.00	< 290.00	< 29.00	< 29.00	< 290.00	< 290.00	< 290.00	< 290.00
04	D	8	< 850.00	< 850.00 UJ	< 420.00	< 850.00	< 420.00 UJ	< 4200.00	< 420.00 UJ	< 420.00	< 4200.00	< 4200.00	< 4200.00	< 4200.00
05	D	8	< 1200.00	< 1200.00	< 610.00	< 1200.00	< 610.00	< 6100.00	< 610.00	< 610.00	< 6100.00	< 6100.00	< 6100.00	< 6100.00
07	D	21	< 51.00	< 51.00	< 26.00	< 51.00	< 26.00	< 260.00	< 26.00	< 26.00	< 260.00	< 260.00	< 260.00	< 260.00
01	S	1	< 0.30	< 0.30	< 0.13	< 0.30	< 0.13	< 1.30	< 0.13	< 0.13	< 1.30	< 1.30	< 1.30	< 1.30
06	S	19	< 0.10 UJ	< 0.10 UJ	< 0.05 UJ	< 0.10 UJ	< 0.05 UJ	< 0.50 UJ	< 0.05 UJ	< 0.05 UJ	< 0.50 UJ	< 0.50 UJ	< 0.60 UJ	< 0.50 UJ
08	S	21	< 48.00 R	< 48.00 R	< 24.00 R	< 48.00 R	< 24.00 R	< 240.00 R	< 24.00 R	< 24.00 R	< 240.00 R	< 240.00 R	< 240.00 R	< 240.00 R

KEY: D=DRUM S=SOIL
concentration:ug\kgdrywt

SUMMARY OF TEST PIT DATA - PCB's & PESTICIDE's

OLIN - WILMINGTON FACILITY

SAMPLE #	MATRIX	TEST PIT #	44DDD	44DDE	44DDT	ALDRN	ABHC	ACLDAN	BBHC	DBHC	DLDRN	AENSLF	BENSLF
02	D	6	< 80.00	< 80.00	< 80.00	< 40.00	< 40.00	< 400.00	< 40.00	< 40.00	< 80.00	< 40.00	< 80.00
03	D	8	< 58.00	< 58.00	< 58.00	< 29.00	< 29.00	< 290.00	< 29.00	< 29.00	< 58.00	< 29.00	< 58.00
04	D	8	< 850.00	< 850.00	< 850.00 UJ	< 420.00 UJ	< 420.00	< 4200.00	< 420.00	< 420.00	< 850.00 UJ	< 420.00	< 850.00
05	D	8	< 1200.00	< 1200.00	< 1200.00	< 610.00	< 610.00	< 6100.00	< 610.00	< 610.00	< 1200.00	< 610.00	< 1200.00
07	D	21	< 51.00	< 51.00	< 51.00	< 26.00	< 26.00	< 260.00	< 26.00	< 26.00	< 51.00	< 26.00	< 51.00
01	S	1	< 0.30	< 0.30	< 0.30	< 0.13	< 0.13	< 1.30	< 0.13	< 0.13	< 0.30	< 0.13	< 0.30
06	S	19	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.05 UJ	< 0.50 UJ	< 0.05 UJ	< 0.05 UJ	< 0.10 UJ	< 0.05 UJ	< 0.10 U
08	S	21	< 48.00 R	< 48.00 R	< 48.00 R	< 24.00 R	< 24.00 R	< 240.00 R	< 24.00 R	< 24.00 R	< 48.00 R	36.00 J	< 48.00 R

KEY: D=DRUM S=SOIL
concentration:ug\kgdrywt

SUMMARY OF TEST PIT DATA - BNA's

OLIN - WILMINGTON FACILITY

SAMPLE#	MATRIX	TEST PIT#	ICDPYR	ISOPHR	NNDNPA	NNDPA	NAP	NB	PCP	PHANTR	PHENOL	PYR
02	D	6	< 12000	< 12000	< 12000	< 12000	< 12000	< 12000	< 12000	< 12000	< 12000	< 12000
03	D	8	< 1200	< 1200	< 1200	< 1200	< 1200	< 1200	< 1200	< 1200	< 1200	< 1200
04	D	8	< 330	< 330	< 330	2E+07	< 330	< 330	< 330	< 330	< 330	< 330
05	D	8	< 330	< 330	< 330	1E+07	< 330	< 330	< 330	< 330	< 330	< 330
07	D	21	< 530	< 530	< 530	1500	5700	< 530	< 530	< 530	< 530	< 530
01	S	1	< 820	< 820	< 820	< 820	< 820	< 820	< 820	< 820	< 820	< 820
06	S	19	< 12 UJ	< 12 UJ	1600 J	< 12 UJ	< 12 UJ	< 12 UJ	< 60 UJ	< 12 UJ	5300 J	< 12 UJ
08	S	21	< 990 UJ	< 990 UJ	< 990 UJ	< 990 UJ	< 990 UJ	< 990 UJ	< 990 UJ	< 990 UJ	< 990 UJ	< 990 UJ

KEY: D=DRUM S=SOIL

concentration:ug\kgdrywt

SUMMARY OF TEST PIT DATA - BNA's

OLIN - WILMINGTON FACILITY

SAMPLE #	MATRIX	TEST PIT #	DNOP	DBAHA	DBZFUR	DEP	DMP	FANT	FLRENE	CL6BZ	HCBD	CL6CP	CL6ET
02	D	6	< 12000	< 12000	< 12000	< 12000	< 12000	< 12000	< 12000	< 12000	< 12000	< 12000	< 12000
03	D	8	< 1200	< 1200	< 1200	< 1200	< 1200	< 1200	< 1200	< 1200	< 1200	< 1200	< 1200
04	D	8	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330
05	D	8	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330
07	D	21	< 530	< 530	100 J	< 530	< 530	< 530	< 530	< 530	< 530	< 530	< 530
01	S	1	< 820	< 820	< 820	< 820	< 820	< 820	< 820	< 820	< 820	< 820	< 820
06	S	19	< 12 UJ	< 12 UJ	< 12 UJ	< 12 UJ	< 12 UJ	< 12 UJ	< 12 UJ	< 12 UJ	< 12 UJ	< 12 UJ	< 12 UJ
08	S	4	880 J	< 990 UJ	< 990 UJ	< 990 UJ	< 990 UJ	< 990 UJ	< 990 UJ	< 990 UJ	< 990 UJ	< 990 UJ	< 990 UJ

KEY: D=DRUM S=SOIL

concentration:ug\kgdrywt

SUMMARY OF TEST PIT DATA - BNA's

OLIN - WILMINGTON FACILITY

SAMPLE #	MATRIX	TEST PIT #	BGHIPY	BKFANT	BENZOA	BZALC	B2CEXM	B2CLEE	B2CIPE	B2EHP	BBZP	CHRY	DNBP
02	D	6	< 12000	< 12000	< 61000	< 12000	< 12000	< 12000	< 12000	16000	< 12000	< 12000	< 12000
03	D	8	< 1200	< 1200	< 5800	< 1200	< 1200	< 1200	< 1200	4400	< 1200	< 1200	< 1200
04	D	8	< 330	< 330	< 1600	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330
05	D	8	< 330	< 330	< 1600	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330
07	D	21	< 530	< 530	< 2600	< 530	< 530	< 530	< 530	2500	< 530	< 530	120 J
01	S	1	< 820	< 820	< 4000	< 820	< 820	< 820	< 820	1200	< 820	< 820	< 820
06	S	19	< 12 UJ	< 12 UJ	< 60 UJ	< 12 UJ	< 12 UJ	< 12 UJ	< 12 UJ	< 12 UJ	< 12 UJ	< 12 UJ	< 12 UJ
08	S	21	< 990 UJ	< 990 UJ	< 4800 UJ	< 990 UJ	< 990 UJ	< 990 UJ	< 990 UJ	1100000 J	< 990 UJ	< 990 UJ	1300 U

KEY: D=DRUM S=SOIL

concentration:ug\kgdrywt

SUMMARY OF TEST PIT DATA - BNA's

OLIN - WILMINGTON FACILITY

SAMPLE #	MATRIX	TEST PIT #	4CANIL	4CLPPE	4MP	4NANIL	4NP	ANAPNE	ANAPYL	ANTRC	BAANTR	BAPYR	BBFANT
02	D	6	< 12000	< 12000	< 12000	< 61000	< 61000	< 12000	< 12000	< 12000	< 12000	< 12000	< 12000
03	D	8	< 1200	< 1200	< 1200	< 5800	< 5800	< 1200	< 1200	< 1200	< 1200	< 1200	< 1200
04	D	8	< 330	< 330	< 330	< 1600	< 1600	< 330	< 330	< 330	< 330	< 330	< 330
05	D	8	< 330	< 330	< 330	< 1600	< 1600	< 330	< 330	< 330	< 330	< 330	< 330
07	D	21	< 530	< 530	8800	< 2600	< 2600	< 530	< 530	< 530	< 530	< 530	< 530
01	S	[illegible]	< 820	< 820	< 820	< 4000	< 4000	< 820	< 820	< 820	< 820	< 820	< 820
06	S	1[illegible]	< 12 UJ	< 12 UJ	< 12 UJ	< 60 UJ	< 60 UJ	< 12 UJ	< 12 UJ	< 12 UJ	< 12 UJ	< 12 UJ	< 12 UJ
08	S	2.	< 990 UJ	< 990 UJ	< 990 UJ	< 4800 UJ	< 4800 UJ	< 990 UJ	< 990 UJ	< 990 UJ	< 990 UJ	< 990 UJ	< 990 UJ

KEY: D=DRUM S=SOIL

concentration:ug\kgdrywt

SUMMARY OF TEST PIT DATA - BNA's

OLIN - WILMINGTON FACILITY

SAMPLE #	MATRIX	TEST PIT #	2CNAP	2CLP	2MNAP	2MP	2NANIL	2NP	33DCBD	3NANIL	46DN2C	4BRPPE	4CL3MP
02	D	6	< 12000	< 12000	< 12000	< 12000	< 61000	< 12000	< 25000	< 61000	< 61000	< 12000	< 12000
03	D	8	< 1200	< 1200	< 1200	< 1200	< 5800	< 1200	< 2400	< 5800	< 5800	< 1200	< 1200
04	D	8	< 330	< 330	< 330	< 330	< 1600	< 330	< 660	< 1600	< 1600	< 330	< 330
05	D	8	< 330	< 330	< 330	< 330	< 1600	< 330	< 660	< 1600	< 1600	< 330	< 330
07	D	21	< 530	< 530	< 530	2900	< 2600	< 530	< 1000	< 2600	< 2600	< 530	< 530
01	S	1	< 820	< 820	< 820	< 820	< 4000	< 820	< 1600	< 4000	< 4000	< 820	< 820
06	S	19	< 12 UJ	< 12 UJ	< 12 UJ	< 12 UJ	< 60 UJ	< 12 UJ	< 24 UJ	< 60 UJ	< 60 UJ	< 12 UJ	< 12 UJ
08	S	21	< 990 UJ	< 990 UJ	< 990 UJ	< 990 UJ	< 4800 UJ	< 990 UJ	< 2000 UJ	< 4800 UJ	< 4800 UJ	< 990 UJ	< 990 UJ

KEY: D=DRUM S=SOIL

concentration:ug\kgdrywt

SUMMARY OF TEST PIT DATA - BNA's

OLIN - WILMINGTON FACILITY

SAMPLE #	MATRIX	TEST PIT #	124TCB	12DCLB	13DCLB	14DCLB	245TCP	246TCP	24DCLP	24DMPN	24DNP	24DNT	26DNT
02	D	6	< 1200	< 12000	< 12000	< 12000	< 61000	< 12000	< 12000	< 12000	< 61000	< 12000	< 12000
03	D	8	< 1200	< 1200	< 1200	< 1200	< 5800	< 1200	< 1200	< 1200	< 5800	< 1200	< 1200
04	D	8	< 330	< 330	< 330	< 330	< 1600	< 330	< 330	< 330	< 1600	< 330	< 330
05	D	8	< 330	< 330	< 330	< 330	< 1600	< 330	< 330	< 330	< 1600	< 330	< 330
07	D	21	350 J	840	< 530	1200	< 2600	< 530	< 530	880	< 2600	< 530	< 530
01	S	1	< 820	< 820	< 820	< 820	< 4000	< 820	< 820	< 820	< 4000	< 820	< 820
06	S	19	< 12 UJ	< 12 UJ	< 12 UJ	< 12 UJ	< 60 UJ	< 12 UJ	< 12 UJ	< 12 UJ	< 60 UJ	< 12 UJ	< 12 UJ
08	S	21	< 990 UJ	< 990 UJ	< 990 UJ	< 990 UJ	< 4800 UJ	< 990 UJ	< 990 UJ	< 990 UJ	< 4800 UJ	< 990 UJ	< 990 UJ

KEY: D=DRUM S=SOIL

concentration:ug\kgdrywt

SUMMARY OF TEST PIT DATA - VOC's

OLIN - WILMINGTON FACILITY

SAMPLE #	MATRIX	TEST PIT #	ETC6H5	C2CL2	STYR	TCLEE	MEC6H5	TXYLEN	T13DCP	TRCLE	C2AVE	C2H3CL
02	D	6	< 150.0	< 300.0 U	< 150.0	< 150.0	880.0	< 150.0	< 150.0	< 150.0	< 450.0	< 300.0
03	D	8	< 1.1	< 2.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 3.2	< 2.2
04	D	8	< 0.7	< 1.3	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 2.0	< 1.3
05	D	8	< 78.0	77.0 U	< 78.0	< 78.0	52.0 J	< 78.0	< 78.0	< 78.0	< 230.0	< 160.0
07	D	21	< 1.0	< 156.0 U	< 1.0	< 1.0	0.5 J	< 1.0	< 1.0	< 1.0	< 2.9	< 1.9
01	S	1	< 0.7	< 1.4	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 2.2	< 1.4
06	S	19	1.9	< 1.8 U	< 0.9	< 0.9	0.5 J	1.1	< 0.9	< 0.9	< 2.7	< 1.8
08	S	21	< 0.9	< 1.8 U	< 0.9	< 0.9	0.3 J	< 0.9	< 0.9	< 0.9	< 2.7	< 1.8

KEY: D=DRUM S=SOIL

concentration:ug\kgdrywt

SUMMARY OF TEST PIT DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

SAMPLE #	MATRIX	TEST PIT #	TRS	SE, TOT	AG, TOT	NA, TOT	SO4, TOT	TL, TOT	V, TOT	ZN, TOT
			Wt %							
02	D	6	40 J	< 0.73	< 2.4	4800	< 8000 J	< 0.73	7.0	220
03	D	8	56	< 0.52	< 1.6	2600	< 8000 J	< 0.52	< 2.6	41
04	D	8	88	< 0.50	< 1.5	23	5600 J	< 0.50	< 2.5	24
05	D	8	79	< 0.50	< 1.5 UJ	24 J	600 J	< 0.50	< 2.5	18 J
07	D	21	63 J	< 4.40	< 1.5	1200	350 J	< 2.20	9.9	43
01	S	1	81	< 0.50	< 1.5	270	28000	< 0.50	11.0	34
06	S	19	67	< 0.50	< 1.5	250	360 J	< 0.50	13.0	310
08	S	21	66	< 3.90 R	< 1.5	110	29000	< 2.00 R	12.0	38

KEY: D=DRUM S=SOIL
concentration:ug\kgdrywt

TAB 18

SUMMARY OF SEDIMENT DATA PREVIOUS TO ROUND 1

SUMMARY OF SEDIMENT DATA PREVIOUS TO ROUND 1 - VOC's

OLIN - WILMINGTON FACILITY

LOCATION		111TCE	2TCLEA	112TCE	11DCLE	11DCE	12DCLE	12DCE	12DCLP	244TM1P	244TM2P	MEK
SED-01		0.6 J	< 4.3	< 4.3	< 4.3	< 4.3	< 4.3	< 4.3	< 4.3	NA	NA	< 13.0 U
SED-02		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 2.9
SED-07		< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	NA	NA	< 2.3

LOCATION		MNBK	MIBK	ACET	C6H6	BRDCLM	CHBR3	CH3BR	CS2	CCL4	CLC6H5	C2H5CL
SED-01		< 13.0	< 13.0	< 13.0 U	< 4.3	< 4.3	1.2 J	< 8.5	< 8.5	< 4.3	< 4.3	< 8.5
SED-02		< 2.9	< 2.9	< 2.9 U	< 1.0	< 1.0	< 1.0	< 1.9	< 1.9	< 1.0	< 1.0	< 1.9
SED-07		< 2.3	< 2.3	< 2.3 U	< 0.8	< 0.8	< 0.8	< 1.6	< 1.6	< 0.8	< 0.8	< 1.6

LOCATION		CCL3	CH3CL	C13DCP	DBRCLM	ETC6H5	C2CL2	STYR	TCLEE	MEC6H5	T13DCP	TRCLE
SED-01		0.6	< 8.5	< 4.3	< 4.3	< 4.3	< 8.5 U	< 4.3	< 4.3	< 4.3	< 4.3	< 4.3
SED-02		< 1.0	< 1.9	< 1.0	< 1.0	< 1.0	< 1.9 U	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SED-07		0.1	< 1.6	< 0.8	< 0.8	< 0.8	< 1.6 U	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8

LOCATION		C2AVE	C2H3CL	TXYLEN
SED-01		< 13.0	< 8.5	< 4.3
SED-02		< 2.9	< 1.9	< 1.0
SED-07		< 2.3	< 1.6	< 0.8

concentration units: ug/kgdrywt

SUMMARY OF SEDIMENT DATA PREVIOUS TO ROUND 1 - BNA's

OLIN - WILMINGTON FACILITY

LOCATION		124TCB	12DCLB	13DCLB	14DCLB	245TCP	246TCP	24DCLP	24DMPN	24DNP	24DNT	26DNT
SED-01		< 4000	< 4000	< 4000	< 4000	< 19000	< 4000	< 4000	< 4000	< 19000	< 4000	< 4000
SED-02		< 1100	< 1100	< 1100	< 1100	< 5400	< 1100	< 1100	< 1100	< 5400	< 1100	< 1100
SED-07		< 860	< 860	< 860	< 860	< 4200	< 860	< 860	< 860	< 4200	< 860	< 860

LOCATION		2CNAP	2CLP	2MNAP	2MP	2NANIL	2NP	33DCBD	3NANIL	46DN2C	4BRPPE	4CL3MP
SED-01		< 4000	< 4000	< 4000	< 4000	< 19000	< 4000	< 7900	< 19000	< 19000	< 4000	< 4000
SED-02		< 1100	< 1100	< 1100	< 1100	< 5400	< 1100	< 2200	< 5400	< 5400	< 1100	< 1100
SED-07		< 860	< 860	< 860	< 860	< 4200	< 860	< 1700	< 4200	< 4200	< 860	< 860

LOCATION		4CANIL	4CLPPE	4MP	4NANIL	4NP	ANAPNE	ANAPYL	ANTRC	BAANTR	BAPYR	BBFANT
SED-01		< 4000	< 4000	< 4000	< 19000	< 19000	< 4000	< 4000	< 4000	1700 J	2200 J	4800
SED-02		< 1100	< 1100	< 1100	< 5400	< 5400	< 1100	< 1100	< 1100	< 1100	< 1100	< 1100
SED-07		< 860	< 860	< 860	< 4200	< 4200	< 860	< 860	< 860	< 860	< 860	< 860

LOCATION		BGHIPY	BKFANT	BENZOA	BZALC	B2CEXM	B2CLEE	B2CIPE	B2EHP	BBZP	CHRY	DNBP
SED-01		< 4000	< 4000	< 19000	< 4000	< 4000	< 4000	< 4000	< 11000 U	< 4000	4600	< 4000
SED-02		< 1100	< 1100	< 5400	< 1100	< 1100	< 1100	< 1100	1700000	< 1100	< 1100	620 J
SED-07		< 860	< 860	< 4200	< 860	< 860	< 860	< 860	< 860 U	< 860	< 860	180 J

LOCATION		DNOP	DBAHA	DBZFUR	DEP	DMP	FANT	FLRENE	CL6BZ	HCBD	CL6CP	CL6ET
SED-01		< 4000	< 4000	< 4000	< 4000	< 4000	9300	< 4000	< 4000	< 4000	< 4000	< 4000
SED-02		1300	< 1100	< 1100	< 1100	< 1100	< 1100	< 1100	< 1100	< 1100	< 1100	< 1100
SED-07		< 860	< 860	< 860	< 860	< 860	< 860	< 860	< 860	< 860	< 860	< 860

LOCATION		ICDPYR	ISOPHR	NNDNPA	NNDPA	NAP	NB	PCP	PHANTR	PHENOL	PYR
SED-01		1800 J	< 4000	< 4000	< 4000	< 4000	< 4000	< 4000	3700 J	< 4000	5300
SED-02		< 1100	< 1100	< 1100	3900	< 1100	< 1100	< 1100	< 1100	< 1100	370 J
SED-07		< 860	< 860	< 860	< 860	< 860	< 860	< 860	< 860	< 860	< 860

centra its: ug wt

SUMMARY OF SEDIMENT DATA PREVIOUS TO ROUND 1 - INORGANIC's

OLIN - WILMINGTON FACILITY

LOCATION		AL, TOT	CA, TOT	CR, TOT	FE, TOT	AMMONIA AS N	NA, TOT	TRS	SO4, TOT
								WT %	
SED-01		86000	1300	56000.0	39000 J	28	4800	14	11000
SED-02		6600	550	1600.0	7700 J	120	200	64	420 J
SED-07		4400	1300	7.6	5400 J	32 J	130	75	190

concentration: mg/kgdrywt

TAB 19

SUMMARY OF ROUND 1&2 SEDIMENT DATA

SUMMARY OF ROUND 1 & 2 SEDIMENT DATA - VOC's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	111TCE	2TCLEA	112TCE	11DCLE	11DCE	12DCLE	12DCE	12DCLP	244TM1P	244TM2P	MEK
SW-01	920831	< 7 UJ	< 7 UJ	< 7 UJ	< 7 UJ	< 7 UJ	< 7 UJ	< 7 UJ	< 7 UJ	< 10 UJ	< 10 UJ	< 20 UJ
SW-01	921130	< 9	< 9	< 9	< 9	< 9	< 9	< 9	< 9	22	12 J	< 30
SW-02	920831	< 7	< 7	< 7	< 7	< 7	< 7	< 7	< 7	4	< 10	< 20
SW-02	921130	< 7	< 7	< 7	< 7	< 7	< 7	< 7	< 7	19	3 J	< 20
SW-03	920831	< 30	16	< 30	< 30	< 30	< 30	< 30	< 30	28	< 50	91
SW-03	921130	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 50	< 50	< 80
SW-04	920831	< 7	< 7	< 7	< 7	< 7	< 7	< 7	< 7	9	< 10	< 20
SW-04	921130	< 10	< 10	< 10	3 J	< 10	< 10	< 10	< 10	13 J	5 J	< 30 U
SW-05	920831	< 10	4	< 10	< 10	< 10	< 10	< 10	< 10	55	25	< 40
SW-05	921130	< 8	< 8	< 8	< 8	< 8	< 8	18	< 8	110	61	< 20 U
SW-06	920831	< 7	< 7	< 7	3	< 7	< 7	< 7	< 7	110	37	< 20
SW-06	921201	< 8	< 8	< 8	6 J	< 8	< 8	7 J	< 8	130	41	< 20 U
SW-06	921201	< 8	< 8	< 8	7 J	< 8	< 8	8	< 8	160	49	< 20 U
SW-07	920901	< 7	< 7	< 7	< 7	< 7	< 7	< 7	< 7	270	81	< 20
SW-07	921201	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	33	12 J	< 20
SW-08	920901	< 10 UJ	< 10 UJ	< 10 UJ	34 J	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	4700 J	1500 J	74 J
SW-08	921201	< 9	< 9	< 9	3 J	< 9	< 9	< 9	< 9	720	150	30
SW-09	920901	< 9 UJ	3 J	< 9 UJ	4 J	< 9 UJ	< 9 UJ	< 9 UJ	< 9 UJ	4200 J	1400 J	74 J
SW-09	921201	<	< 9	< 9	< 9	< 9	< 9	< 9	< 9	1000	270	16 J
SW-10	920901	< UJ	< 8 UJ	< 8 UJ	< 8 UJ	< 8 UJ	< 8 UJ	< 8 UJ	< 8 UJ	68 J	20 J	< 20 UJ
SW-10	921201	< 7	< 7	< 7	< 7	< 7	< 7	< 7	< 7	1600 J	130	< 20
SW-11	920901	< 7	< 7	< 7	< 7	< 7	< 7	< 7	< 7	85	77	< 20
SW-11	921201	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	920	410	< 100 U
SW-12	920902	< 7	< 7	< 7	< 7	< 7	< 7	< 7	< 7	49	18	42
SW-12	921201	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	280	95	< 20
SW-13	920902	< 7 UJ	2 J	< 7 UJ	< 7 UJ	< 7 UJ	< 7 UJ	< 7 UJ	< 7 UJ	13000 J	5100 J	12 J
SW-13	921201	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	28000	9400	< 3000
SW-14	920901	< 7	< 7	< 7	< 7	< 7	< 7	< 7	< 7	23	2	< 20
SW-14	921201	< 7	< 7	< 7	< 7	< 7	< 7	< 7	< 7	56	21	< 20
SW-15	920902	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	920	300	< 20
SW-15	921202	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	6500	1800 J	< 70
SW-16	920902	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	210 J	75 J	< 30 UJ
SW-16	921202	6 J	< 10	< 10	< 10	< 10	4 J	< 10	< 10	27	8 J	< 40

SUMMARY OF ROUND 1 & 2 SEDIMENT DATA - VOC's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	111TCE	2TCLEA	112TCE	11DCLE	11DCE	12DCLE	12DCE	12DCLP	244TM1P	244TM2P	MEK
SW-17	920901	3	< 7	< 7	< 7	< 7	< 7	< 7	< 7	250	74	< 20
SW-17	921202	< 7	< 7	< 7	< 7	< 7	< 7	< 7	< 7	280	92	< 20
SW-17	921202	24	< 9	< 9	5 J	2 J	4 J	< 9	< 8	110	19	< 30
SW-17	921202	13	< 8	< 8	3 J	3 J	< 9	< 8	< 9	180	31	< 20
SW-18	920902	< 7	< 7	< 7	< 7	< 7	< 7	< 7	< 7	< 10	< 10	< 20
SW-18	921202	< 7	< 7	< 7	< 7	< 7	< 7	< 7	< 7	6 J	3 J	< 20
SW-19	920902	< 7	< 7	< 7	< 7	< 7	< 7	< 7	< 7	2	< 10	< 20
SW-19	921203	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 20	< 40
SW-20	920901	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	4 J	< 10	< 15
SW-20	921201	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 20	< 20	< 20
SW-21	920901	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 20	< 30
SW-21	921201	< 9	< 9	< 9	< 9	< 9	< 9	< 9	< 9	< 20	< 20	< 30
SW-22	920901	< 7	< 7	< 7	< 7	< 7	< 7	< 7	< 7	< 10	< 10	< 20
SW-22	921201	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 20	< 30
SW-23	921202	< 9	< 10	< 10	7 J	< 10	< 10	120	< 10	< 20	< 20	< 30
SW-24	930107	< 9	< 20	< 20	< 20	< 20	< 20	11 J	< 20	38	7 J	< 50
SW-25	930325	< 40	< 40	< 40	< 40	< 40	< 40	29 J	< 40	200	1100	280
SW-26	930325	< 9	< 9	< 9	< 9	< 9	< 9	< 9	< 9	< 20	< 20	< 30
SW-27	930325	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 50	< 50	< 80
SW-29	930420	< 10	< 10	< 10	19	< 10	< 10	< 10	< 10	5 J	2 J	< 30
SW-30	930420	14	< 7	< 7	< 7	< 7	< 7	< 7	< 7	< 10	< 10	< 20

concentration: ug/kgdrywt

SUMMARY OF ROUND 1 & 2 SEDIMENT DATA - VOC's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	MNBK	MIBK	ACET	C6H6	BRDCLM	CHBR3	CH3BR	CS2	CCL4	CLC6H5	C2H5CL
SW-01	920831	< 20 UJ	< 20 UJ	27 J	< 7 UJ	< 7 UJ	< 7 UJ	< 10 UJ	< 10 UJ	< 7 UJ	< 7 UJ	< 10 UJ
SW-01	921130	< 30	< 30	< 53 U	< 9	< 9	< 9	< 20	< 20	< 9	< 9	< 20
SW-02	920831	< 20	< 20	550	< 7	< 7	< 7	< 10	< 10	< 7	< 7	< 10
SW-02	921130	< 20	< 20	< 60 U	< 7	< 7	< 7	< 10	< 10	< 7	< 7	< 10
SW-03	920831	< 80	< 80	580	< 30	< 30	< 30	< 50	< 50	< 30	< 30	< 50
SW-03	921130	< 80	< 80	< 410 U	< 30	< 30	< 30	< 50	< 50	< 30	< 30	< 50
SW-04	920831	< 20	< 20	140	< 7	< 7	< 7	< 10	< 10	< 7	< 7	< 10
SW-04	921130	< 30	< 30	< 110 U	< 10	< 10	< 10	< 20	< 20	< 10	< 10	< 20
SW-05	920831	< 40	< 40	360	< 10	< 10	< 10	< 30	< 30	< 10	< 10	< 30
SW-05	921130	< 20	< 20	< 93 U	18	< 8	< 8	< 20	< 20	< 8	5 J	< 20
SW-06	920831	< 20	< 20	120	< 7	< 7	< 7	< 10	< 10	< 7	< 7	< 10
SW-06	921201	< 20	< 20	< 38 U	9	< 8	< 8	< 20	< 20	< 8	2 J	< 20
SW-06	921201	< 20	< 20	< 43 U	14	< 8	< 8	< 20	< 20	< 8	3 J	< 20
SW-07	920901	< 20	< 20	43	< 7	< 7	< 7	< 10	< 10	< 7	< 7	< 10
SW-07	921201	< 20	< 20	< 30 U	< 8	< 8	< 8	< 20	< 20	< 8	< 8	< 20
SW-08	920901	< 30 UJ	< 30 UJ	1700 J	< 10 UJ	< 10 UJ	< 10 UJ	< 20 UJ	< 20 UJ	< 10 UJ	< 10 UJ	< 20 UJ
SW-08	921201	36	< 30	< 250 U	< 9	< 9	< 9	< 20	3 J	< 9	< 9	< 20
SW-09	920901	< 30 UJ	< 30 UJ	190 J	< 9 UJ	< 9 UJ	< 9 UJ	< 20 UJ	5 J	< 9 UJ	< 9 UJ	< 20 UJ
SW-09	921201	20 J	< 30	< 210 U	< 9	< 9	< 9	< 20	3 J	< 9	< 9	< 20
SW-10	920901	< 20 UJ	< 20 UJ	92 J	< 8 UJ	< 8 UJ	< 8 UJ	< 20 UJ	< 20 UJ	< 8 UJ	< 8 UJ	< 20 UJ
SW-10	921201	< 20	< 20	< 69 U	< 7	< 7	< 7	< 10	< 10	< 7	< 7	< 10
SW-11	920901	< 20	< 20	30	< 7	< 7	< 7	< 10	< 10	< 7	< 7	< 10
SW-11	921201	< 100 U	< 100 U	< 240 U	< 40	< 40	< 40	< 80	< 80	< 40	< 40	< 80
SW-12	920902	< 20	< 20	150	< 7	< 7	< 7	< 10	< 10	< 7	< 7	< 10
SW-12	921201	< 20	< 20	< 53 U	< 8	< 8	< 8	< 20	< 20	< 8	< 8	< 20
SW-13	920902	< 20 UJ	< 20 UJ	55 J	15 J	< 7 UJ	< 7 UJ	< 10 UJ	< 10 UJ	< 7 UJ	7 J	< 10 UJ
SW-13	921201	< 3000	< 3000	< 3000	< 1000	< 1000	< 1000	< 2000	< 2000	< 1000	< 1000	< 2000
SW-14	920901	< 20	< 20	< 20	< 7	< 7	< 7	< 10	< 10	< 7	< 7	< 10
SW-14	921201	< 20	< 20	< 65 U	< 7	< 7	< 7	< 10	< 10	< 7	< 7	< 10
SW-15	920902	< 20	< 20	38	< 8	< 8	3	< 20	< 20	5	< 8	< 20
SW-15	921202	< 70	< 70	< 70 U	< 20	< 20	6 J	< 50	< 50	11 J	< 20	< 50
SW-16	920902	< 30 UJ	< 30 UJ	93 J	< 10 UJ	< 10 UJ	< 10 UJ	< 20 UJ	< 20 UJ	< 10 UJ	< 10 UJ	< 20 UJ
SW-16	921202	< 40	< 40	< 92 U	< 10	< 10	13	< 30	< 30	< 10	< 10	< 30

SUMMARY OF ROUND 1 & 2 SEDIMENT DATA - VOC's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	MNBK	MIBK	ACET	C6H6	BRDCLM	CHBR3	CH3BR	CS2	CCL4	CLC6H5	C2H5CL
SW-17	920901	< 20	< 20	9	< 7	< 7	12	< 10	< 10	< 7	< 7	< 10
SW-17	921202	< 20	< 20	18	< 7	< 7	12	< 10	< 10	< 7	< 7	< 10
SW-17	921202	< 20	< 20	< 20 U	< 9	9	64	< 20	< 20	< 8	< 8	< 20
SW-17	921202	< 30	< 30	< 30 U	< 8	4 J	140	< 20	< 20	< 9	< 9	< 20
SW-18	920902	< 20	< 20	< 20	< 7	< 7	< 7	< 10	< 10	< 7	< 7	< 10
SW-18	921202	< 20	< 20	< 15 U	< 7	< 7	< 7	< 10	< 10	< 7	< 7	< 10
SW-19	920902	< 20	< 20	74	< 7	< 7	< 7	< 10	< 10	< 7	< 7	< 10
SW-19	921203	< 40	< 40	< 40 U	< 10	< 10	< 10	< 20	< 20	< 10	< 10	< 20
SW-20	920901	< 15	< 15	7 J	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
SW-20	921201	< 20	< 20	< 20	< 8	< 8	< 8	< 20	< 20	< 8	< 8	< 20
SW-21	920901	< 30	< 30	< 30	< 10	< 10	< 10	< 20	< 20	< 10	< 10	< 20
SW-21	921201	< 30	< 30	< 30	< 9	< 9	< 9	< 20	< 20	< 9	< 9	< 20
SW-22	920901	< 20	< 20	< 20	< 7	< 7	< 7	< 10	< 10	< 7	< 7	< 10
SW-22	921201	< 30	< 30	< 31 U	< 10	< 10	< 10	< 20	< 20	< 10	< 10	< 20
SW-23	921202	< 30	< 30	< 58 U	3 J	< 10	< 10	< 20	< 20	< 10	14	< 20
SW-24	930107	< 50	< 50	< 130 U	< 20	< 20	< 20	< 30	< 30	< 20	4 J	< 30
SW-25	930325	< 100	< 100	1400	< 40	< 40	< 40	< 80	< 80	< 40	< 40	< 80
SW-26	930325	< 30	< 30	< 30	< 9	< 9	< 9	< 20	< 20	< 9	< 9	< 20
SW-27	930325	< 80	< 80	< 80	< 30	< 30	< 30	< 50	< 50	< 30	< 30	< 50
SW-29	930420	< 30	< 30	350	< 10	< 10	< 10	< 20	< 20	< 10	< 10	< 20
SW-30	930420	< 20	< 20	< 20	< 7	< 7	< 7	< 10	< 10	< 7	< 7	< 10

concentration: ug/kgdrywt

SUMMARY OF ROUND 1 & 2 SEDIMENT DATA - VOC's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	CCL3	CH3CL	C13DCP	DBRCLM	ETC6H5	C2CL2	STYR	TCLEE	MEC6H5	T13DCP	TRCLE
SW-01	920831	< 7 UJ	< 10 UJ	< 7 UJ	< 7 UJ	< 7 UJ	7 J	< 7 UJ	< 7 UJ	< 7 UJ	< 7 UJ	< 7 UJ
SW-01	921130	< 9	< 20	< 9	< 9	< 9	< 20 U	< 9	< 9	< 9	< 9	< 9
SW-02	920831	< 7	< 10	< 7	< 7	< 7	5	< 7	< 7	< 7	< 7	< 7
SW-02	921130	< 7	< 10	< 7	< 7	< 7	< 10 U	< 7	< 7	2 J	< 7	2 J
SW-03	920831	< 30	< 50	< 30	< 30	< 30	< 22 U	< 30	< 30	< 30	< 30	< 30
SW-03	921130	< 30	< 50	< 30	< 30	< 30	< 50 U	< 30	< 30	6 J	< 30	< 30
SW-04	920831	< 7	< 10	< 7	< 7	< 7	< 10 U	< 7	< 7	< 7	< 7	< 7
SW-04	921130	< 10	< 20	< 10	< 10	< 10	< 20 U	< 10	< 10	< 10	< 10	5 J
SW-05	920831	< 10	< 30	< 10	< 10	< 10	8	< 10	< 10	< 10	< 10	4
SW-05	921130	< 8	< 20	< 8	< 8	5 J	< 20 U	< 8	< 8	3 J	< 8	50
SW-06	920831	< 7	< 10	< 7	< 7	< 7	4	< 7	< 7	< 7	< 7	5
SW-06	921201	< 8	< 20	< 8	< 8	< 8	< 20 U	< 8	< 8	< 8	< 8	10
SW-06	921201	< 8	< 20	< 8	< 8	< 8	< 20 U	< 8	< 8	3 J	< 8	7 J
SW-07	920901	< 7	< 10	< 7	< 7	< 7	7	< 7	< 7	< 7	< 7	< 7
SW-07	921201	< 8	< 20	< 8	< 8	< 8	< 20 U	< 8	< 8	< 8	< 8	< 8
SW-08	920901	< 10 UJ	< 20 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 20 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
SW-08	921201	< 9	< 20	< 9	< 9	< 9	< 20 U	< 9	< 9	< 9	< 9	< 9
SW-09	920901	< 9 UJ	< 20 UJ	< 9 UJ	< 9 UJ	23 J	< 20 UJ	4 J	7 J	27 J	< 9 UJ	< 9 UJ
SW-09	921201	< 9	< 20	< 9	< 9	4 J	< 20 U	< 9	< 9	< 9	< 9	< 9
SW-10	920901	< 8 UJ	< 20 UJ	< 8 UJ	< 8 UJ	< 8 UJ	7 J	< 8 UJ	< 8 UJ	< 8 UJ	< 8 UJ	< 8 UJ
SW-10	921201	< 7	< 10	< 7	< 7	< 7	< 10 U	< 7	< 7	< 7 UJ	< 7	< 7
SW-11	920901	< 7	< 10	< 7	< 7	< 7	13	< 7	< 7	< 7	< 7	< 7
SW-11	921201	< 40	< 80	< 40	< 40	10 J	< 80 U	< 40	< 40	5 J	< 40	< 40
SW-12	920902	< 7	< 10	< 7	< 7	< 7	< 10 U	< 7	< 7	< 7	< 7	< 7
SW-12	921201	< 8	< 20	< 8	< 8	3 J	< 20 U	< 8	< 8	2 J	< 8	< 8
SW-13	920902	< 7 UJ	< 10 UJ	< 7 UJ	< 7 UJ	110 J	< 10 UJ	7 J	< 7 UJ	1100 J	< 7 UJ	< 7 UJ
SW-13	921201	< 1000	< 2000	< 1000	< 1000	710 J	< 2000	< 1000	< 1000	< 1000	< 1000	< 1000
SW-14	920901	< 7	< 10	< 7	< 7	< 7	4	< 7	< 7	< 7	< 7	< 7
SW-14	921201	< 7	< 10	< 7	< 7	< 7	< 10 U	< 7	< 7	2 J	< 7	< 7
SW-15	920902	3	< 20	< 8	< 8	< 8	< 20 U	< 8	< 8	< 8	< 8	< 8
SW-15	921202	9 J	< 50	< 20	< 20	< 20	< 50 U	< 20	< 20	< 20	< 20	< 20
SW-16	920902	< 10 UJ	< 20 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 20 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
SW-16	921202	6 J	< 30	< 10	4 J	< 10	< 10 U	< 10	< 10	10 J	< 10	3 J

SUMMARY OF ROUND 1 & 2 SEDIMENT DATA - VOC's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	CCL3	CH3CL	C13DCP	DBRCLM	ETC6H5	C2CL2	STYR	TCLEE	MEC6H5	T13DCP	TRCLE
SW-17	920901	< 7	< 10	< 7	3	< 7	< 10 U	< 7	< 7	< 7	< 7	< 7
SW-17	921202	< 7	< 10	< 7	3	< 7	10	< 7	< 7	< 7	< 7	< 7
SW-17	921202	4 J	< 20	< 8	17	< 8	< 20 U	< 9	2 J	6 J	< 8	2 J
SW-17	921202	5 J	< 20	< 9	35	< 9	< 20 U	< 8	4 J	12	< 9	2 J
SW-18	920902	< 7	< 10	< 7	< 7	< 7	< 10 U	< 7	< 7	< 7	< 7	< 7
SW-18	921202	< 7	< 10	< 7	< 7	< 7	< 10 U	< 7	< 7	< 7	< 7	< 7
SW-19	920902	< 7	< 10	< 7	< 7	< 7	< 10 U	< 7	< 7	< 7	< 7	< 7
SW-19	921203	< 10	< 20	< 10	< 10	< 10	< 20 U	< 10	< 10	< 10	< 10	< 10
SW-20	920901	< 5	< 10	< 5	< 5	< 5	8 J	< 5	< 5	< 5	< 5	< 5
SW-20	921201	< 8	< 20	< 8	< 8	< 8	< 20 U	< 8	< 8	2 J	< 8	< 8
SW-21	920901	< 10	< 20	< 10	< 10	< 10	24 J	< 10	< 10	6 J	< 10	< 10
SW-21	921201	< 9	< 20	< 9	< 9	< 9	< 20 U	< 9	< 9	2 J	< 9	< 9
SW-22	920901	< 7	< 10	< 7	< 7	< 7	8	< 7	< 7	< 7	< 7	< 7
SW-22	921201	< 10	< 20	< 10	< 10	< 10	< 20 U	< 10	< 10	< 10	< 10	< 10
SW-23	921202	< 10	< 20	< 10	< 10	< 10	< 10 U	< 10	10	12	< 10	150
SW-24	930107	< 20	< 30	< 20	< 20	< 20 U	< 30 U	5 J	7 J	9 J	< 20	20
SW-25	930325	< 40	< 80	< 40	< 40	< 40	< 80	< 40	< 40	< 40	< 40	24 J
SW-26	930325	< 9	< 20	< 9	< 9	< 9	< 20	< 9	< 9	< 9	< 9	< 9
SW-27	930325	< 30	< 50	< 30	< 30	< 30	< 50	< 30	< 30	< 30	< 30	29
SW-29	930420	< 10	< 20	< 10	< 10	< 10	< 20	< 10	< 10	< 10	< 10	7 J
SW-30	930420	< 7	< 10	< 7	< 7	< 7	< 10	< 7	< 7	< 7	< 7	18

concentration: ug/kgdrywt

SUMMARY OF ROUND 1 & 2 SEDIMENT DATA - VOC's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	C2AVE	C2H3CL	TXYLEN
SW-01	920831	< 20 UJ	< 10 UJ	< 7 UJ
SW-01	921130	< 30	< 20	< 9
SW-02	920831	< 20	< 10	< 7
SW-02	921130	< 20	< 10	< 7
SW-03	920831	< 80	< 50	< 30
SW-03	921130	< 80	< 50	< 30
SW-04	920831	< 20	< 10	< 7
SW-04	921130	< 30	< 20	< 10
SW-05	920831	< 40	< 30	< 10
SW-05	921130	< 20	3 J	4 J
SW-06	920831	< 20	< 10	< 7
SW-06	921201	< 20	2 J	< 8
SW-06	921201	< 20	< 20	< 8
SW-07	920901	< 20	< 10	< 7
SW-07	921201	< 20	< 20	< 8
SW-08	920901	< 30 UJ	< 20 UJ	< 10 UJ
SW-08	921201	< 30	< 20	< 9
SW-09	920901	< 30 UJ	< 20 UJ	250 J
SW-09	921201	< 30	< 20	2 J
SW-10	920901	< 20 UJ	< 20 UJ	< 8 UJ
SW-10	921201	< 20	< 10	< 7
SW-11	920901	< 20	< 10	3
SW-11	921201	< 100	< 80	13 J
SW-12	920902	< 20	< 10	< 7
SW-12	921201	< 20	< 20	< 8
SW-13	920902	< 20 UJ	< 10 UJ	< 20 UJ
SW-13	921201	< 3000	< 2000	< 1000
SW-14	920901	< 20	< 10	< 7
SW-14	921201	< 20	< 10	< 7
SW-15	920902	< 20	< 20	< 8
SW-15	921202	< 70	< 50	< 20
SW-16	920902	< 30 UJ	< 20 UJ	6 J
SW-16	921202	< 40	< 30	< 10

SUMMARY OF ROUND 1 & 2 SEDIMENT DATA - VOC's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	C2AVE	C2H3CL	TXYLEN
SW-17	920901	< 20	< 10	< 7
SW-17	921202	< 20	< 10	< 7
SW-17	921202	< 20	< 20	< 9
SW-17	921202	< 30	< 20	< 8
SW-18	920902	< 20	< 10	< 7
SW-18	921202	< [illegible]	< 10	< 7
SW-19	920902	< 20	< 10	< 7
SW-19	921203	< 40	< 20	< 10
SW-20	920901	< 15	< 10	< 5
SW-20	921201	< 20	< 20	< 8
SW-21	920901	< 30	< 20	4 J
SW-21	921201	< 30	< 20	< 9
SW-22	920901	< 20	< 10	< 7
SW-22	921201	< 30	< 20	< 10
SW-23	921202	< 30	12 J	3 J
SW-24	930107	< 50	< 30	< 20 U
SW-25	930325	< 100	< 80	< 40
SW-26	930325	< 30	< 20	< 9
SW-27	930325	< 80	< 50	< 30
SW-29	930420	< 30	< 20	< 10
SW-30	930420	< 20	< 10	< 7

concentration: ug/kgdrywt

SUMMARY OF ROUND 1 & 2 SEDIMENT DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	124TCB	12DCLB	13DCLB	14DCLB	245TCP	246TCP	24DCLP	24DMPN	24DNP	24DNT	26DNT
SW-01	920831	< 400	< 400	< 400	< 400	< 1000	< 400	< 400	< 400	< 1000	< 400	< 400
SW-01	921130	< 600	< 600	< 600	< 600	< 1000	< 600	< 600	< 600	< 1000	< 600	< 600
SW-02	920831	< 400	< 400	< 400	< 400	< 1000	< 400	< 400	< 400	< 1000	< 400	< 400
SW-02	921130	< 500	< 500	< 500	< 500	< 1000	< 500	< 500	< 500	< 1000	< 500	< 500
SW-03	920831	< 2000	< 2000	< 2000	< 2000	< 4000	< 2000	< 2000	< 2000	< 4000	< 2000	< 2000
SW-03	921130	< 2000	< 2000	< 2000	< 2000	< 4000	< 2000	< 2000	< 2000	< 4000	< 2000	< 2000
SW-04	920831	< 400	< 400	< 400	< 400	< 1000	< 400	< 400	< 400	< 1000	< 400	< 400
SW-04	921130	< 700	< 700	< 700	< 700	< 2000	< 700	< 700	< 700	< 2000	< 700	< 700
SW-05	920831	< 500	< 500	< 500	< 500	< 1000	< 500	< 500	< 500	< 1000	< 500	< 500
SW-05	921130	< 1000	< 1000	< 1000	< 1000	< 3000	< 1000	< 1000	< 1000	< 3000	< 1000	< 1000
SW-06	920831	< 500	< 500	< 500	< 500	< 1000	< 500	< 500	< 500	< 1000	< 500	< 500
SW-06	921201	< 500	< 500	< 500	< 500	< 1000	< 500	< 500	< 500	< 1000	< 500	< 500
SW-06	921201	< 500	< 500	< 500	< 500	< 1000	< 500	< 500	< 500	< 1000	< 500	< 500
SW-07	920901	77	< 500	< 500	< 500	< 1000	< 500	< 500	< 500	< 1000	< 500	< 500
SW-07	921201	< 500	< 500	< 500	< 500	< 1000	< 500	< 500	< 500	< 1000	< 500	< 500
SW-08	920901	1200	< 3000	< 3000	< 3000	< 6000	< 3000	< 3000	< 3000	< 6000	< 3000	< 3000
SW-08	921201	< 600	< 600	< 600	< 600	< 1000	< 600	< 600	< 600	< 1000	< 600	< 600
SW-09	920901	500 J	< 3000 UJ	< 3000 UJ	< 3000 UJ	< 8000	< 3000	< 3000	< 3000	< 8000	< 3000 UJ	< 3000 UJ
SW-09	921201	230 J	< 1000	< 1000	< 1000	< 3000	< 1000	< 1000	< 1000	< 3000	< 1000	< 1000
SW-10	920901	< 500	< 500	< 500	< 500	< 1000	< 500	< 500	< 500	< 1000	< 500	< 500
SW-10	921201	< 500	< 500	< 500	< 500	< 1000	< 500	< 500	< 500	< 1000	< 500	< 500
SW-11	920901	< 400	< 400	< 400	< 400	< 1000	< 400	< 400	< 400	< 1000	< 400	< 400
SW-11	921201	83 J	< 500	< 500	< 500	< 1000	< 500	< 500	< 500	< 1000	< 500	< 500
SW-12	920902	< 900	< 900	< 900	< 900	< 2000	< 900	< 900	< 900	< 2000	< 900	< 900
SW-12	921201	< 500	< 500	< 500	< 500	< 1000	< 500	< 500	< 500	< 1000	< 500	< 500
SW-13	920902	< 5000 UJ	< 5000 UJ	< 5000 UJ	< 5000 UJ	< 10000 UJ	< 5000 UJ	< 5000 UJ	< 5000 UJ	< 10000 UJ	< 5000 UJ	< 5000 UJ
SW-13	921201	1400 J	1600 J	< 10000	< 10000	< 20000	< 10000	< 10000	< 10000	< 20000	< 10000	< 10000
SW-14	920901	< 500	< 500	< 500	< 500	< 1000	< 500	< 500	< 500	< 1000	< 500	< 500
SW-14	921201	< 500	< 500	< 500	< 500	< 1000	< 500	< 500	< 500	< 1000	< 500	< 500
SW-15	920902	76	< 500	< 500	< 500	< 1000	< 500	< 500	< 500	< 1000	< 500	< 500
SW-15	921202	210 J	< 1000	< 1000	< 1000	< 4000	< 1000	< 1000	< 1000	< 4000	< 1000	< 1000
SW-16	920902	< 700	< 700	< 700	< 700	< 2000	< 700	< 700	< 700	< 2000	< 700	< 700
SW-16	921202	< 900	< 900	< 900	< 900	< 2000	< 900	< 900	< 900	< 2000	< 900	< 900

SUMMARY OF ROUND 1 & 2 SEDIMENT DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	124TCB	12DCLB	13DCLB	14DCLB	245TCP	246TCP	24DCLP	24DMPN	24DNP	24DNT	26DNT
SW-17	920901	< 400	< 500	< 400	< 500	< 1000	< 400	< 500	< 500	< 1000	< 500	< 400
SW-17	920901	< 500	< 400	< 500	< 400	< 1000	< 500	< 400	< 400	< 1000	< 400	< 500
SW-17	921202	< 600	< 500	< 500	< 600	< 1000	< 500	< 600	< 600	< 1000	< 500	< 500
SW-17	921202	< 500	< 600	< 600	< 500	< 1000	< 600	< 500	< 500	< 1000	< 600	< 600
SW-18	920902	< 400	< 400	< 400	< 400	< 1000	< 400	< 400	< 400	< 1000	< 400	< 400
SW-18	921202	< 400	< 400	< 400	< 400	< 1000	< 400	< 400	< 400	< 1000	< 400	< 400
SW-19	920902	< 400	< 400	< 400	< 400	< 1000	< 400	< 400	< 400	< 1000	< 400	< 400
SW-19	921203	< 800	< 800	< 800	< 800	< 2000	< 800	< 800	< 800	< 2000	< 800	< 800
SW-20	920901	< 500	< 500	< 500	< 500	< 1000	< 500	< 500	< 500	< 1000	< 500	< 500
SW-20	921201	< 500	< 500	< 500	< 500	< 1000	< 500	< 500	< 500	< 1000	< 500	< 500
SW-21	920901	< 700	< 700	< 700	< 700	< 2000	< 700	< 700	< 700	< 2000	< 700	< 700
SW-21	921201	< 600	< 600	< 600	< 600	< 1000	< 600	< 600	< 600	< 1000	< 600	< 600
SW-22	920901	< 400	< 400	< 400	< 400	< 1000	< 400	< 400	< 400	< 1000	< 400	< 400
SW-22	921201	< 600	< 600	< 600	< 600	< 2000	< 600	< 600	< 600	< 2000	< 600	< 600
SW-23	921202	< 700	< 700	< 700	< 700	< 2000	< 700	< 700	< 700	< 2000	< 700	< 700
SW-24	930107	< 1000	< 1000	< 1000	< 1000	< 3000	< 1000	< 1000	< 1000	< 3000	< 1000	< 1000
SW-25	930325	< 3000	< 3000	< 3000	< 3000	< 6000	< 3000	< 3000	< 3000	< 6000	< 3000	< 3000
SW-26	930325	< 600	< 600	< 600	< 600	< 1000	< 600	< 600	< 600	< 1000	< 600	< 600
SW-27	930325	< 2000	< 2000	< 2000	< 2000	< 4000	< 2000	< 2000	< 2000	< 4000	< 2000	< 2000
SW-29	930420	< 700	< 700	< 700	< 700	< 2000	< 700	< 700	< 700	< 2000	< 700	< 700
SW-30	930420	< 400	< 400	< 400	< 400	< 1000	< 400	< 400	< 400	< 1000	< 400	< 400

concentration: ug/kgdrywt

SUMMARY OF ROUND 1 & 2 SEDIMENT DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	2CNAP	2CLP	2MNAP	2MP	2NANIL	2NP	33DCBD	3NANIL	46DN2C	4BRPPE	4CL3MP
SW-01	920831	< 400	< 400	67	< 400	< 1000	< 400	< 400	< 1000	< 1000	< 400	< 400
SW-01	921130	< 600	< 600	< 600	< 600	< 1000	< 600	< 600	< 1000	< 1000	< 600	< 600
SW-02	920831	< 400	< 400	< 400	< 400	< 1000	< 400	< 400	< 1000	< 1000	< 400	< 400
SW-02	921130	< 500	< 500	< 500	< 500	< 1000	< 500	< 500	< 1000	< 1000	230 J	< 500
SW-03	920831	< 2000	< 2000	< 2000	< 2000	< 4000	< 2000	< 2000	< 4000	< 4000	< 2000	< 2000
SW-03	921130	< 2000	< 2000	< 2000	< 2000	< 4000	< 2000	< 2000	< 4000	< 4000	< 2000	< 2000
SW-04	920831	< 400	< 400	< 400	< 400	< 1000	< 400	< 400	< 1000	< 1000	< 400	< 400
SW-04	921130	< 700	< 700	< 700	< 700	< 2000	< 700	< 700	< 2000	< 2000	< 700	< 700
SW-05	920831	< 500	< 500	< 500	< 500	< 1000	< 500	< 500	< 1000	< 1000	< 500	< 500
SW-05	921130	< 1000	< 1000	< 1000	< 1000	< 3000	< 1000	< 1000	< 3000	< 3000	< 1000	< 1000
SW-06	920831	< 500	< 500	< 500	< 500	< 1000	< 500	< 500	< 1000	< 1000	< 500	< 500
SW-06	921201	< 500	< 500	< 500	< 500	< 1000	< 500	< 500	< 1000	< 1000	< 500	< 500
SW-06	921201	< 500	< 500	< 500	< 500	< 1000	< 500	< 500	< 1000	< 1000	< 500	< 500
SW-07	920901	< 500	< 500	< 500	< 500	< 1000	< 500	< 500	< 1000	< 1000	< 500	< 500
SW-07	921201	< 500	< 500	< 500	< 500	< 1000	< 500	< 500	< 1000	< 1000	< 500	< 500
SW-08	920901	< 3000	< 3000	< 3000	< 3000	< 6000	< 3000	< 3000	< 6000	< 6000	3000	< 3000
SW-08	921201	< 600	< 600	< 600	< 600	< 1000	< 600	< 600	< 1000	< 1000	490 J	< 600
SW-09	920901	< 3000 UJ	< 3000	< 3000 UJ	< 3000	< 8000 UJ	< 3000	< 3000 UJ	< 8000 UJ	< 8000	2900 J	< 3000
SW-09	921201	< 1000	< 1000	< 1000	< 1000	< 3000	< 1000	< 1000	< 3000	< 3000	< 1000	< 1000
SW-10	920901	< 500	< 500	< 500	< 500	< 1000	< 500	< 500	< 1000	< 1000	< 500	< 500
SW-10	921201	< 500	< 500	< 500	< 500	< 1000	< 500	< 500	< 1000	< 1000	< 500	< 500
SW-11	920901	< 400	< 400	< 400	< 400	< 1000	< 400	< 400	< 1000	< 1000	< 400	< 400
SW-11	921201	< 500	< 500	< 500	< 500	< 1000	< 500	< 500	< 1000	< 1000	470 J	< 500
SW-12	920902	< 900	< 900	< 900	< 900	< 2000	< 900	< 900	< 2000	< 2000	< 900	< 900
SW-12	921201	< 500	< 500	< 500	< 500	< 1000	< 500	< 500	< 1000	< 1000	< 500	< 500
SW-13	920902	< 5000 UJ	< 5000 UJ	< 5000 UJ	< 5000 UJ	< 10000 UJ	< 5000 UJ	< 5000 UJ	< 10000 UJ	< 10000 UJ	< 5000 UJ	< 5000 UJ
SW-13	921201	< 10000	< 10000	1400 J	< 10000	< 20000	< 10000	< 10000	< 20000	< 20000	< 10000	< 10000
SW-14	920901	< 500	< 500	< 500	< 500	< 1000	< 500	< 500	< 1000	< 1000	< 500	< 500
SW-14	921201	< 500	< 500	< 500	< 500	< 1000	< 500	< 500	< 1000	< 1000	< 500	< 500
SW-15	920902	< 500	< 500	< 500	< 500	< 1000	< 500	< 500	< 1000	< 1000	650	< 500
SW-15	921202	< 1000	< 1000	< 1000	< 1000	< 4000	< 1000	< 1000	< 4000	< 4000	330 J	< 1000
SW-16	920902	< 700	< 700	< 700	< 700	< 2000	< 700	< 700	< 2000	< 2000	150	< 700
SW-16	921202	< 900	< 900	< 900	< 900	< 2000	< 900	< 900	< 2000	< 2000	< 900	< 900

SUMMARY OF ROUND 1 & 2 SEDIMENT DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	2CNAP	2CLP	2MNAP	2MP	2NANIL	2NP	33DCBD	3NANIL	46DN2C	4BRPPE	4CL3MP
SW-17	920901	< 400	< 500	< 500	< 500	< 1000	< 400	< 400	< 1000	< 1000	< 400	< 500
SW-17	920901	< 500	< 400	< 400	< 400	< 1000	< 500	< 500	< 1000	< 1000	600	< 400
SW-17	921202	< 500	< 500	< 600	< 500	< 1000	< 500	< 500	< 1000	< 1000	< 600	< 600
SW-17	921202	< 600	< 600	< 500	< 600	< 1000	< 600	< 600	< 1000	< 1000	640	< 500
SW-18	920902	< 400	< 400	< 400	< 400	< 1000	< 400	< 400	< 1000	< 1000	< 400	< 400
SW-18	921202	< 400	< 400	< 400	< 400	< 1000	< 400	< 400	< 1000	< 1000	< 400	< 400
SW-19	920902	< 400	< 400	< 400	< 400	< 1000	< 400	< 400	< 1000	< 1000	< 400	< 400
SW-19	921203	< 800	< 800	< 800	< 800	< 2000	< 800	< 800	< 2000	< 2000	< 800	< 800
SW-20	920901	< 500	< 500	< 500	< 500	< 1000	< 500	< 500	< 1000	< 1000	< 500	< 500
SW-20	921201	< 500	< 500	< 500	< 500	< 1000	< 500	< 500	< 1000	< 1000	< 500	< 500
SW-21	920901	< 700	< 700	< 700	< 700	< 2000	< 700	< 700	< 2000	< 2000	< 700	< 700
SW-21	921201	< 600	< 600	< 600	< 600	< 1000	< 600	< 600	< 1000	< 1000	< 600	< 600
SW-22	920901	< 400	< 400	< 400	< 400	< 1000	< 400	< 400	< 1000	< 1000	< 400	< 400
SW-22	921201	< 600	< 600	< 600	< 600	< 2000	< 600	< 600	< 2000	< 2000	< 600	< 600
SW-23	921202	< 700	< 700	< 700	< 700	< 2000	< 700	< 700	< 2000	< 2000	< 700	< 700
SW-24	930107	< 1000	< 1000	< 1000	< 1000	< 3000	< 1000	< 1000	< 3000	< 3000	< 1000	< 1000
SW-25	930325	< 3000	< 3000	< 3000	< 3000	< 6000	< 3000	< 3000	< 6000	< 6000	< 3000	< 3000
SW-26	930325	< 600	< 600	< 600	< 600	< 1000	< 600	< 600	< 1000	< 1000	< 600	< 600
SW-27	930325	< 2000	< 2000	< 2000	< 2000	< 4000	< 2000	< 2000	< 4000	< 4000	< 2000	< 2000
SW-29	930420	< 700	< 700	< 700	< 700	< 2000	< 700	< 700	< 2000	< 2000	< 700	< 700
SW-30	930420	< 400	< 400	< 400	< 400	< 1000	< 400	< 400	< 1000	< 1000	< 400	< 400

concentration: ug/kgdrywt

SUMMARY OF ROUND 1 & 2 SEDIMENT DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	4CANIL	4CLPPE	4MP	4NANIL	4NP	ANAPNE	ANAPYL	ANTRC	BAANTR	BAPYR	BBFANT
SW-01	920831	< 400	< 400	< 400	< 1000	< 1000	81	< 400	210	530	490	830
SW-01	921130	< 600	< 600	< 600	< 1000	< 1000	< 600	< 600	< 600	220 J	220 J	350 J
SW-02	920831	< 400	74	< 400	< 1000	< 1000	< 400	< 400	55	97	78	130
SW-02	921130	< 500	220 J	< 500	< 1000	< 1000	250 J	< 500	300 J	460	220 J	430 J
SW-03	920831	< 2000	< 2000	< 2000	< 4000	< 4000	< 2000	< 2000	280	1600	1800	4200
SW-03	921130	< 2000	< 2000	< 2000	< 4000	< 4000	< 2000	< 2000	330 J	1700 J	2000	4400
SW-04	920831	< 400	< 400	< 400	< 1000	< 1000	< 400	< 400	33	55	59	130
SW-04	921130	< 700	< 700	< 700	< 2000	< 2000	< 700	< 700	82 J	420 J	440 J	730
SW-05	920831	< 500	< 500	< 500	< 1000	< 1000	< 500	< 500	170	92	< 500	75
SW-05	921130	< 1000	< 1000	< 1000	< 3000	< 3000	< 1000	< 1000	< 1000	< 1000	< 1000	140 J
SW-06	920831	< 500	< 500	< 500	< 1000	< 1000	< 500	< 500	< 500	< 500	94	< 500
SW-06	921201	< 500	< 500	< 500	< 1000	< 1000	< 500	< 500	< 500	< 500	< 500	< 500
SW-06	921201	< 500	< 500	< 500	< 1000	< 1000	< 500	< 500	< 500	< 500	< 500	< 500
SW-07	920901	< 500	< 500	< 500	< 1000	< 1000	< 500	< 500	< 500	< 500	< 500	< 500
SW-07	921201	< 500	< 500	< 500	< 1000	< 1000	< 500	< 500	< 500	< 500	< 500	64 J
SW-08	920901	< 3000	2000	< 3000	< 6000	< 6000	< 3000	< 3000	< 3000	< 3000	< 3000	< 3000
SW-08	921201	< 600	230 J	< 600	< 1000	< 1000	< 600	< 600	< 600	< 600	< 600	< 600
SW-09	920901	< 3000 UJ	1200 J	< 3000	< 8000 UJ	< 8000	< 3000 UJ	< 3000 UJ	< 3000 UJ	< 3000 UJ	< 3000 UJ	< 3000 UJ
SW-09	921201	< 1000	< 1000	< 1000	< 3000	< 3000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000
SW-10	920901	< 500	< 500	< 500	< 1000	< 1000	< 500	< 500	< 500	< 500	< 500	< 500
SW-10	921201	< 500	< 500	< 500	< 1000	< 1000	< 500	< 500	< 500	< 500	< 500	< 500
SW-11	920901	< 400	< 400	< 400	< 1000	< 1000	< 400	< 400	< 400	< 400	< 400	< 400
SW-11	921201	< 500	< 500	< 500	< 1000	< 1000	< 500	< 500	< 500	< 500	< 500	< 500
SW-12	920902	< 900	< 900	< 900	< 2000	< 2000	< 900	< 900	< 900	< 900	< 900	110
SW-12	921201	< 500	< 500	89 J	< 1000	< 1000	< 500	< 500	< 500	< 500	< 500	< 500
SW-13	920902	< 5000 UJ	< 5000 UJ	720 J	< 10000 UJ	< 10000 UJ	< 5000 UJ	< 5000 UJ	< 5000 UJ	2100 J	< 5000 UJ	870 J
SW-13	921201	< 10000	< 10000	< 10000	< 20000	< 20000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000
SW-14	920901	< 500	< 500	< 500	< 1000	< 1000	< 500	< 500	< 500	< 500	< 500	< 500
SW-14	921201	< 500	< 500	< 500	< 1000	< 1000	< 500	< 500	< 500	< 500	< 500	< 500
SW-15	920902	< 500	< 500	< 500	< 1000	< 1000	< 500	< 500	< 500	410	540	1200
SW-15	921202	< 1000	< 1000	< 1000	< 4000	< 4000	< 1000	< 1000	< 1000	490 J	600 J	1000 J
SW-16	920902	< 700	< 700	< 700	< 2000	< 2000	< 700	< 700	< 700	160	250	640
SW-16	921202	< 900	< 900	< 900	< 2000	< 2000	< 900	< 900	< 900	< 900	< 900	< 900

SUMMARY OF ROUND 1 & 2 SEDIMENT DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	4CANIL	4CLPPE	4MP	4NANIL	4NP	ANAPNE	ANAPYL	ANTRC	BAANTR	BAPYR	BBFANT
SW-17	920901	< 400	< 400	< 500	< 1000	< 1000	< 500	< 500	< 500	< 500	< 500	< 400
SW-17	920901	< 500	58	< 400	< 1000	< 1000	< 400	< 400	< 400	< 400	< 400	52
SW-17	921202	< 500	100 J	< 500	< 1000	< 1000	< 500	< 600	< 500	110 J	140 J	230 J
SW-17	921202	< 600	< 600	< 600	< 1000	< 1000	< 600	< 500	< 600	< 600	< 600	< 600
SW-18	920902	< 400	< 400	< 400	< 1000	< 1000	< 400	< 400	< 400	< 400	< 400	< 400
SW-18	921202	< 400	< 400	< 400	< 1000	< 1000	< 400	< 400	< 400	< 400	< 400	< 400
SW-19	920902	< 400	< 400	< 400	< 1000	< 1000	< 400	< 400	< 400	< 400	< 400	< 400
SW-19	921203	< 800	< 800	< 800	< 2000	< 2000	< 800	< 800	< 800	< 800	< 800	< 800
SW-20	920901	< 500	< 500	< 500	< 1000	< 1000	< 500	< 500	< 500	< 500	< 500	< 500
SW-20	921201	< 500	< 500	< 500	< 1000	< 1000	< 500	< 500	< 500	< 500	< 500	< 500
SW-21	920901	< 700	< 700	< 700	< 2000	< 2000	< 700	< 700	< 700	95	100	180
SW-21	921201	< 600	< 600	< 600	< 1000	< 1000	< 600	< 600	< 600	< 600	< 600	69 J
SW-22	920901	< 400	< 400	< 400	< 1000	< 1000	< 400	< 400	< 400	< 400	< 400	< 400
SW-22	921201	< 600	< 600	< 600	< 2000	< 2000	< 600	< 600	< 600	< 600	< 600	< 600
SW-23	921202	< 700	< 700	< 700	< 2000	< 2000	< 700	< 700	< 700	< 700	< 700	< 700
SW-24	930107	< 1000	< 1000	< 1000	< 3000	< 3000	< 1000	< 1000	< 1000	370 J	470 J	620 J
SW-25	930325	< 3000	< 3000	< 3000	< 6000	< 6000	< 3000	< 3000	< 3000	960 J	570 J	1200 J
SW-26	930325	< 600	< 600	< 600	< 1000	< 1000	< 600	< 600	80 J	210 J	240 J	420 J
SW-27	930325	< 2000	< 2000	< 2000	< 4000	< 4000	< 2000	< 2000	130 J	570 J	650 J	950 J
SW-29	930420	< 700	< 700	< 700	< 2000	< 2000	< 700	< 700	520 J	1200	1500	2500
SW-30	930420	< 400	< 400	< 400	< 1000	< 1000	< 400	< 400	< 400	320 J	310 J	470

concentration: ug/kgdrywt

SUMMARY OF ROUND 1 & 2 SEDIMENT DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	BGHIPY	BKFANT	BENZOA	BZALC	B2CEXM	B2CLEE	B2CIPE	B2EHP	BBZP	CHRY	DNBP
SW-01	920831	330	310	85	< 400	< 400	< 400	< 400	< 1300 U	< 400	750	< 400
SW-01	921130	170 J	160 J	< 3000	< 600	< 600	< 600	< 600	230 J	< 600	360 J	< 600
SW-02	920831	56	53	< 2000	< 400	< 400	< 400	< 400	43000	< 400	140	< 400
SW-02	921130	140 J	170 J	530 J	< 500	< 500	< 500	< 500	60000	< 500	590	< 500
SW-03	920831	2000	1200	< 8000	< 2000	< 2000	< 2000	< 2000	440000	< 2000	3000	230
SW-03	921130	2100	1400 J	2500 J	< 2000	< 2000	< 2000	< 2000	67000	< 2000	3400	< 2000
SW-04	920831	59	< 400	< 2000	< 400	< 400	< 400	< 400	7100	< 400	93	< 400
SW-04	921130	280 J	290 J	450 J	< 700	< 700	< 700	< 700	110000	< 700	620 J	< 700
SW-05	920831	< 500	< 500	< 2000	< 500	< 500	< 500	< 500	310000	66	140	75
SW-05	921130	< 1000	< 1000	< 5000	< 1000	< 1000	< 1000	< 1000	210000	380 J	< 1000	180 J
SW-06	920831	< 500	< 500	< 2000	< 500	< 500	< 500	< 500	210000	130	< 500	220
SW-06	921201	< 500	< 500	< 3000	< 500	< 500	< 500	< 500	1200000	< 500	< 500	430 J
SW-06	921201	< 500	< 500	< 3000	< 500	< 500	< 500	< 500	1800000	570	< 500	310 J
SW-07	920901	< 500	< 500	54	< 500	< 500	< 500	< 500	8300000	1900	< 500	1300
SW-07	921201	< 500	< 500	< 2000	< 500	< 500	< 500	< 500	1100000	870	< 500	250 J
SW-08	920901	< 3000	< 3000	< 10000	< 3000	< 3000	< 3000	< 3000	1E+07	750	< 3000	60000
SW-08	921201	< 600	< 600	< 3000	< 600	< 600	< 600	< 600	1200000	330 J	< 600	< 600
SW-09	920901	< 3000 UJ	< 3000 UJ	590	< 3000 UJ	< 3000 UJ	< 3000 UJ	< 3000 UJ	6E+07 J	17000 J	1300 J	2700 J
SW-09	921201	< 1000	< 1000	< 6000	< 1000	< 1000	< 1000	< 1000	1E+07	4200	< 1000	< 1000
SW-10	920901	< 500	< 500	< 2000	< 500	< 500	< 500	< 500	3500000	970	< 500	490
SW-10	921201	< 500	< 500	< 2000	< 500	< 500	< 500	< 500	700000	600	< 500	88 J
SW-11	920901	< 400	< 400	< 2000	< 400	< 400	< 400	< 400	< 37000 U	< 400	< 400	< 400
SW-11	921201	< 500	< 500	< 2000	< 500	< 500	< 500	< 500	1600000	3500	100 J	240 J
SW-12	920902	< 900	< 900	220	< 900	< 900	< 900	< 900	1800000	2300	< 900	1400
SW-12	921201	< 500	< 500	< 2000	< 500	< 500	< 500	< 500	1300000	500	< 500	140 J
SW-13	920902	< 5000 UJ	< 5000 UJ	2000 J	< 5000 UJ	< 5000 UJ	< 5000 UJ	< 5000 UJ	6E+07 J	49000 J	< 5000 UJ	1400000 J
SW-13	921201	< 10000	< 10000	< 50000	< 10000	< 10000	< 10000	< 10000	2E+08	160000 J	< 10000	2100000
SW-14	920901	< 500	< 500	< 2000	< 500	< 500	< 500	< 500	4500	< 500	< 500	< 500
SW-14	921201	< 500	< 500	< 2000	< 500	< 500	< 500	< 500	1700	< 500	< 500	< 500
SW-15	920902	420	< 500	< 2000	< 500	< 500	< 500	< 500	1300	< 500	720	< 500
SW-15	921202	450 J	290 J	< 7000	< 1000	< 1000	< 1000	< 1000	840 J	< 1000	730 J	< 1000
SW-16	920902	280	< 700	< 4000	< 700	< 700	< 700	< 700	1700	< 700	350	< 700
SW-16	921202	< 900	< 900	< 4000	< 900	< 900	< 900	< 900	< 900	< 900	< 900	< 900

SUMMARY OF ROUND 1 & 2 SEDIMENT DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	BGHIPY	BKFANT	BENZOA	BZALC	B2CEXM	B2CLEE	B2CIPE	B2EHP	BBZP	CHRY	DNBP
SW-17	920901	< 400	< 400	170	< 400	< 400	< 400	< 500	5300	< 400	< 500	< 500
SW-17	920901	< 500	< 500	< 2000	< 500	< 500	< 500	< 400	110	< 500	< 400	< 400
SW-17	921202	< 500	77 J	< 3000	< 600	< 500	< 500	< 500	770	< 600	200 J	< 600
SW-17	921202	< 600	< 600	< 3000	< 500	< 600	< 600	< 600	540 J	< 500	< 600	< 500
SW-18	920902	< 400	< 400	< 2000	< 400	< 400	< 400	< 400	2700	< 400	< 400	86
SW-18	921202	< 400	< 400	< 2000	< 400	< 400	< 400	< 400	< 400	< 400	< 400	< 400
SW-19	920902	< 400	< 400	< 2000	< 400	< 400	< 400	< 400	4600	< 400	< 400	130
SW-19	921203	< 800	< 800	< 4000	< 800	< 800	< 800	< 800	< 800	< 800	< 800	< 800
SW-20	920901	< 500	< 500	< 2000	< 500	< 500	< 500	< 500	< 2700 U	< 500	< 500	< 500
SW-20	921201	< 500	< 500	< 3000	< 500	< 500	< 500	< 500	83 J	< 500	< 500	< 500
SW-21	920901	3	< 700	< 4000	< 700	< 700	< 700	< 700	5900	< 700	140	< 700
SW-21	921201	< 0	< 600	< 3000	< 600	< 600	< 600	< 600	88 J	< 600	< 600	< 600
SW-22	920901	< 400	< 400	< 2000	< 400	< 400	< 400	< 400	3200	< 400	< 400	< 400
SW-22	921201	< 600	< 600	< 3000	< 600	< 600	< 600	< 600	82 J	< 600	< 600	< 600
SW-23	921202	< 700	< 700	< 3000	< 700	< 700	< 700	< 700	62000	< 700	320 J	500 J
SW-24	930107	250 J	160 J	< 5000	< 1000	< 1000	< 1000	< 1000	690000	490 J	630 J	< 5800 U
SW-25	930325	< 3000	320 J	< 10000	< 3000	< 3000	< 3000	< 3000	9300000	< 3000	1200 J	< 3000
SW-26	930325	200 J	150 J	< 3000	< 600	< 600	< 600	< 600	73000	< 600	300 J	< 600
SW-27	930325	580 J	290 J	3400 J	270 J	< 2000	< 2000	< 2000	80000	400 J	850 J	210 J
SW-29	930420	1200	770	< 3000	< 700	< 700	< 700	< 700	460 J	< 700	2200	< 700
SW-30	930420	230 J	150 J	< 2000	< 400	< 400	< 400	< 400	< 400	< 400	390 J	< 400

concentration: ug/kgdrywt

SUMMARY OF ROUND 1 & 2 SEDIMENT DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	DNOP	DBAHA	DBZFUR	DEP	DMP	FANT	FLRENE	CL6BZ	HCBD	CL6CP	CL6ET
SW-01	920831	< 400	120	98	< 400	< 400	1600	200	< 400	< 400	< 400	< 400
SW-01	921130	< 600	< 600	< 600	< 600	< 600	490 J	< 600	< 600	< 600	< 600	< 600
SW-02	920831	170	< 400	< 400	< 400	< 400	220	< 400	< 400	< 400	< 400	< 400
SW-02	921130	240 J	< 500	220 J	< 500	< 500	2200	300 J	< 500	< 500	< 500	< 500
SW-03	920831	1400	430	< 2000	< 2000	< 2000	4100	< 2000	< 2000	< 2000	< 2000	< 2000
SW-03	921130	< 2000	410 J	< 2000	< 2000	< 2000	4500	< 2000	< 2000	< 2000	< 2000	< 2000
SW-04	920831	54	< 400	< 400	< 400	< 400	160	< 400	< 400	< 400	< 400	< 400
SW-04	921130	< 700	< 700	< 700	< 700	< 700	1000	< 700	< 700	< 700	< 700	< 700
SW-05	920831	190	< 500	< 500	< 500	< 500	360	120	< 500	< 500	< 500	< 500
SW-05	921130	230 J	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000
SW-06	920831	270	< 500	< 500	< 500	< 500	77	< 500	< 500	< 500	< 500	< 500
SW-06	921201	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500
SW-06	921201	850	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500
SW-07	920901	2500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500
SW-07	921201	< 500	< 500	< 500	< 500	< 500	65 J	< 500	< 500	< 500	< 500	< 500
SW-08	920901	6800	< 3000	< 3000	< 3000	530	640	< 3000	< 3000	< 3000	< 3000	< 3000
SW-08	921201	91 J	< 600	< 600	< 600	< 600	130 J	< 600	< 600	< 600	< 600	< 600
SW-09	920901	24000 J	< 3000 UJ	< 3000 UJ	< 3000 UJ	< 3000 UJ	610 J	< 3000 UJ	< 3000 UJ	< 3000 UJ	< 3000 UJ	< 3000 UJ
SW-09	921201	470 J	< 1000	< 1000	< 1000	< 1000	240 J	< 1000	< 1000	< 1000	< 1000	< 1000
SW-10	920901	190	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500
SW-10	921201	620	< 500	< 500	< 500	< 500	93 J	< 500	< 500	< 500	< 500	< 500
SW-11	920901	< 400	< 400	< 400	< 400	< 400	< 400	< 400	< 400	< 400	< 400	< 400
SW-11	921201	3000	< 500	< 500	< 500	< 500	140 J	92 J	< 500	< 500	< 500	< 500
SW-12	920902	2100	< 900	< 900	< 900	180	< 900	< 900	< 900	< 900	< 900	< 900
SW-12	921201	830	< 500	< 500	< 500	120 J	< 500	< 500	< 500	< 500	< 500	< 500
SW-13	920902	590 J	< 5000 UJ	1600 J	790 J	< 5000 UJ	< 5000 UJ	< 5000 UJ	< 5000 UJ	< 5000 UJ	< 5000 UJ	< 5000 UJ
SW-13	921201	2000 J	< 10000	5900 J	< 10000	< 10000	4100 J	4000 J	< 10000	< 10000	< 10000	< 10000
SW-14	920901	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500
SW-14	921201	< 500	< 500	< 500	120 J	< 500	< 500	< 500	< 500	< 500	< 500	< 500
SW-15	920902	< 500	120	< 500	< 500	< 500	1400	< 500	< 500	< 500	< 500	< 500
SW-15	921202	< 1000	< 1000	< 1000	< 1000	< 1000	1500	< 1000	< 1000	< 1000	< 1000	< 1000
SW-16	920902	< 700	< 700	< 700	< 700	< 700	580	< 700	< 700	< 700	< 700	< 700
SW-16	921202	< 900	< 900	< 900	< 900	< 900	1700	< 900	< 900	< 900	< 900	< 900

SUMMARY OF ROUND 1 & 2 SEDIMENT DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	DNOP	DBAHA	DBZFUR	DEP	DMP	FANT	FLRENE	CL6BZ	HCBD	CL6CP	CL6ET
SW-17	920901	< 400	< 400	< 400	< 400	< 400	83	< 500	< 400	< 500	< 400	< 500
SW-17	920901	< 500	< 500	< 500	< 500	< 500	< 400	< 400	< 500	< 400	< 500	< 400
SW-17	921202	< 500	< 500	< 600	< 500	< 600	370 J	< 600	< 500	< 600	< 600	< 600
SW-17	921202	< 600	< 600	< 500	< 600	< 500	< 600	< 500	< 600	< 500	< 500	< 500
SW-18	920902	< 400	< 400	< 400	< 400	< 400	< 400	< 400	< 400	< 400	< 400	< 400
SW-18	921202	< 400	< 400	< 400	< 400	< 400	< 400	< 400	< 400	< 400	< 400	< 400
SW-19	920902	< 400	< 400	< 400	< 400	< 400	< 400	< 400	< 400	< 400	< 400	< 400
SW-19	921203	< 800	< 800	< 800	< 800	< 800	< 800	< 800	< 800	< 800	< 800	< 800
SW-20	920901	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500
SW-20	921201	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500
SW-21	920901	< 700	< 700	< 700	< 700	< 700	210	< 700	< 700	< 700	< 700	< 700
SW-21	921201	< 600	< 600	< 600	< 600	< 600	79 J	< 600	< 600	< 600	< 600	< 600
SW-22	920901	< 400	< 400	< 400	< 400	< 400	< 400	< 400	< 400	< 400	< 400	< 400
SW-22	921201	< 600	< 600	< 600	< 600	< 600	< 600	< 600	< 600	< 600	< 600	< 600
SW-23	921202	< 700	< 700	< 700	< 700	< 700	460 J	< 700	< 700	< 700	< 700	< 700
SW-24	930107	610 J	< 1000	< 1000	< 1000	< 1000	890 J	< 1000	< 1000	< 1000	< 1000	< 1000
SW-25	930325	10000	< 3000	< 3000	< 3000	< 3000	2300 J	400 J	< 3000	< 3000	< 3000	< 3000
SW-26	930325	< 600	< 600	< 600	< 600	< 600	520 J	< 600	< 600	< 600	< 600	< 600
SW-27	930325	< 2000	< 2000	< 2000	< 2000	< 2000	1200 J	< 2000	< 2000	< 2000	< 2000	< 2000
SW-29	930420	< 700	< 700	110 J	< 700	< 700	3800	200 J	< 700	< 700	< 700	< 700
SW-30	930420	< 400	< 400	< 400	< 400	< 400	510	< 400	< 400	< 400	< 400	< 400

concentration: ug/kgdrywt

SUMMARY OF ROUND 1 & 2 SEDIMENT DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	ICDPA	ISOPHR	NNDNPA	NNDPA	NAP	NB	PCP	PHANTR	PHENOL	PYR
SW-01	920831	420	< 400	< 400	60	73	< 400	< 1000	930	< 400	1100
SW-01	921130	200 J	< 600	< 600	93 J	< 600	< 600	< 1000	260 J	< 600	510 J
SW-02	920831	76	< 400	< 400	170	53	< 400	< 1000	62	< 400	200
SW-02	921130	170 J	< 500	< 500	150 J	< 500	< 500	< 1000	1800	< 500	1400
SW-03	920831	2700	< 2000	< 2000	820	< 2000	< 2000	< 4000	1600	< 2000	2700
SW-03	921130	2200	< 2000	< 2000	< 2000	< 2000	< 2000	< 4000	1800	< 2000	3500
SW-04	920831	69	< 400	< 400	120	< 400	< 400	< 1000	60	< 400	90
SW-04	921130	320 J	< 700	< 700	< 700	< 700	< 700	< 2000	250 J	< 700	680
SW-05	920831	< 500	< 500	< 500	550	< 500	< 500	< 1000	560	69	250
SW-05	921130	< 1000	< 1000	< 1000	1500	< 1000	< 1000	< 3000	< 1000	< 1000	< 1000
SW-06	920831	480	< 500	< 500	870	< 500	< 500	< 1000	< 500	< 500	77
SW-06	921201	< 500	< 500	< 500	4300	< 500	< 500	< 1000	< 500	< 500	< 500
SW-06	921201	< 500	< 500	< 500	3400	< 500	< 500	< 1000	< 500	76 J	360 J
SW-07	920901	2100	< 500	< 500	20000	< 500	< 500	< 1000	< 500	83	130
SW-07	921201	< 500	< 500	< 500	4500	< 500	< 500	< 1000	54 J	75 J	< 500
SW-08	920901	2900	< 3000	< 3000	30000	< 3000	< 3000	< 6000	1800	< 3000	810
SW-08	921201	< 600	< 600	< 600	900	< 600	< 600	< 1000	160 J	< 600	260 J
SW-09	920901	13000 J	< 3000 UJ	< 3000 UJ	720000 J	< 3000 UJ	< 3000 UJ	< 8000	4200 J	580	930 J
SW-09	921201	< 1000	< 1000	< 1000	11000	< 1000	< 1000	< 3000	620 J	290 J	650 J
SW-10	920901	< 500	< 500	< 500	52000	< 500	< 500	< 1000	< 500	< 500	< 500
SW-10	921201	< 500	< 500	< 500	6700	< 500	< 500	< 1000	99 J	< 500	76 J
SW-11	920901	< 400	< 400	< 400	240	< 400	< 400	< 1000	< 400	< 400	< 400
SW-11	921201	< 500	< 500	< 500	22000 J	< 500	< 500	< 1000	380 J	140 J	160 J
SW-12	920902	< 900	< 900	< 900	20000	< 900	< 900	< 2000	140	2300	110
SW-12	921201	< 500	< 500	< 500	7200	< 500	< 500	< 1000	75 J	1000	< 500
SW-13	920902	< 5000 UJ	< 5000 UJ	< 5000 UJ	6200000 J	< 5000 UJ	< 5000 UJ	< 10000 UJ	14000 J	< 5000 UJ	< 5000 UJ
SW-13	921201	< 10000	< 10000	< 10000	4800000	2200 J	< 10000	< 20000	34000	< 10000	9100 J
SW-14	920901	< 500	< 500	< 500	< 500	< 500	< 500	< 1000	< 500	< 500	< 500
SW-14	921201	< 500	< 500	< 500	< 500	< 500	< 500	< 1000	< 500	< 500	< 500
SW-15	920902	560	< 500	< 500	910	< 500	< 500	< 1000	510	< 500	880
SW-15	921202	550 J	< 1000	< 1000	720 J	< 1000	< 1000	< 4000	570 J	< 1000	1100 J
SW-16	920902	300	< 700	< 700	< 700	< 700	< 700	< 2000	190	< 700	410
SW-16	921202	< 900	< 900	< 900	< 900	< 900	< 900	< 2000	< 900	< 900	600 J

SUMMARY OF ROUND 1 & 2 SEDIMENT DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	ICDPYR	ISOPHR	NNDNPA	NNDPA	NAP	NB	PCP	PHANTR	PHENOL	PYR
SW-17	920901	< 500	< 500	< 400	180	< 500	< 400	< 1000	< 500	< 400	< 400
SW-17	920901	< 400	< 400	< 500	< 400	< 400	< 500	< 1000	< 400	< 500	54
SW-17	921202	< 600	< 600	< 500	< 600	< 600	< 500	< 1000	< 600	< 500	< 600
SW-17	921202	140 J	< 500	< 600	< 500	< 500	< 600	< 1000	130 J	< 600	280 J
SW-18	920902	< 400	< 400	< 400	240	< 400	< 400	< 1000	< 400	< 400	< 400
SW-18	921202	< 400	< 400	< 400	< 400	< 400	< 400	< 1000	< 400	< 400	< 400
SW-19	920902	< 400	< 400	< 400	450	< 400	< 400	< 1000	< 400	< 400	< 400
SW-19	921203	< 800	< 800	< 800	< 800	< 800	< 800	< 2000	< 800	< 800	< 800
SW-20	920901	< 500	< 500	< 500	< 500	< 500	< 500	< 1000	< 500	< 500	< 500
SW-20	921201	< 500	< 500	< 500	< 500	< 500	< 500	< 1000	< 500	< 500	< 500
SW-21	920901	91	< 700	< 700	< 700	< 700	< 700	< 2000	130	< 700	180
SW-21	921201	< 600	< 600	< 600	< 600	< 600	< 600	< 1000	< 600	< 600	70 J
SW-22	920901	< 400	< 400	< 400	< 400	< 400	< 400	< 1000	< 400	< 400	< 400
SW-22	921201	< 600	< 600	< 600	< 600	< 600	< 600	< 2000	< 600	< 600	72 J
SW-23	921202	< 700	< 700	< 700	2100	< 700	< 700	< 2000	< 700	94 J	280 J
SW-24	930107	230 J	< 1000	< 1000	800 J	< 1000	< 1000	< 3000	300 J	< 1000	580 J
SW-25	930325	510 J	< 3000	< 3000	1800 J	< 3000	< 3000	< 6000	< 3000	320 J	1600 J
SW-26	930325	240 J	< 600	< 600	290 J	< 600	67 J	< 1000	180 J	120 J	350 J
SW-27	930325	490 J	< 2000	< 2000	290 J	< 2000	< 2000	< 4000	440 J	360 J	890 J
SW-29	930420	1300	< 700	< 700	< 700	< 700	< 700	< 2000	1900	< 700	3400
SW-30	930420	240 J	< 400	< 400	< 400	51 J	< 400	< 1000	190 J	< 400	690

concentration: ug/kgdrywt

SUMMARY OF ROUND 1 & 2 SEDIMENT DATA - PESTICIDE's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	44DDD	44DDE	44DDT	ALDRN	ABHC	ACLDAN	BBHC	DBHC	DLDRN	AENSLF	BENSLF
SW-01	920831	< 40 R	< 40 R	< 40 R	< 20 R	< 20 R	< 200 R	< 20 R	< 20 R	< 40 R	< 20 R	< 40 R
SW-01	921130	< 6	< 6	< 6	< 3	< 3	< 30	< 3	< 3	< 6	< 3	< 6
SW-02	920831	< 40 R	< 40 R	< 40 R	< 20 R	< 20 R	< 200 R	< 20 R	< 20 R	< 40 R	< 20 R	< 40 R
SW-02	921130	< 50	< 50	< 50	< 20	< 20	< 200	< 20	< 20	< 50	< 20	< 50
SW-03	920831	< 2000	< 2000	< 2000	< 900	< 900	< 9000	< 900	< 900	< 2000	< 900	< 2000
SW-03	921130	< 70	< 70	< 70	< 40	< 40	< 400	< 40	< 40	< 70	< 40	< 70
SW-04	920831	< 4	< 4	4.4	< 2	< 2	< 20	< 2	< 2	< 4	< 2	< 4
SW-04	921130	7	< 7	< 7	< 3	< 3	< 30	< 3	< 3	< 7	< 3	< 7
SW-05	920831	< 20	< 20	26	< 10	< 10	< 100	< 10	< 10	< 20	< 10	< 20
SW-05	921130	< 50	< 50	< 50	< 30	< 30	< 300	< 30	< 30	< 50	< 30	< 50
SW-06	920831	< 50	< 50	< 50	< 20	< 20	< 200	< 20	< 20	< 50	28	< 50
SW-06	921201	< 100	< 50	< 100	< 50	< 30	< 300	< 30	< 30	< 50	< 50	< 100
SW-06	921201	< 50	< 100	< 50 UJ	< 30	< 50	< 500	< 50	< 50	< 100	< 30	< 50
SW-07	920901	< 50	< 50	50	< 20	< 20	< 200	< 20	< 20	< 50	< 20	< 50
SW-07	921201	< 50	< 50	69	< 20	< 20	< 200	< 20	< 20	< 50	< 20	< 50
SW-08	920901	< 600 R	< 600 R	< 600 R	< 300 R	< 300 R	< 3000 R	< 300 R	< 300 R	< 600 R	< 300 R	< 600 R
SW-08	921201	< 60	< 60	< 60	< 30	< 30	< 300	< 30	< 30	< 60	< 30	< 60
SW-09	920901	< 500 R	< 500 R	< 500 R	< 300 R	< 300 R	< 3000 R	< 300 R	< 300 R	< 500 R	< 300 R	< 500 R
SW-09	921201	< 60	< 60	< 60	< 30	< 30	< 300	< 30	< 30	< 60	< 30	< 60
SW-10	920901	< 50	< 50	< 50	< 30	< 30	< 300	< 30	< 30	< 50	< 30	< 50
SW-10	921201	< 50	< 50	< 50	< 20	< 20	< 200	< 20	< 20	< 50	< 20	< 50
SW-11	920901	< 4	< 4	< 4	< 2	< 2	< 20	< 2	< 2	< 4	< 2	< 4
SW-11	921201	< 50	< 50	< 50	< 30	< 30	< 300	< 30	< 30	< 50	< 30	< 50
SW-12	920902	< 50	< 50	< 50	< 20	< 20	< 200	< 20	< 20	< 50	< 20	< 50
SW-12	921201	< 50	< 50	< 50	< 30	< 30	< 300	< 30	< 30	< 50	< 30	< 50
SW-13	920902	< 500	< 500	< 500	< 200	< 200	< 2000	< 200	< 200	< 500	< 200	< 500
SW-13	921201	< 600	< 600	1200	450	< 300	< 3000	460	< 300	< 600	410	< 600
SW-14	920901	< 5	< 5	< 5	< 2	< 2	< 20	< 2	< 2	< 5	3.2	< 5
SW-14	921201	< 5	< 5	< 5	< 2	< 2	< 20	< 2	< 2	< 5	< 2	< 5
SW-15	920902	< 50	< 50	< 50	< 30	< 30	< 300	< 30	53	< 50	< 30	< 50
SW-15	921202	190	< 200	< 200	< 80	< 80	< 800	210	120	< 200	150	< 200
SW-16	920902	< 70	< 70	< 70	< 40	< 40	< 400	< 40	< 40	< 70	< 40	< 70
SW-16	921202	< 9	< 9	< 9	< 4	< 4	< 40	5	5.4	< 9	< 4	< 9

SUMMARY OF ROUND 1 & 2 SEDIMENT DATA - PESTICIDE's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	44DDD	44DDE	44DDT	ALDRN	ABHC	ACLDAN	BBHC	DBHC	DLDRN	AENSLF	BENSLF
SW-17	920901	< 4	< 4	< 4	< 2	< 2	< 20	< 2	< 2	< 5	< 2	< 5
SW-17	920901	< 5	< 5	< 5	< 2	< 2	< 20	< 2	< 2	< 4	< 2	< 4
SW-17	921202	< 5	< 6	< 6	< 3	5.2 J	< 30	< 3	3.5	< 6	3.2	< 5
SW-17	921202	< 6	< 5	< 5	< 3	< 3	< 30	3.1	7.4	< 5	< 3	< 6
SW-18	920902	< 4	< 4	< 4	< 2	< 2	< 20	< 2	< 2	< 4	< 2	< 4
SW-18	921202	< 4	< 4	< 4	< 2	< 2	< 20	< 2	< 2	< 4	< 2	< 4
SW-19	920902	< 4	< 4	< 4	< 2	< 2	< 20	< 2	< 2	< 4	< 2	< 4
SW-19	921203	< 8	< 8	18	< 4	< 4	< 40	< 4	< 4	< 8	8.1	< 8
SW-20	920901	< 5	< 5	< 5	< 3	< 3	< 30	< 3	< 3	6.7	< 3	< 5
SW-20	921201	< 5	< 5	< 5	< 3	< 3	< 30	< 3	< 3	< 5	< 3	< 5
SW-21	920901	< 7	< 7	< 7	< 4	< 4	< 40	< 4	< 4	7.2	< 4	< 7
SW-21	921201	< 6	< 6	< 6	< 3	< 3	< 30	< 3	< 3	< 6	< 3	< 6
SW-22	920901	< 4	< 4	< 4	< 2	< 2	< 20	< 2	< 2	< 4	< 2	< 4
SW-22	921201	< 6	< 6	< 6	< 3	< 3	< 30	< 3	< 3	< 6	< 3	< 6
SW-23	921202	< [illegible]	< 100	< 100	< 70	< 70	< 700	< 70	< 70	< 100	< 70	< 100
SW-24	930107	< [illegible]0	< 100	< 100	< 50	< 50	550 J	< 50	58	< 100	< 50	< 100
SW-25	930325	< 5[illegible]	< 500	< 500	< 300	< 300	1600	< 300	< 300	< 500	< 300	< 500
SW-26	930325	< 60	< 60	< 60	< 30	< 30	45	< 30	< 30	< 60	< 30	< 60
SW-27	930325	< 200	< 200	< 200	< 90	< 90	61 J	< 90	< 90	< 200	< 90	< 200
SW-29	930420	< 30	< 30	< 30	< 20	< 20	< 20	< 20	< 20	< 30	< 20	< 30
SW-30	930420	< 4	< 4	< 4	< 2	< 2	< 2	< 2	< 2	< 4	< 2	< 4

concentration: ug/kgdrywt

SUMMARY OF ROUND 1 & 2 SEDIMENT DATA - PESTICIDE's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	ESFSO4	ENDRN	ENDRNA	ENDRNK	LIN	GCLDAN	HPCL	HPCLE	MEOXCL	TXPHEN
SW-01	920831	< 40 R	< 40 R	< 40 R	< 40 R	< 20 R	< 200 R	< 20 R	< 20 R	< 200 R	< 400 R
SW-01	921130	< 6	< 6	< 6	< 6	< 3	< 30	< 3	< 3	< 30	< 60
SW-02	920831	< 40 R	< 40 R	< 40 R	< 40 R	< 20 R	< 200 R	< 20 R	< 20 R	< 200 R	< 400 R
SW-02	921130	< 50	< 50	< 50	< 50	< 20	< 200	< 20	< 20	< 200	< 500
SW-03	920831	< 2000	< 2000	6500	< 2000	< 900	< 9000	< 900	< 900	< 9000	< 20000
SW-03	921130	< 70	< 70	230	< 70	< 40	< 400	< 40	< 40	< 400	< 700
SW-04	920831	< 4	< 4	20	< 4	< 2	< 20	< 2	< 2	< 20	< 40
SW-04	921130	< 7	8.2	< 7	11	< 3	< 30	< 3	< 3	< 30	< 70
SW-05	920831	< 20	< 20	28	< 20	< 10	< 100	< 10	< 10	< 100	< 200
SW-05	921130	88	< 50	< 50	< 50	< 30	< 300	< 30	< 30	< 300	< 500
SW-06	920831	< 50	< 50	< 50	< 50	< 20	< 200	< 20	< 20	< 200	< 500
SW-06	921201	< 50 UJ	< 100	140	< 50	< 50	< 500	< 50	< 30	< 300	< 1000
SW-06	921201	170	< 50	< 50	< 100	< 30	< 300	< 30	< 50	< 500	< 500
SW-07	920901	180	< 50	< 50	< 50	< 20	< 200	< 20	< 20	< 200	< 500
SW-07	921201	120	< 50	74	65	< 20	< 200	< 20	< 20	290	< 500
SW-08	920901	< 600 R	< 600 R	< 600 R	< 600 R	< 300 R	< 3000 R	< 300 R	< 300 R	< 3000 R	< 6000 R
SW-08	921201	< 60	< 60	< 60	< 60	< 30	< 300	< 30	< 30	< 300	< 600
SW-09	920901	< 500 R	< 500 R	< 500 R	< 500 R	< 300 R	< 3000 R	< 300 R	< 300 R	< 3000 R	< 5000 R
SW-09	921201	< 60	< 60	91	< 60	< 30	< 300	< 30	< 30	< 300	< 600
SW-10	920901	< 50	< 50	71	< 50	< 30	< 300	< 30	< 30	< 300	< 500
SW-10	921201	47	< 50	< 50	< 50	< 20	< 200	< 20	< 20	< 200	< 500
SW-11	920901	< 4	< 4	< 4	< 4	< 2	< 20	< 2	< 2	< 20	< 40
SW-11	921201	98	< 50	< 50	< 50	< 30	< 300	< 30	< 30	< 300	< 500
SW-12	920902	< 50	< 50	< 50	< 50	< 20	< 200	< 20	< 20	< 200	< 500
SW-12	921201	< 50	< 50	55	< 50	< 30	< 300	< 30	< 30	< 300	< 500
SW-13	920902	< 500	< 500	620	< 500	< 200	< 2000	< 200	< 200	< 2000	< 5000
SW-13	921201	< 600	< 600	2500	< 600	< 300	< 3000	540	< 300	< 3000	< 6000
SW-14	920901	< 5	< 5	< 5	< 5	< 2	< 20	< 2	4.6	< 20	< 50
SW-14	921201	<	< 5	< 5	< 5	< 2	< 20	< 2	< 2	< 20	< 50
SW-15	920902	74	< 50	< 50	< 50	< 30	< 300	< 30	33	< 300	< 500
SW-15	921202	240	< 200	< 200	< 200	< 80	< 800	< 80	160	< 800	< 2000
SW-16	920902	< 70	< 70	< 70	< 70	< 40	< 400	< 40	< 40	< 400	< 700
SW-16	921202	< 9	< 9	< 9	< 9	< 4	< 40	< 4	< 4	< 40	< 90

SUMMARY OF ROUND 1 & 2 SEDIMENT DATA - PESTICIDE's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	ESFSO4	ENDRN	ENDRNA	ENDRNK	LIN	GCLDAN	HPCL	HPCLE	MEOXCL	TXPHEN
SW-17	920901	< 5	< 5	< 5	< 5	< 2	< 20	< 2	< 2	< 20	< 50
SW-17	920901	< 4	< 4	< 4	< 4	< 2	< 20	< 2	< 2	< 20	< 40
SW-17	921202	< 5	< 6	< 6	< 5	< 3	< 30	< 3	< 3	< 30	< 60
SW-17	921202	< 6	< 5	12 J	< 6	< 3	< 30	< 3	< 3	< 30	< 50
SW-18	920902	< 4	< 4	< 4	< 4	< 2	< 20	< 2	< 2	< 20	< 40
SW-18	921202	< 4	< 4	< 4	< 4	< 2	< 20	< 2	< 2	< 20	< 40
SW-19	920902	< 4	< 4	< 4	< 4	< 2	< 20	< 2	< 2	< 20	< 40
SW-19	921203	< 8	< 8	< 8	< 8	< 4	< 40	< 4	6	< 40	< 80
SW-20	920901	< 5	< 5	< 5	< 5	< 3	< 30	< 3	< 3	< 30	< 50
SW-20	921201	< 5	< 5	< 5	< 5	< 3	< 30	< 3	< 3	< 30	< 50
SW-21	920901	< 7	< 7	< 7	< 7	< 4	< 40	< 4	< 4	< 40	< 70
SW-21	921201	< 6	< 6	< 6	< 6	< 3	< 30	< 3	< 3	< 30	< 60
SW-22	920901	< 4	< 4	< 4	< 4	< 2	< 20	< 2	< 2	< 20	< 40
SW-22	921201	< 6	< 6	< 6	< 6	< 3	< 30	< 3	< 3	< 30	< 60
SW-23	921202	< 100	< 100	< 100	400	< 70	< 700	< 70	< 70	< 700	< 1000
SW-24	930107	< 100	< 100	< 100	< 100	< 50	600 J	< 50	< 50	< 500	< 1000
SW-25	930325	< 500	610	< 500	< 300	< 300	1600	< 300	< 300	< 3000	< 5000
SW-26	930325	< 60	< 60	< 60	< 30	< 30	47	< 30	< 30	< 300	< 600
SW-27	930325	< 200	< 200	< 200	< 90	< 90	55 J	< 90	< 90	< 900	< 2000
SW-29	930420	< 30	< 30	< 30	< 30	< 20	30	< 20	< 20	< 200	< 300
SW-30	930420	< 4	< 4	< 4	< 4	< 2	2.5	< 2	< 2	< 20	< 40

concentration: ug/kgdrywt

SUMMARY OF ROUND 1 & 2 SEDIMENT DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	AL, TOT	SB, TOT	AS, TOT	BA, TOT	BE, TOT	CD, TOT	CA, TOT	CL, TOT	CRHEXT	CR, TOT	CO, TOT
SW-01	920831	4300	< 20	14.0	15.0	< 1.5	< 1.0	890	< 40		12.0	2.3
SW-01	921130	5900	< 20	9.2	20.0	< 1.5	< 1.0	1500	< 40		12.0	3.4
SW-02	920831	3200	< 20	10.0	21.0	< 1.5	< 1.0	670	< 40		7.8	4.4
SW-02	921130	3600	< 20	14.0	18.0	< 1.5	< 1.0	920	< 40		11.0	2.9
SW-03	920831	19000	< 70	190.0	29.0	< 5.3	4.0	2100	98		140.0	18.0
SW-03	921130	12000	< 50	190.0	45.0	< 3.8	5.0	3000	< 40		320.0	27.0
SW-04	920831	4000	< 20	5.5	9.8	< 1.5	< 1.0	650	< 40		41.0	3.4
SW-04	921130	6700	< 20	32.0	15.0	< 1.5	1.1	1000	71		39.0	5.0
SW-05	920831	4700	< 20	5.1	11.0	< 1.5	< 1.0	720	< 40		450.0	3.0
SW-05	921130	5100	33	9.1	20.0	< 1.5	< 1.0	1300	< 40		920.0	4.3
SW-06	920831	5100	< 20	6.6	9.2	< 1.5	< 1.0	890	53		780.0	4.1
SW-06	921201											
SW-06	921201	9300	88	5.3	9.7	< 1.5	< 1.0	1000	64	87 J	3200.0	4.4
SW-06	921201	7300	50 J	6.3	12.0	< 1.5	< 1.0	1300	130	140 J	2100.0	5.3
SW-06	921201											
SW-07	920901	3900	< 20	3.7	5.5	< 1.5	< 1.0	600	71		750.0	4.3
SW-07	921201	3400	25	2.2	11.0	< 1.5	< 1.0	690	44		820.0	2.9
SW-08	920901	13000	69	3.2	27.0	< 2.0	< 1.3	1900	240		2900.0	19.0
SW-08	921201	11000	56	2.9	14.0	< 1.5	< 1.0	2000	110	21 J	2100.0	19.0
SW-08	921201											
SW-09	920901	6600	51	2.6	16.0	< 1.5	< 1.0	880	100		2300.0	5.7
SW-09	921201	6800	52	3.7	6.0	< 1.5	< 1.0	640	83		1900.0	8.2
SW-10	920901	4700	< 20	4.2	6.9	< 1.5	< 1.0	630	72		1100.0	5.4
SW-10	921201	4300	32	4.3	8.8	< 1.5	< 1.0	760	64		1300.0	3.1
SW-11	920901	2300	< 20	1.5	4.6	< 1.5	< 1.0	290	63		96.0	< 1.5
SW-11	921201	5200	52	7.5	11.0	< 1.5	< 1.0	720	220		2000.0	4.6
SW-12	920902	5600	< 20	2.4	30.0	< 1.5	< 1.0	620	120		79.0	< 1.5
SW-12	921201	6800	< 20	5.1	40.0	< 1.5	< 1.0	1100	83		54.0	3.6
SW-13	920902	2600 J	< 20	1.1	14.0	< 1.5	< 1.0	520	130		530.0	< 1.5
SW-13	921201											
SW-13	921201	3300	< 20	2.8	9.9	< 1.5	< 1.0	750	110	300 J	580.0	1.5
SW-14	920901	5100	< 20	1.9	29.0	< 1.5	< 1.0	760	46		720.0	4.7
SW-14	921201	3300	34	2.8	11.0	< 1.5	< 1.0	290	54		1000.0	2.3

SUMMARY OF ROUND 1 & 2 SEDIMENT DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	AL, TOT	SB, TOT	AS, TOT	BA, TOT	BE, TOT	CD, TOT	CA, TOT	CL, TOT	CRHEXT	CR, TOT	CO, TOT
SW-15	920902	26000	< 20	11.0	15.0	< 1.5	< 1.0	910	230		230.0	3.7
SW-15	921202	150000	99	< 23.0	19.0	< 3.5	< 2.4	1200	870		2300.0	4.2
SW-16	920902	22000	120	11.0	24.0	1.9	< 1.2	700	93		5100.0	5.4
SW-16	921202											
SW-16	921202	12000	250	8.7	15.0	< 1.9	2.1	770	1400	3.5 J	8900.0	6.6
SW-17	920901	4900	< 20	2.5	5.9	< 1.5	< 1.0	430	93	30 J	520.0	2.9
SW-17	920901	5100	< 20	2.2	6.0	< 1.5	< 1.0	380	110	53 J	440.0	2.7
SW-17	921202	14000	100	3.9	8.7	< 1.5	< 1.0	410	370	110 J	4000.0	3.7
SW-17	921202	14000	110 J	3.7	10.0 J	< 1.5	< 1.0	420	280	93 J	3600.0	3.8
SW-17	921202											
SW-17	921202											
SW-18	920902	3100	< 20	1.9	3.6	< 1.5	< 1.0	360	< 40		150.0	< 1.5
SW-18	921202	3800	< 20	1.7	4.6	< 1.5	< 1.0	500	60		140.0	1.5
SW-19	920902	570	< 20	< 0.5	5.9	< 1.5	< 1.0	160	< 40		12.0	< 1.5
SW-19	921203	4800	< 25	4.2	43.0	< 1.8	< 1.2	1100	46		61.0	< 1.8
SW-20	920901	2800	< 24	12.0	6.2	< 1.8	< 1.2	340	< 40		7.3	< 1.8
SW-20	921201	2400	< 20	5.1	5.9	< 1.5	< 1.0	250	< 40		6.5	< 1.5
SW-21	920901	6900	< 31	3.8	15.0	< 2.4	< 1.6	920	< 40		20.0	< 2.4
SW-21	921201	5800	< 20	3.5	13.0	< 1.5	< 1.0	760	< 40		13.0	< 1.5
SW-22	920901	3700	< 20	1.6	6.7	< 1.5	< 1.0	400	< 40		5.4	2.6
SW-22	921201	10000	< 20	4.4	18.0	< 1.5	< 1.0	930	< 40		18.0	7.2
SW-23	921202	10000	43	34.0	13.0	< 1.5	1.2	1600	49	33 J	1500.0	4.6
SW-23	921202											
SW-24	930107	17000	1.2	55	34	< 2.3	1.7	2200	83		1600	23 J
SW-25	930325	60000	< 92	430	250	< 6.9	14	9900	160		3000	39
SW-26	930325	6800	< 20	320	160	< 1.5	2.2	1800	110		460	3.5
SW-27	930325	21000	< 75	440	250	< 5.6	7.5	6900	240		1900 J	26
SW-29	930420	7400	< 33	55	44	< 2.5	1.8	2300	50		26	9.3
SW-30	930420	3500	< 20	10	16	< 1.5	< 1	930	< 40		8.6	6.4

SUMMARY OF ROUND 1 & 2 SEDIMENT DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	CU, TOT	FE, TOT	PB, TOT	MG, TOT	MN, TOT	HG, TOT	NI, TOT	AMMONIA AS N	NO3	NO2	K, TOT
SW-01	920831	14.0	12000	21	1600	75.0	< 0.10 UJ	5.4	12			410
SW-01	921130	18.0	7900	17	1600	150.0	< 0.10	6.5	19			890
SW-02	920831	22.0	7900	< 10	980	86.0	< 0.12 UJ	5.6	12			360
SW-02	921130	20.0	9000	< 10	1100	84.0	< 0.10	5.3	< 8			720
SW-03	920831	190.0	130000	< 35	1900	350.0	0.34	18.0	50			400
SW-03	921130	160.0	140000	60	2100	1500.0	0.39	18.0	130			1200
SW-04	920831	6.2	4800	< 10	1000	48.0	< 0.10	5.1	< 8			320
SW-04	921130	19.0	22000	< 10	1400	150.0	< 0.10	8.4	110			930
SW-05	920831	12.0	4900	13	800	55.0	< 0.12	6.1	33			330
SW-05	921130	12.0	6800	14	1100	86.0	0.17 J	6.5	56			530
SW-06	920831	19.0	26000	170	720	98.0	0.12	8.2	85			280
SW-06	921201											
SW-06	921201	20.0	6800	19	560	82.0	0.13	10.0	160	1.4 J	< 1 UJ	400
SW-06	921201	38.0	9500	12	660	69.0	< 0.10	22.0	160	1.5 J	< 1 UJ	340
SW-06	921201											
SW-07	920901	6.9	4600	< 10	530	52.0	< 0.14 UJ	8.0	77			150
SW-07	921201	4.9	3400	< 10	760	45.0	0.15	6.2	87			330
SW-08	920901	19.0	13000	17	590	63.0	0.65 J	25.0	300			250
SW-08	921201	14.0	10000	< 10	1100	61.0	0.17	20.0	180	2.8 J	< 1 UJ	490
SW-08	921201											
SW-09	920901	14.0	5600	< 10	320	44.0	1.20 J	12.0	140			140
SW-09	921201	15.0	5000	14	580	35.0	0.21	14.0	120			280
SW-10	920901	8.0	6600	< 10	250	39.0	0.21 J	6.7	23			130
SW-10	921201	6.2	6500 J	< 10	590	52.0	< 0.10	4.3	120			310
SW-11	920901	< 2.5	1200	< 10	160	14.0	< 0.10 UJ	< 4.0	110			150
SW-11	921201	9.9	7000	< 10	540	33.0	0.11	4.7	410			260
SW-12	920902	24.0	9500	55	1300	44.0	0.14 J	7.6	24			480
SW-12	921201	13.0	8900	12	2300	53.0	< 0.13	13.0	27			960
SW-13	920902	9.1	3600	< 10	720	26.0	0.79 J	< 4.0	100			330
SW-13	921201											
SW-13	921201	6.2	4700	< 10	1000	48.0	0.18	< 4.0	98	3.7 J	2.2 J	470
SW-14	920901	11.0	6000	< 10	2100	53.0	< 0.10 UJ	18.0	180			200
SW-14	921201	3.4	3800	< 10	450	26.0	< 0.10	< 4.0	93			340

SUMMARY OF ROUND 1 & 2 SEDIMENT DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	CU, TOT	FE, TOT	PB, TOT	MG, TOT	MN, TOT	HG, TOT	NI, TOT	AMMONIA AS N	NO3	NO2	K, TOT
SW-15	920902	25.0	11000	10	1900	97.0	0.21 J	5.3	80			980
SW-15	921202	120.0	10000	100	1400	55.0	0.96	14.0	140			760
SW-16	920902	1 .0	38000	24	1700	65.0	< 0.18	9.3	< 8			1200
SW-16	921202											
SW-16	921202	46.0	83000	21	1800	86.0	< 0.20	9.5	1000	2.6 J	< 1	840
SW-17	920901	< 2.5	3600	< 10	940	25.0	< 0.13	< 4.1	120			210
SW-17	920901	< 2.5	4200	< 10	730	32.0	< 0.11	5.0	120			260
SW-17	921202	32.0	6400	< 10	1000	37.0	< 0.12	5.7	300 J	3.4 J	< 1	300
SW-17	921202	45.0 J	6100	< 10	1100	36.0	< 0.11	7.8	290	2.9 J	< 1	450
SW-17	921202											
SW-17	921202											
SW-18	920902	5.3	3200	< 10	890	27.0	< 0.10	< 4.0	< 8			330
SW-18	921202	4.1	3300	< 10	970	37.0	< 0.10	< 4.0	75			420
SW-19	920902	< 2.5	330	< 10	83	3.7	< 0.10 UJ	< 4.0	23			170
SW-19	921203	9.4	2100	27	300	9.8	< 0.13	< 4.9	85			340
SW-20	920901	4.0	1900	< 12	240	13.0	< 0.10 UJ	< 4.7	23			140
SW-20	921201	3.6	1800	< 10	340	16.0	< 0.10	< 4.0	18			240
SW-21	920901	7.0	2900	40	700	35.0	< 0.26 UJ	< 6.3	< 8			320
SW-21	921201	5.3	3000	15	710	42.0	< 0.10	< 4.0	35			530
SW-22	920901	< 2.5	2400	< 10	350	28.0	< 0.10 UJ	< 4.0	89			190
SW-22	921201	6.1	7100	31	49	95.0	< 0.13	6.9	22			450
SW-23	921202	47.0	20000	32	790	190.0	0.26	15.0	50	< 1 UJ	< 1	290
SW-23	921202											
SW-24	930107	59	27000	33	1200	780 J	< 0.28	30	190			450
SW-25	930325	260	130000	790	2400	620	1.3	54	410 J			1600
SW-26	930325	110	44000	270	840	140	1.1 J	4	130 J			460
SW-27	930325	280	110000	540 J	2100 J	1900	1.2	41	370 J			1200
SW-29	930420	66	25000	27	3500	260	< 0.15	13 J	51			1700
SW-30	930420	28	8400	18	980	180	< 0.1	6.4	21 J			580

SUMMARY OF ROUND 1 & 2 SEDIMENT DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	SE, TOT	AG, TOT	NA, TOT	TRS	SO4, TOT	TL, TOT	V, TOT	ZN, TOT
					WT %				
SW-01	920831	< 0.50	< 1.50	100	77	3100 J	< 0.50	8.70	77.00
SW-01	921130	< 2.00	< 1.50 UJ	150	59	110	< 2.00	13.00	26.00
SW-02	920831	< 0.50	< 1.50	36	80	740 J	< 0.50	7.80	29.00
SW-02	921130	< 1.60	< 1.50 UJ	59	73	140	< 1.60	10.00	29.00
SW-03	920831	< 1.80	< 5.30	250	20	3900 J	< 1.80	66.00	160.00
SW-03	921130	< 5.90	< 3.80 UJ	210	19	640	< 5.90	73.00	170.00
SW-04	920831	< 0.50	< 1.50	63	78	190 J	< 0.50	7.50	22.00
SW-04	921130	< 2.40	< 1.50 UJ	170	50	640	< 2.40	20.00	37.00
SW-05	920831	< 0.50	< 1.50	58	69	380 J	< 0.50	7.80	47.00
SW-05	921130	< 2.00	< 1.50 UJ	110	61	640	< 2.00	11.00	19.00
SW-06	920831	< 0.50	< 1.50	110	72	390 J	< 0.50	9.00	150.00
SW-06	921201				62				
SW-06	921201	< 0.50	< 1.50	220	48	340	< 0.75	11.00	38.00
SW-06	921201	< 0.50	< 1.50	180	61	500	< 0.85	9.00	26.00
SW-06	921201				49				
SW-07	920901	< 0.50	< 1.50	100	72	540 J	< 0.50	5.10	23.00
SW-07	921201	< 0.50	< 1.50	120	69	220	< 0.67	4.70	17.00
SW-08	920901	< 0.70	< 2.00	500	52	3200 J	< 3.50	11.00	78.00
SW-08	921201	< 0.50	2.70	230	55	1100	< 0.86	10.00	76.00
SW-08	921201				56				
SW-09	920901	< 0.50	< 1.50	230	60	1800 J	< 2.40	13.00	37.00
SW-09	921201	< 0.50	< 1.50	150	57	770	< 0.90	9.90	39.00
SW-10	920901	< 0.52	< 1.50	140	66	720 J	< 0.52	6.10	25.00
SW-10	921201	< 0.50	< 1.50	150	73	490	< 0.63	8.70	21.00
SW-11	920901	< 0.50	< 1.50	130	75	280 J	< 0.50	< 2.50	4.00
SW-11	921201	< 0.50	< 1.50	290	66	1100	< 0.73	13.00	30.00
SW-12	920902	< 0.50	< 1.50	290	73	380 J	< 0.50	24.00	110.00
SW-12	921201	< 0.50	< 1.50	240	65	96	< 0.66	32.00	61.00
SW-13	920902	< 0.50	< 1.50	300	71	680 J	< 0.50	8.90	32.00
SW-13	921201				59				
SW-13	921201	< 0.50	< 1.50	310	71	140	< 0.88	9.20	25.00
SW-14	920901	< 0.50	< 1.50	150	72	240 J	< 0.50	11.00	15.00
SW-14	921201	< 0.50	< 1.50	95	70	230	< 0.71	11.00	12.00

SUMMARY OF ROUND 1 & 2 SEDIMENT DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	SE, TOT	AG, TOT	NA, TOT	TRS	SO4, TOT	TL, TOT	V, TOT	ZN, TOT
					WT %				
SW-15	920902	< 0.52	< 1.50	310	68	490 J	< 0.52	15.00	17.00
SW-15	921202	< 5.70	< 3.50	1600	22	1300	< 1.10	27.00	60.00
SW-16	920902	< 0.56	< 1.70	140	45	370 J	< 0.56	23.00	27.00
SW-16	921202				39				
SW-16	921202	< 5.70	< 1.90	1500	33	6000	< 0.57	31.00	25.00
SW-17	920901	< 0.57	< 1.50	130	73	800 J	< 0.57	4.40	9.70
SW-17	920901	< 0.50	< 1.50	120	73	650 J	< 0.50	5.10	8.80
SW-17	921202	< 2.10	< 1.50	400	60	1800	< 0.50	7.50	15.00
SW-17	921202	< 2.10	< 1.50	400	63	1300	< 0.50	8.00	13.00
SW-17	921202				71				
SW-17	921202				76				
SW-18	920902	< 0.50	< 1.50	32	79	100 J	< 0.50	4.10	8.10
SW-18	921202	< 0.50	< 1.50	97	77	100	< 0.50	5.30	9.50
SW-19	920902	< 0.50	< 1.50	35	78	130 J	< 0.50	< 2.50	< 2.50
SW-19	921203	< 0.61	< 1.80	100	42	250	< 3.10	13.00	7.30
SW-20	920901	< 0.50	< 1.80	43	65	190 J	< 0.50	7.50	4.80
SW-20	921201	< 0.50	< 1.50	40	64	< 40	< 0.50	6.30	3.90
SW-21	920901	0.78	< 2.40	77	46	210 J	< 0.65	9.60	9.20
SW-21	921201	< 0.51	5.80	93	55	80	< 0.51	9.00	7.20
SW-22	920901	< 0.50	< 1.50	28	75	210 J	< 0.50	3.60	6.20
SW-22	921201	< 2.50	< 1.50	43	52	190	< 0.99	10.00	19.00
SW-23	921202	< 0.50	< 1.50	94	50	260	< 0.50	19.00	150.00
SW-23	921202				51				
SW-24	930107	< 0.77	< 2.3	140	32	1900	< 1.5 R	24	210
SW-25	930325	< [illegible]	< 6.9	360	13	18000	< 2.2	93	1100
SW-26	930325	< [illegible]	< 1.5	220	57	3600	< 0.5	14	370
SW-27	930325	< 3.[illegible] R	< 5.6	560	19	4300	< 1.9	34	1100
SW-29	930420	< 3.3 R	< 2.5	160	49	1200	< 0.66	24	120
SW-30	930420	< 2.5	< 1.5	76	76	< 40	< 0.5	10	23

TAB 20

SUMMARY OF BACKGROUND SOIL DATA

SUMMARY OF BACKGROUND SOIL DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	124TCB	12DCLB	13DCLB	14DCLB	24DNT	26DNT	2CNAP	2MNAP	2NANIL	33DCBD	3NANIL
BGS-01	921102	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 820	< 330	< 820
BH-41		< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 820	< 330	< 820

WELL	DATE	4BRPPE	4CANIL	4CLPPE	4NANIL	ANAPNE	ANAPYL	ANTRC	BAANTR	BAPYR	BBFANT	BGHIPY
BGS-01	921102	< 330	< 330	< 330	< 820	< 330	< 330	< 330	< 330	< 330	< 330	< 330
BH-41		< 330	< 330	< 330	< 820	< 330	< 330	< 330	< 330	< 330	< 330	< 330

WELL	DATE	BKFANT	BZALC	B2CEXM	B2CLEE	B2CIPE	B2EHP	BBZP	CHRY	DNBP	DNOP	DBAHA
BGS-01	921102	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330
BH-41		< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330

WELL	DATE	DBZFUR	DEP	DMP	FANT	FLRENE	CL6BZ	HCBD	CL6CP	CL6ET	ICDPYR	NNDNPA
BGS-01	921102	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330
BH-41		< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330	< 330

WELL	DATE	NNDPA	NAP	NB	PHANTR	PYR
BGS-01	921102	< 330	< 330	< 330	< 330	< 330
BH-41		< 330	< 330	< 330	< 330	< 330

concentration units: ug/kgdrywt

SUMMARY OF BACKGROUND SOIL DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	AL, TOT	SB, TOT	AS, TOT	BA, TOT	BE, TOT	CD, TOT	CA, TOT	CR, TOT	CO, TOT	CU, TOT	FE, TOT
BGS-01	921102	7900	< 20	7.1	22	< 1.5	< 1	1400	16	3.7	6.4	12000
BH-41		6100	< 20	6.2	11	< 1.5	< 1	620	14	2.4	5.1	9200

WELL	DATE	PB, TOT	MG, TOT	MN, TOT	HG, TOT	NI, TOT	K, TOT	SE, TOT	AG, TOT	NA, TOT	TRS	TL, TOT
											WT %	
BGS-01	921102	11	3000	150	< 0.1	6.5	1400	< 0.64	< 1.5	130	98 J	< 0.5
BH-41		< 10	2400	100	< 0.1	5.5	910	< 0.64	< 1.5	39	98 J	< 0.5

WELL	DATE	V, TOT	ZN, TOT
BGS-01	921102	16	21
BH-41		12	16

concentration units: mg/kgdrywt

WATER DATA

TAB 21

SUMMARY OF GROUNDWATER DATA PREVIOUS TO ROUND 1

SUMMARY OF GROUNDWATER DATA PREVIOUS TO ROUND 1 - PCB's AND PESTICIDE's

OLIN - WILMINGTON FACILITY

WELL	DATE	44DDD	44DDE	44DDT	ALDRN	ABHC	ACLDAN	BBHC	DBHC	DLDRN	AENSLF	BENSLF
IW-11	911217	< 1.0	< 1.0	< 1.0	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 1.0	< 0.50	< 1.0
GW-27D	911210	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 0.50 UJ	< 0.50 UJ	< 5.0 UJ	< 0.50 UJ	< 0.50 UJ	< 1.0 UJ	< 0.50 UJ	< 1.0 UJ
GW-31D	911206	< 1.2	< 1.2	< 1.2	< 0.60	< 0.60	< 6.0	< 0.60	< 0.60	< 1.2	< 0.60	< 1.2
GW-35S	911210	< 1.1	< 1.1	< 1.1	< 0.55	< 0.55	< 5.5	< 0.55	1.00	< 1.1	< 0.55	< 1.1
GW-36	911210	< 1.0	< 1.0	< 1.0	< 0.50	< 0.50	< 5.0	< 0.50	< 0.50	< 1.0	< 0.50	< 1.0
GW-40D	911210	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-42D	911210	< 0.1 UJ	< 0.1 UJ	< 0.1 UJ	< 0.05 UJ	0.12 J	< 0.6 UJ	< 0.06 UJ	0.20 J	< 0.1 UJ	< 0.05 UJ	< 0.1 UJ
GW-42D	911210	< 0.1 UJ	< 0.1 UJ	< 0.1 UJ	< 0.06 UJ	0.09 J	< 0.5 UJ	< 0.05 UJ	< 0.06 UJ	< 0.1 UJ	< 0.06 UJ	< 0.1 UJ
GW-50D	911210	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-54S	911206	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-55D	911210	< 1.0	< 1.0	< 1.0	< 0.50	< 0.50	< 5.0	< 0.50	2.70	< 1.0	< 0.50	< 1.0
SL-05	911210	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1

concentration: ug/l

SUMMARY OF GROUNDWATER DATA PREVIOUS TO ROUND 1 - PCB's AND PESTICIDE's

OLIN - WILMINGTON FACILITY

WELL	DATE	ESFSO4	ENDRN	ENDRNA	ENDRNK	LIN	GCLDAN	HPCL	HPCLE	MEOXCL	PCB016	PCB221
IW-11	911217	< 1.0	< 1.0		< 1.0	< 0.50	< 5.0	< 0.50	< 0.50	< 5.0	< 5	< 5
GW-27D	911210	< 1.0 UJ	< 1.0 UJ		< 1.0 UJ	< 0.50 UJ	< 5.0 UJ	< 0.50 UJ	< 0.50 UJ	< 5.0 UJ	< 5 UJ	< 5 UJ
GW-31D	911206	< 1.2	< 1.2		< 1.2	< 0.60	< 6.0	< 0.60	< 0.60	< 6.0	< 6	< 6
GW-35S	911210	< 1.1	< 1.1		< 1.1	< 0.55	< 5.5	< 0.55	< 0.55	< 5.5	< 5.5	< 5.5
GW-36	911210	< 1.0	< 1.0		< 1.0	< 0.50	< 5.0	< 0.50	< 0.50	< 5.0	< 5	< 5
GW-40D	911210	< 0.1	< 0.1		< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 0.5	< 0.5
GW-42D	911210	< 0.1 UJ	< 0.1 UJ		< 0.1 UJ	< 0.06 UJ	< 0.5 UJ	< 0.06 UJ	< 0.06 UJ	< 0.6 UJ	< 0.5 UJ	< 0.6 UJ
GW-42D	911210	< 0.1 UJ	< 0.1 UJ		< 0.1 UJ	< 0.05 UJ	< 0.6 UJ	< 0.05 UJ	< 0.05 UJ	< 0.5 UJ	< 0.6 UJ	< 0.5 UJ
GW-50D	911210	< 0.1	< 0.1		< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 0.5	< 0.5
GW-54S	911206	< 0.1	< 0.1		< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	1.6	< 0.5
GW-55D	911210	< 1.0	< 1.0		< 1.0	< 0.50	< 5.0	< 0.50	< 0.50	< 5.0	< 5	< 5
SL-05	911210	< 0.1	< 0.1		< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 0.5	< 0.5

concentration: ug/l

SUMMARY OF GROUNDWATER DATA PREVIOUS TO ROUND 1 - PCB's AND PESTICIDE's

OLIN - WILMINGTON FACILITY

WELL	DATE	PCB232	PCB242	PCB248	PCB254	PCB260	TXPHEN
IW-11	911217	< 5	< 5	< 5	< 10	< 10	< 10
GW-27D	911210	< 5 UJ	< 5 UJ	< 5 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-31D	911206	< 6	< 6	< 6	< 12	< 12	< 12
GW-35S	911210	< 5.5	< 5.5	< 5.5	< 11	< 11	< 11
GW-36	911210	< 5	< 5	< 5	< 10	< 10	< 10
GW-40D	911210	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1
GW-42D	911210	< 0.6 UJ	< 0.6 UJ	< 0.5 UJ	< 1.1 UJ	< 1 UJ	< 1.1 UJ
GW-42D	911210	< 0.5 UJ	< 0.5 UJ	< 0.6 UJ	< 1 UJ	< 1.1 UJ	< 1 UJ
GW-50D	911210	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1
GW-54S	911206	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1
GW-55D	911210	< 5	< 5	< 5	< 10	< 10	< 10
SL-05	911210	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1

concentration: ug/l

SUMMARY OF GROUNDWATER DATA PREVIOUS TO ROUND 1 - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	AL, TOT	SB, TOT	AS, TOT	BA, TOT	BE, TOT	CD, TOT	CA, TOT	CL, TOT	CR, TOT	CO, TOT	CU, TOT
IW-11	911217	< 0.10	< 0.005	0.016	0.024	< 0.015	< 0.010	20.0	36.0	< 0.015	< 0.015	< 0.025
GW-03D	910801								15.0	< 0.015		
GW-03S	910801								8.2	< 0.015		
GW-04	910801								58.0	< 0.015		
GW-04D	910801								140.0	< 0.015		
GW-10D	910801								1800.0	20.000		
GW-10S	910801								22.0	< 0.015		
GW-11	910801								160.0	< 0.015		
GW-12	910801								20.0	< 0.015		
GW-17D	910801								54.0	0.610		
GW-17S	910801								54.0	< 0.015		
GW-18D	910801								70.0	< 0.015		
GW-21D	910801								7.0	< 0.015		
GW-21S	910801								15.0	< 0.015		
GW-24	910801								210.0	< 0.015		
GW-25	910801								390.0	< 0.015		
GW-26	910801								1500.0	< 0.015		
GW-27D	911210	330.00	< 0.050	< 0.100	0.070	0.034	0.029	430.0	3700.0 J	73.000	2.100	3.100
GW-28D	910801								70.0	< 0.015		
GW-28S	910801								58.0	< 0.015		
GW-29D	910801								690.0	0.630		
GW-29S	910801								63.0	0.110		
GW-31D	911206	33.00	< 0.005	0.084 J	0.280	< 0.015	< 0.010	18.0	50.0	0.150	0.089	0.230
GW-35S	911210	39.00	< 0.005	0.087	0.110	< 0.015	0.012	200.0	200.0	2.800	0.049	0.160
GW-36	910801								13000.0	1300.000		
GW-36	911210	2400.00	< 0.250	< 0.500	0.140	0.084	0.190	590.0	9300.0	2000.000	3.000	2.800
GW-37	910801								7800.0	840.000		
GW-38	910801								820.0	29.000		
GW-38	910801								860.0	25.000		
GW-39	910801								20.0	0.021		
GW-40D	910801								530.0	0.017		

concentration: mg/L

SUMMARY OF GROUNDWATER DATA PREVIOUS TO ROUND 1 - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	AL, TOT	SB, TOT	AS, TOT	BA, TOT	BE, TOT	CD, TOT	CA, TOT	CL, TOT	CR, TOT	CO, TOT	CU, TOT
GW-40D	911210	20.00	< 0.005	< 0.025	0.110	< 0.015	< 0.010	220.0 J	440.0	0.037	0.028	0.091
GW-40S	910801								3.1	< 0.015		
GW-42D	910801								18000.0	3500.000		
GW-42D	911210	1900.00	< 0.250	1.000	0.160	0.160	0.100	620.0	18000.0 J	3000.000	6.600	12.000
GW-42D	911210	1900.00	< 0.250	0.900	0.130	0.160	0.099	640.0	18000.0 J	3000.000	6.600	14.000
GW-42S	910801								85.0 J	0.039		
GW-43D	910801								2100.0	120.000		
GW-43S	910801								46.0	< 0.015		
GW-44D	920127								8900.0	930.000		
GW-44S	920208								55.0	< 0.015		
GW-45D	911213								11000.0	910.000		
GW-46D	920208								51.0	0.040		
GW-47	910801								43.0	0.045		
GW-48D	910801								31.0	< 0.015		
GW-48S	910801								9.2	< 0.015		
GW-50D	910801								1800.0	0.015		
GW-50D	911210	46.00	< 0.010	< 0.050	0.140	< 0.015	< 0.010	470.0	1600.0 J	0.120	0.470	0.280
GW-50S	910801								100.0	< 0.015		
GW-51D	910801								42.0	< 0.015		
GW-51S	910801								12.0	0.024		
GW-52D	910801								54.0	< 0.015		
GW-52S	910801								5.1	< 0.015		
GW-53D	910801								60.0	0.018		
GW-53S	910801								3.6	< 0.015		
GW-54D	910801								32.0	< 0.015		
GW-54D	910801								30.0	< 0.015		
GW-54S	910801								7.4	0.046		
GW-54S	911206	55.00 J	< 0.005	0.015	0.190	< 0.015	< 0.010	32.0	10.0	0.200	0.024	0.200
GW-55D	910801								1700.0	0.086		
GW-55D	911210	43.00	< 0.050	< 0.050	0.190	< 0.015	0.022	290.0	2100.0 J	0.520	0.320	0.130
GW-55S	910801								170.0	< 0.015		

concentration: mg/L

SUMMARY OF GROUNDWATER DATA PREVIOUS TO ROUND 1 - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	AL, TOT	SB, TOT	AS, TOT	BA, TOT	BE, TOT	CD, TOT	CA, TOT	CL, TOT	CR, TOT	CO, TOT	CU, TOT
GW-56D	910801								86.0 J	< 0.015		
GW-56S	910801								65.0	< 0.015		
GW-57D	920208								180.0	< 0.015		
GW-57D	920513								56.0	0.24		
GW-59D	920208								5400.0	4.900		
GW-59S	920208								60.0	< 0.015		
GW-60D	920513								44.0	< 0.015		
GW-60S	920513								43.0	0.63		
GW-61D	920512								140.0	< 0.015		
GW-61S	920513								71.0	0.018		
GW-62D	920512								86.0	< 0.015		
GW-62M	920512								51.0	< 0.015		
GW-62S	920512								44.0	< 0.015		
SL-05	911210	12.00	< 0.005	0.010	0.077	< 0.015	< 0.010	440.0	160.0	0.041	0.021	0.360

concentration: mg/L

SUMMARY OF GROUNDWATER DATA PREVIOUS TO ROUND 1 - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	CYN, TOT	FE, TOT	PB, TOT	MG, TOT	MN, TOT	HG, TOT	NI, TOT	AMMONIA AS N	K, TOT	SE, TOT	AG, TOT
IW-11	911217	0.024	8.800	< 0.005	3.30	0.630	< 0.00020	< 0.040	100.00	2.80	< 0.005	< 0.015
GW-03D	910801								58.00			
GW-03S	910801								8.20			
GW-04	910801								31.00			
GW-04D	910801								52.00			
GW-10D	910801								690.00			
GW-10S	910801								5.80			
GW-11	910801								220.00			
GW-12	910801								< 0.10			
GW-17D	910801								180.00 J			
GW-17S	910801								15.00			
GW-18D	910801								0.26			
GW-21D	910801								3.20			
GW-21S	910801								8.70			
GW-24	910801								160.00			
GW-25	910801								230.00			
GW-26	910801								52.00			
GW-27D	911210	< 0.020 UJ	120.000	< 0.050	420.00	64.000	< 0.00020	1.600	55.00	26.00	< 0.250	< 0.015
GW-28D	910801								22.00			
GW-28S	910801								27.00			
GW-29D	910801								140.00			
GW-29S	910801								9.80			
GW-31D	911206	< 0.020 UJ	69.000	0.051 J	10.00	2.000	< 0.00020	0.130	18.00	8.10	< 0.005	< 0.015
GW-35S	911210	< 1.000 UJ	150.000	< 0.025	9.10	0.710	0.00038	0.120	180.00	6.40	< 0.025	< 0.015
GW-36	910801								520.00			
GW-36	911210	0.026 J	3600.000	< 0.250	1600.00	110.000	0.00093	4.200	100.00	26.00	< 0.500	< 0.015
GW-37	910801								3200.00			
GW-38	910801								300.00			
GW-38	910801								360.00			
GW-39	910801								1.20			
GW-40D	910801								370.00			

concentration: mg/L

SUMMARY OF GROUNDWATER DATA PREVIOUS TO ROUND 1 - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	CYN, TOT	FE, TOT	PB, TOT	MG, TOT	MN, TOT	HG, TOT	NI, TOT	AMMONIA AS N	K, TOT	SE, TOT	AG, TOT
GW-40D	911210	< 0.020 UJ	26.000	< 0.010	25.00	3.400	< 0.00020	< 0.040	260.00	13.00	< 0.025 R	< 0.015
GW-40S	910801								< 0.10			
GW-42D	910801								620.00			
GW-42D	911210	0.034 J	1900.000	< 0.250	940.00	480.000	0.00038	4.600	150.00	60.00	< 0.250	0.050
GW-42D	911210	0.039 J	2000.000	< 0.250	960.00	490.000	0.00038	4.700	180.00	60.00	< 0.250	0.059
GW-42S	910801								8.60			
GW-43D	910801								2300.00			
GW-43S	910801								20.00			
GW-44D	920127								3900.00			
GW-44S	920208								0.31			
GW-45D	911213								2600.00			
GW-46D	920208								< 0.10			
GW-47	910801								0.29			
GW-48D	910801								< 0.10			
GW-48S	910801								0.27			
GW-50D	910801								1000.00			
GW-50D	911210	< 0.020 UJ	94.000	< 0.050	160.00	20.000	< 0.00020	0.260	28.00	51.00	< 0.100	< 0.015
GW-50S	910801								66.00			
GW-51D	910801								55.00			
GW-51S	910801								24.00			
GW-52D	910801								380.00			
GW-52S	910801								65.00			
GW-53D	910801								12.00			
GW-53S	910801								0.19			
GW-54D	910801								22.00			
GW-54D	910801								26.00			
GW-54S	910801								15.00			
GW-54S	911206	< 0.020 UJ	63.000	0.025	20.00	0.820	< 0.00020	0.059	17.00	7.30	< 0.005	< 0.015
GW-55D	910801								1200.00			
GW-55D	911210	< 0.020 UJ	440.000	< 0.050	96.00	13.000	< 0.00020	0.190	42.00	35.00	< 0.100	< 0.015
GW-55S	910801								94.00			

concentration: mg/L

SUMMARY OF GROUNDWATER DATA PREVIOUS TO ROUND 1 - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	CYN, TOT	FE, TOT	PB, TOT	MG, TOT	MN, TOT	HG, TOT	NI, TOT	AMMONIA AS N	K, TOT	SE, TOT	AG, TOT
GW-56D	910801								5.70			
GW-56S	910801								11.00			
GW-57D	920208								< 0.10			
GW-57D	920513								4.2			
GW-59D	920208								190.00			
GW-59S	920208								3.30			
GW-60D	920513								0.12			
GW-60S	920513								< 0.10			
GW-61D	920512								0.28			
GW-61S	920513								< 0.10			
GW-62D	920512								2.70			
GW-62M	920512								1.40			
GW-62S	920512								2.00			
SL-05	911210	0.053 J	21.000	< 0.005	21.00	2.300	< 0.00020	0.110	86.00	11.00	< 0.025	< 0.015

concentration: mg/L

SUMMARY OF GROUNDWATER DATA PREVIOUS TO ROUND 1 - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	NA, TOT	SO4, TOT	TL, TOT	V, TOT	ZN, TOT
IW-11	911217	36	58.0	< 0.005	< 0.025	0.043
GW-03D	910801		240			
GW-03S	910801		120			
GW-04	910801		390			
GW-04D	910801		830			
GW-10D	910801		6700			
GW-10S	910801		38			
GW-11	910801		770			
GW-12	910801		46			
GW-17D	910801		2300			
GW-17S	910801		1200			
GW-18D	910801		130			
GW-21D	910801		10			
GW-21S	910801		24			
GW-24	910801		670			
GW-25	910801		960			
GW-26	910801		270			
GW-27D	911210	3800	18000.0	< 0.050	0.075	2.800
GW-28D	910801		100			
GW-28S	910801		86			
GW-29D	910801		740			
GW-29S	910801		7			
GW-31D	911206	61	51.0	< 0.005	0.150	22.000
GW-35S	911210	100	1100.0	< 0.025	0.044	0.200
GW-36	910801		59000			
GW-36	911210	18000	52000.0	< 0.100	1.400	14.000
GW-37	910801		36000			
GW-38	910801		3700			
GW-38	910801		3400			
GW-39	910801		500			
GW-40D	910801		1800			

concentration: mg/L

SUMMARY OF GROUNDWATER DATA PREVIOUS TO ROUND 1 - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	NA, TOT	SO4, TOT	TL, TOT	V, TOT	ZN, TOT
GW-40D	911210	270 J	1200.0	< 0.025 R	0.044	0.073
GW-40S	910801		59			
GW-42D	910801		830000			
GW-42D	911210	20000	70000.0	< 0.100	0.520	9.900
GW-42D	911210	20000	74000.0	< 0.100	0.540	9.900
GW-42S	910801		83			
GW-43D	910801		13000			
GW-43S	910801		100			
GW-44D	920127		32000			
GW-44S	920208		27			
GW-45D	911213		45000.0			
GW-46D	920208		16			
GW-47	910801		63			
GW-48D	910801		16			
GW-48S	910801		32			
GW-50D	910801		7700			
GW-50D	911210	1800	6500.0	< 0.050	0.130	0.190
GW-50S	910801		540			
GW-51D	910801		590			
GW-51S	910801		370			
GW-52D	910801		180			
GW-52S	910801		33			
GW-53D	910801		84			
GW-53S	910801		41			
GW-54D	910801		190			
GW-54D	910801		200			
GW-54S	910801		51			
GW-54S	911206	28 J	95.0 J	< 0.005	0.099	0.130
GW-55D	910801		8100			
GW-55D	911210	1700	8800.0	< 0.050	0.100	0.240
GW-55S	910801		770			

concentration: mg/L

SUMMARY OF GROUNDWATER DATA PREVIOUS TO ROUND 1 - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	NA, TOT	SO4, TOT	TL, TOT	V, TOT	ZN, TOT
GW-56D	910801		390			
GW-56S	910801		390			
GW-57D	920208		22			
GW-57D	920513		< 2			
GW-59D	920208		19000			
GW-59S	920208		60			
GW-60D	920513		13.0			
GW-60S	920513		< 20			
GW-61D	920512		25			
GW-61S	920513		16			
GW-62D	920512		79.0			
GW-62M	920512		32.0			
GW-62S	920512		38.0			
SL-05	911210	100	1300.0	< 0.025	< 0.025	0.065

concentration: mg/L

SUMMARY OF GROUNDWATER DATA PREVIOUS TO ROUND 1 - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	CCL3	CH3CL	C13DCP	DBRCLM	ETC6H5	C2CL2	STYR	TCLEE	MEC6H5	T13DCP	TRCLE
IW-11	911217	< 5	< 10	< 5	< 5	27	2 U	7	< 5	6 U	< 5	2 J
GW-27D	911210	32	4 J	< 25	140	< 25	23 U	< 25	14 J	63	< 25	4 J
GW-31D	911206	< 5	< 10	< 5	< 5	< 5	2 JU	< 5	< 5	< 5	< 5	< 5
GW-35S	911210	< 5	< 10	< 5	< 5	5	1 U	< 5	2 U	42	< 5	< 5
GW-36	911210	51	5 J	< 5	150	1 J	10 U	< 5	78	37	< 5	3 J
GW-40D	911210	1 U	< 10	< 5	< 5	< 5	2 U	< 5	9	5 U	< 5	< 5
GW-42D	911210	59	6 J	< 5	3 J	1 J	3 U	< 5	4 U	56	< 5	5
GW-42D	911210	60	9 J	< 5	3 J	1 J	4 U	< 5	3 U	54	< 5	5
GW-50D	911210	2 U	< 10	< 5	< 5	< 5	2 U	< 5	22	1 U	< 5	2 J
GW-54S	911206	< 5	< 10	< 5	< 5	< 5	2 U	< 5	< 5	1 J	< 5	< 5
GW-55D	911210	8	< 10	< 5	< 5	2 J	8 U	< 5	2 J	37	< 5	2 J
SL-05	911210	< 5	< 10	< 5	< 5	< 5	2 U	< 5	2 U	< 5	< 5	< 5

concentration: ug/L

SUMMARY OF GROUNDWATER DATA PREVIOUS TO ROUND 1 - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	C2AVE	C2H3CL	TXYLEN
1W-11	911217	< 15	< 10	< 5
GW-27D	911210	< 75	< 50	< 25
GW-31D	911206	< 15	< 10	< 5
GW-35S	911210	1 J	< 10	3 J
GW-36	911210	< 15	< 10	1 J
GW-40D	911210	< 15	< 10	< 5
GW-42D	911210	< 15	< 10	1 J
GW-42D	911210	< 15	< 10	< 5
GW-50D	911210	< 15	< 10	< 5
GW-54S	911206	< 15	< 10	< 5
GW-55D	911210	< 15	< 10	7 J
SL-05	911210	< 15	< 10	< 5

concentration: ug/L

SUMMARY OF GROUNDWATER DATA PREVIOUS TO ROUND 1 - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	124TCB	12DCLB	13DCLB	14DCLB	245TCP	246TCP	24DCLP	24DMPN	24DNP	24DNT	26DNT
IW-11	911217	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 50	< 10	< 10
GW-27D	911210	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 50	< 10	< 10
GW-31D	911206	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 50	< 10	< 10
GW-35S	911210	< 11	< 11	< 11	< 11	< 55	< 11	< 11	180	< 55	< 11	< 11
GW-36	911210	< 10	< 10	< 10	< 10	< 50 R	< 10 R	< 10 R	< 10 R	< 50 R	< 10	< 10
GW-40D	911210	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 50	< 10	< 10
GW-42D	911210	< 10	< 10	< 11	< 10	< 50 R	< 11 R	< 11 R	< 11 R	< 50 R	< 11	< 10
GW-42D	911210	< 11	< 11	< 10	< 11	< 55 R	< 10 R	< 10 R	< 10 R	< 55 R	< 10	< 11
GW-50D	911210	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 50	< 10	< 10
GW-54S	911206	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 50	< 10	< 10
GW-55D	911210	< 10 R	< 10 R	< 10 R	< 10 R	< 50 R	< 10 R	< 10 R	< 10 R	< 50 R	< 10 R	< 10 R
SL-05	911210	< 12	< 12	< 12	< 12	< 60	< 12	< 12	< 12	< 60	< 12	< 12

concentration: ug/L

SUMMARY OF GROUNDWATER DATA PREVIOUS TO ROUND 1 - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	2CNAP	2CLP	2MNAP	2MP	2NANIL	2NP	33DCBD	3NANIL	46DN2C	4BRPPE	4CL3MP
IW-11	911217	< 10	< 10	< 10	< 10	< 50	< 10	< 20	< 50	< 50	< 10	< 10
GW-27D	911210	< 10	< 10	< 10	< 10	< 50	31	< 20	< 50	< 50	14	< 10
GW-31D	911206	< 10	< 10	< 10	< 10	< 50	< 10	< 20	< 50	< 50	< 10	< 10
GW-35S	911210	< 11	< 11	< 11	< 11	< 55	< 11	< 22	< 55	< 55	< 11	< 11
GW-36	911210	< 10	< 10 R	< 10	< 10 R	< 50	11 R	< 20	< 50	< 50 R	< 10	< 10 R
GW-40D	911210	< 10	< 10	< 10	< 10	< 50	< 10	< 20	< 50	< 50	< 10	< 10
GW-42D	911210	< 11	< 10 R	< 11	< 10 R	< 55	16 R	< 20	< 55	< 50 R	< 11	< 11 R
GW-42D	911210	< 10	< 11 R	< 10	< 11 R	< 50	9 J	< 22	< 50	< 55 R	< 10	< 10 R
GW-50D	911210	< 10	< 10	< 10	< 10	< 50	< 10	< 20	< 50	< 50	< 10	< 10
GW-54S	911206	< 10	< 10	< 10	< 10	< 50	< 10	< 20	< 50	< 50	< 10	< 10
GW-55D	911210	< 10 R	< 10 R	< 10 R	< 10 R	< 50 R	< 10 R	< 20 R	< 50 R	< 50 R	< 10 R	< 10 R
SL-05	911210	< 12	< 12	< 12	< 12	< 60	< 12	< 24	< 60	< 60	< 12	< 12

concentration: ug/L

SUMMARY OF GROUNDWATER DATA PREVIOUS TO ROUND 1 - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	4CANIL	4CLPPE	4MP	4NANIL	4NP	ANAPNE	ANAPYL	ANTRC	BAANTR	BAPYR	BBFANT
1W-11	911217	< 10	< 10	< 10	< 50	< 50	< 10	< 10	< 10	< 10	< 10	< 10
GW-27D	911210	< 10	< 10	< 10	< 50	35 J	< 10	< 10	< 10	< 10	< 10	< 10
GW-31D	911206	< 10	< 10	< 10	< 50	< 50	< 10	< 10	< 10	< 10	< 10	< 10
GW-35S	911210	< 11	< 11	< 11	< 55	< 55	< 11	< 11	< 11	< 11	< 11	< 11
GW-36	911210	< 10	< 10	15 J	< 50	22 J	< 10	< 10	< 10	< 10	< 10	< 10
GW-40D	911210	< 10	< 10	< 10	< 50	< 50	< 10	< 10	< 10	< 10	< 10	< 10
GW-42D	911210	< 11	< 11	46 J	< 55	13 J	< 11	< 11	< 11	< 11	< 11	< 11
GW-42D	911210	< 10	< 10	42 J	< 50	13 J	< 10	< 10	< 10	< 10	< 10	< 10
GW-50D	911210	< 10	< 10	< 10	< 50	< 50	< 10	< 10	< 10	< 10	< 10	< 10
GW-54S	911206	1 J	< 10	< 10	< 50	7 J	< 10	< 10	< 10	< 10	< 10	< 10
GW-55D	911210	< 10 R	< 10 R	< 10 R	< 50 R	< 50 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R
SL-05	911210	< 12	< 12	< 12	< 60	< 60	< 12	< 12	< 12	< 12	< 12	< 12

concentration: ug/L

SUMMARY OF GROUNDWATER DATA PREVIOUS TO ROUND 1 - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	BGHIPY	BKFANT	BENZOA	BZALC	B2CEXM	B2CLEE	B2CIPE	B2EHP	BBZP	CHRY	DNBP
1W-11	911217	< 10	< 10	6 J	< 10	< 10	< 10	< 10	1300000	< 10	< 10	4 J
GW-27D	911210	< 10	< 10	4 J	7 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-31D	911206	< 10	< 10	< 50	< 10	< 10	< 10	< 10	5 J	< 10	< 10	< 10
GW-35S	911210	< 11	< 11	96	< 11	< 11	< 11	< 11	4 J	< 11	< 11	< 11
GW-36	911210	< 10	< 10	43 J	4 J	< 10	< 10	< 10	3 J	< 10	< 10	< 10
GW-40D	911210	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-42D	911210	< 11	< 11	54 J	2 J	< 11	< 11	< 10	< 10	< 10	< 11	< 11
GW-42D	911210	< 10	< 10	51 J	2 J	< 10	< 10	< 11	< 11	< 11	< 10	< 10
GW-50D	911210	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-54S	911206	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-55D	911210	< 10 R	< 10 R	< 50 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R
SL-05	911210	< 12	< 12	< 60	< 12	< 12	< 12	< 12	< 12	< 12	< 12	< 12

concentration: ug/L

SUMMARY OF GROUNDWATER DATA PREVIOUS TO ROUND 1 - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	DNOP	DBAHA	DBZFUR	DEP	DMP	FANT	FLRENE	CL6BZ	HCBD	CL6CP	CL6ET
IW-11	911217	180	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-27D	911210	< 10	< 10	< 10	31	4 J	< 10	< 10	< 10	< 10	< 10	< 10
GW-31D	911206	< 10	< 10	< 10	7 U	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-35S	911210	< 11	< 11	< 11	2 U	< 11	< 11	< 11	< 11	< 11	< 11	< 11
GW-36	911210	< 10	< 10	< 10	2 U	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-40D	911210	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-42D	911210	< 11	< 10	< 10	5 U	< 10	< 10	< 11	< 11	< 11	< 10	< 10
GW-42D	911210	< 10	< 11	< 11	< 11	< 11	< 11	< 10	< 10	< 10	< 11	< 11
GW-50D	911210	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-54S	911206	< 10	< 10	< 10	8 U	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-55D	911210	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R
SL-05	911210	< 12	< 12	< 12	< 12	< 12	< 12	< 12	< 12	< 12	< 12	< 12

concentration: ug/L

SUMMARY OF GROUNDWATER DATA PREVIOUS TO ROUND 1 - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	ICDPYR	ISOPHR	NNDNPA	NNDPA	NAP	NB	PCP	PHANTR	PHENOL	PYR
IW-11	911217	< 10	< 10	< 10	34000	< 10	< 10	< 50	6 J	< 10	< 10
GW-27D	911210	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	18	< 10
GW-31D	911206	< 10	< 10	< 10	6 J	< 10	< 10	< 50	< 10	< 10	< 10
GW-35S	911210	< 11	< 11	< 11	44	4 J	< 11	< 55	< 11	< 11	< 11
GW-36	911210	< 10	< 10	< 10	< 10	< 10	< 10	< 50 R	< 10	240 J	< 10
GW-40D	911210	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	9 J	< 10
GW-42D	911210	< 11	< 10	< 10	< 11	< 11	< 10	< 55 R	< 10	350 J	< 10
GW-42D	911210	< 10	< 11	< 11	< 10	< 10	< 11	< 50 R	< 11	390 J	< 11
GW-50D	911210	< 10	< 10	< 10	< 10	1 J	< 10	< 50	< 10	< 10	< 10
GW-54S	911206	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10
GW-55D	911210	< 10 R	< 10 R	< 10 R	< 10 R	2 J	< 10 R	< 50 R	< 10 R	38 J	< 10 R
SL-05	911210	< 12	< 12	< 12	< 12	< 12	< 12	< 60	< 12	< 12	< 12

concentration: ug/L

TAB 22

SUMMARY OF ROUND 1&2 GROUNDWATER DATA

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	111TCE	2TCLEA	112TCE	11DCLE	11DCE	12DCLE	12DCE	12DCLP	244TM1P	244TM2P	MEK
B-03	920812	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	5	< 10	< 15
B-03	921110	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
BR-01	921119	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-03D	921105	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-03S	921105	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-04	920805	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-04	921105	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-04D	920805	2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-04D	921105	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-06D	920804	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-06D	921103	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-06S	920804	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-06S	921103	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-10D	920810	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	6
GW-10D	921109	< 5	< 5	< 5	< 5	< 5	4 J	< 5	< 5	2 J	< 10	< 15
GW-10S	920810	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	51	14	< 15
GW-10S	921112	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	9 J	< 10	< 15
GW-11	921109	< 5	< 5	< 5	3 J	< 5	< 5	< 5	< 5	120	36	< 15
GW-12	920810	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-12	921111	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-17D	920805	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	1
GW-17D	921103	1 J	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-17S	921103	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-18D	920806	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-18D	921109	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-19D	920804	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	2	8
GW-19D	921109	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-19D	921109	< 300	< 300	< 300	< 300	< 300	< 300	< 300	< 300	< 500	< 500	< 800
GW-21D	921106	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-21S	921106	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-22D	920812	< 5	< 5	< 5	< 5	< 5	12	< 5	< 5	< 10	< 10	21

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	111TCE	2TCLEA	112TCE	11DCLE	11DCE	12DCLE	12DCE	12DCLP	244TM1P	244TM2P	MEK
GW-22D	921105	< 5	< 5	< 5	< 5	< 5	9	< 5	< 5	< 10	< 10	12 J
GW-22S	920812	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-22S	921105	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	2 J	< 10	< 15
GW-25	920810	6	< 5	< 5	7	2	2	< 5	< 5	130	66	< 15
GW-25	921116	2 J	< 5	< 5	4 J	< 5	< 5	< 5	< 5	57	28	< 15
GW-26	920810	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	16	16	< 15
GW-26	921113	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	14	13	< 15
GW-27D	920812	18	< 5	< 5	4	3	3	< 5	< 5	< 10	< 10	1
GW-27D	921109	10	< 5	< 5	4 J	2 J	3 J	< 5	< 5	< 10	< 10	< 15
GW-27S	920812	22	< 5	< 5	5	4	2	< 5	< 5	32	11	< 15
GW-27S	921109	19	< 5	< 5	6	3 J	< 5	< 5	< 5	35	16	< 15
GW-28D	920810	< 5	1	< 5	< 5	< 5	< 5	< 5	< 5	71	35	< 15
GW-28D	921106	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	10	< 10	< 15
GW-28S	920810	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	67	36	< 15
GW-28S	921106	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	2 J	< 10	< 15
GW-29D	920810	< 5	< 5	< 5	< 5	< 5	< 5	1	< 5	19	15	< 15
GW-29D	921106	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	3 J	< 10	< 15
GW-29S	920810	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	3
GW-29S	921106	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-30DR	920804	5	< 5	< 5	< 5	< 5	15	< 5	< 5	< 10	< 10	15
GW-30DR	921109	4 J	< 5	< 5	< 5	< 5	15	< 5	< 5	< 10	< 10	< 15
GW-31D	920803	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	6	4	< 15
GW-31D	921102	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	12	6 J	< 15
GW-31S	920803	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	3	1	< 15
GW-31S	921102	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	6 J	3 J	< 15
GW-32D	920803	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	8	7	< 15
GW-32D	921102	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	7 J	4 J	< 15
GW-32S	920803	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-32S	921102	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-33D	920803	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	10	6	< 15
GW-33D	921103	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	11	7 J	< 15

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	111TCE	2TCLEA	112TCE	11DCLE	11DCE	12DCLE	12DCE	12DCLP	244TM1P	244TM2P	MEK
GW-33S	920803	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-33S	921103	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-34D	920804	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	16	5	< 15
GW-34D	921105	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	38	13	< 15
GW-34S	920804	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	1900	720	< 15
GW-34S	921105	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	930	380	< 15
GW-35D	920804	< 5	< 5	< 5	< 5	< 5	5	< 5	< 5	7	2	< 15
GW-35D	921105	< 5	< 5	< 5	< 5	< 5	8	< 5	< 5	< 10	< 10	5 J
GW-35S	920804	4	< 5	< 5	2	< 5	< 5	< 5	< 5	81	50	< 15
GW-35S	921105	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	110	60	< 15
GW-36	920811	< 5	< 5	< 5	< 5	< 5	4	< 5	< 5	< 10	< 10	< 15
GW-36	921116	< 5	< 5	< 5	< 5	< 5	16	< 5	< 5	< 10	< 10	< 15
GW-37	920811	19	< 5	< 5	5	2	6	< 5	< 5	< 10	< 10	< 15
GW-37	921116	< 5	< 5	< 5	< 5	< 5	20	< 5	< 5	< 10	< 10	< 15
GW-38	920804	6	< 5	< 5	5	1	1	< 5	< 5	130	38	< 15
GW-38	921109	8	< 5	< 5	5	< 5	6	< 5	< 5	49	13	< 15
GW-39	920806	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-39	921111	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-40D	920811	< 5	< 5	< 5	< 5	< 5	< 5 UJ	< 5 UJ	< 5	< 10	< 10	< 15
GW-40D	920811	< 5	< 5	< 5	< 5	< 5	18 J	24 J	< 5	< 10	< 10	< 15
GW-40D	921111	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-40S	920811	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-40S	921111	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-42D	920805	< 5	< 5	< 5	< 5	< 5	2	< 5	< 5	< 10	< 10	< 15 UJ
GW-42D	920805	< 5	< 5	< 5	< 5	< 5	2	< 5	< 5	< 10	< 10	64 J
GW-42D	921111	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	52
GW-42D	921111	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	46
GW-42S	920805	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-42S	921111	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-43D	920805	< 5	< 5	< 5	< 5	< 5	2	1	< 5	< 10	< 10	< 15
GW-43D	920805	< 5	< 5	< 5	< 5	< 5	2	1	< 5	< 10	< 10	< 15

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	111TCE	2TCLEA	112TCE	11DCLE	11DCE	12DCLE	12DCE	12DCLP	244TM1P	244TM2P	MEK
GW-43D	921111	< 5	< 5	< 5	< 5	< 5	25	< 5	< 5	5 J	3 J	3 J
GW-43D	921111	1 J	< 5	< 5	< 5	< 5	27	< 5	< 5	6 J	4 J	6 J
GW-43S	920805	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-43S	921111	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	4 J	1 J	< 15
GW-44D	920812	9	< 5	< 5	3	< 5	< 5	2	< 5	< 10	< 10	5
GW-44D	921110	< 5	< 5	< 5	< 5	< 5	3 J	< 5	< 5	< 10	< 10	27
GW-44S	920812	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-44S	921110	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-45D	920810	< 5	< 5	< 5	< 5	< 5	< 5	1	< 5	< 10	< 10	< 15
GW-45D	921112	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 100	< 100	< 200
GW-45S	920810	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-45S	921112	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-46D	920811	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-46D	921117	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-47	920813	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-47	921118	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-48D	920812	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-48D	921117	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-48S	920812	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-48S	921117	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-49D	920812	< 5	< 5	< 5	< 5	< 5	< 5	39	< 5	< 10	< 10	2
GW-49D	921116	< 5	< 5	< 5	20	< 5	< 5	74	< 5	< 10	< 10	1200 J
GW-50D	920805	3	< 5	< 5	2	< 5	7	< 5	< 5	< 10 UJ	1 J	< 15
GW-50D	920805	3	< 5	< 5	2	< 5	7	< 5	< 5	3 J	< 10 UJ	< 15
GW-50D	921104	< 5	< 5	< 5	< 5	< 5	4 J	< 5	< 5	< 10	< 10	< 15
GW-50D	921104	< 5	< 5	< 5	< 5	< 5	4 J	< 5	< 5	< 10	< 10	< 15
GW-50S	920806	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-50S	921104	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-51D	920805	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-51D	921103	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-51S	920805	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	111TCE	2TCLEA	112TCE	11DCLE	11DCE	12DCLE	12DCE	12DCLP	244TM1P	244TM2P	MEK
GW-51S	921103	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-52D	920804	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	8	3	< 15
GW-52D	921103	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	7 J	2 J	< 15
GW-52S	920804	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-52S	921103	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-53D	920804	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	240	140	< 15
GW-53D	921103	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	58	19	< 15
GW-53S	920804	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	5 J	< 10	< 15
GW-53S	921103	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	5 J	< 10	< 15
GW-54D	920803	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	330	130	< 15
GW-54D	921103	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	420	110	< 15
GW-54S	920803	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	56	23	< 15
GW-54S	921103	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	96	35	< 15
GW-55D	920805	1	< 5	< 5	< 5	< 5	5	< 5	< 5	< 10	1	< 15
GW-55D	921102	< 5	< 5	< 5	< 5	< 5	2 J	< 5	< 5	< 10	< 10	< 15
GW-55S	920805	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-55S	921102	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-56D	920806	< 5	< 5	< 5	< 5	< 5	2	< 5	< 5	< 10	< 10	3
GW-56D	921102	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-56S	920806	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-56S	921102	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-57D	920806	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-57D	921117	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	4 J	< 10	< 15
GW-58D	920811	2	< 5	< 5	< 5	< 5	< 5	10	< 5	< 10	< 10	< 15
GW-58D	921112	< 5	< 5	< 5	< 5	< 5	5	93	< 5	< 10	< 10	< 15
GW-58S	920811	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-58S	921112	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-59D	920806	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	10
GW-59D	920806	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	7
GW-59D	921110	< 5	< 5	< 5	< 5	< 5	3 J	< 5	< 5	< 10	< 10	11 J
GW-59D	921110	< 5	< 5	< 5	< 5	< 5	5	< 5	< 5	3 J	< 10	2 J

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	111TCE	2TCLEA	112TCE	11DCLE	11DCE	12DCLE	12DCE	12DCLP	244TM1P	244TM2P	MEK
GW-59S	920806	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-59S	921110	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-60D	920811	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	2
GW-60D	921117	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-60S	920811	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-60S	921117	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-61BR	921218	< 5	< 5	< 5	< 5	< 5	< 5	2 J	< 5	< 10	< 10	< 15
GW-61D	920812	4	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-61D	921113	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-61S	920812	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-61S	921113	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-62BR	920813	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-62BR	921119	< 5	< 5	< 5	< 5	< 5	1 J	2 J	< 5	< 10	2 J	< 15
GW-62BRD	930107	< 5	< 5	< 5	< 5	< 5	4 J	2 J	< 5	< 10	< 10	< 15
GW-62D	920811	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-62D	921116	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-62M	920811	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-62M	921116	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-62S	920811	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-62S	921116	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-63D	920812	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-63D	921118	< 5	< 5	< 5	< 5	< 5	< 5	2 J	< 5	< 10	< 10	< 15
GW-63S	920812	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-63S	921118	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-64D	920812	< 5	< 5	< 5	< 5	< 5	< 5	9	< 5	< 10	< 10	2 J
GW-64D	920812	< 5	< 5	< 5	< 5	< 5	< 5	12	< 5	< 10	< 10	< 15 UJ
GW-64D	921118	< 5	< 5	< 5	< 5	< 5	< 5	70	< 5	< 10	< 10	< 15
GW-64S	920812	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-64S	921118	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-65D	920813	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	4
GW-65D	921118	< 5	< 5	< 5	< 5	< 5	< 5	5	< 5	< 10	< 10	< 15

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	111TCE	2TCLEA	112TCE	11DCLE	11DCE	12DCLE	12DCE	12DCLP	244TM1P	244TM2P	MEK
GW-65S	920813	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-65S	921118	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-65S	921118	< 5	< 5	< 5	< 5	< 5	< 5	4 J	< 5	< 10	< 10	< 15
GW-66D	920811	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-66D	921112	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-66S	920811	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-66S	921112	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-67D	921113	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-67S	921113	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-68BR	921217	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-68D	920806	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-68D	921111	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	23	6 J	< 15
GW-69D	920806	1	< 5	< 5	< 5	< 5	4	< 5	< 5	< 10	< 10	< 15
GW-69D	921116	< 30	< 30	< 30	< 30	< 30	27	< 30	< 30	< 50	< 50	< 80
GW-69S	920806	1	< 5	< 5	< 5	< 5	5	< 5	< 5	< 10	< 10	< 15
GW-69S	921116	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-70D	920810	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-70D	921112	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-70S	920810	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-70S	921112	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-71D	921217	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-71S	921217	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-72D	921117	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-73D	930420	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-73S	930420	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-74D	930420	< 5	< 5	< 5	8	< 5	< 5	9	< 5	< 10	< 10	< 15
GW-74S	930420	< 5	< 5	< 5	< 5	< 5	< 5	6	< 5	< 10	< 10	< 15
GW-75D	930507	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
GW-75S	930507	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
IW-04	920812	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	1800	540	< 15
IW-04	921110	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	540	160	< 15

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	111TCE	2TCLEA	112TCE	11DCLE	11DCE	12DCLE	12DCE	12DCLP	244TM1P	244TM2P	MEK
IW-11	920812	< 30 UJ	< 30 UJ	< 30 UJ	< 30 UJ	< 30 UJ	< 30 UJ	< 30 UJ	< 30 UJ	87 J	33 J	< 80 UJ
IW-11	921110	< 3000	< 3000	< 3000	< 3000	< 3000	< 3000	< 3000	< 3000	41000	12000	< 8000
SL-01D	920810	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
SL-01D	921109	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
SL-01S	920810	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
SL-06	920806	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
SL-06	921109	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	MNBK	MIBK	ACET	C6H6	BRDCLM	CHBR3	CH3BR	CS2	CCL4	CLC6H5	C2H5CL
B-03	920812	< 15	< 15	28	< 5	< 5	< 5	< 10	< 10	< 5	< 5 U	< 10
B-03	921110	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
BR-01	921119	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-03D	921105	< 15	< 15	6 J	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-03S	921105	< 15	< 15	9 J	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-04	920805	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-04	921105	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-04D	920805	< 15	< 15	< 20 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5 U	< 10
GW-04D	921105	< 15	< 15	120	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-06D	920804	< 15	< 15	< 27 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-06D	921103	< 15	< 15	13000	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-06S	920804	< 15	< 15	< 30 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-06S	921103	< 15	< 15	7 J	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-10D	920810	< 15	< 15	200	< 5	< 5	< 5	< 10	< 10	4	< 5 U	< 10
GW-10D	921109	< 15	< 15	< 15	< 5	3 J	11	< 10	31	11	< 5	< 10
GW-10S	920810	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-10S	921112	< 15	< 15	28	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-11	921109	< 15	< 15	< 15	< 5	< 5	2 J	< 10	< 10	< 5	< 5	< 10
GW-12	920810	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-12	921111	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-17D	920805	< 15	< 15	< 44 U	< 5	< 5	1	< 10	< 10	< 5	< 5	< 10
GW-17D	921103	< 15	< 15	< 15 U	< 5	< 5	< 5 U	< 10	< 10	< 5	< 5	< 10
GW-17S	921103	< 15	< 15	< 27 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-18D	920806	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5 U	< 10
GW-18D	921109	< 15	< 15	24	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-19D	920804	< 15	< 15	110	< 5	< 5	< 5	< 10	9	< 5	< 5	< 10
GW-19D	921109	< 15	< 15	4000	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-19D	921109	< 800	< 800	3400	< 300	< 300	< 300	< 500	< 500	< 300	< 300	< 500
GW-21D	921106	< 15	< 15	750	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-21S	921106	< 15	< 15	370	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-22D	920812	< 15		140	1	25	65	< 10	13	5	< 5	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	MNBK	MIBK	ACET	C6H6	BRDCLM	CHBR3	CH3BR	CS2	CCL4	CLC6H5	C2H5CL
GW-22D	921105	< 15	< 15	170	2 J	26	48	< 10	20	9	< 5	< 10
GW-22S	920812	< 15	26	64	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-22S	921105	< 15	< 15	230	< 5 UJ	< 5	< 5	< 10	< 10	< 5	< 5 UJ	< 10
GW-25	920810	< 15	< 15	< 15 U	< 5	1	7	< 10	< 10	< 5	< 5	< 10
GW-25	921116	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-26	920810	< 15	< 15	< 15	1	< 5	< 5	< 10	< 10	< 5	1	< 10
GW-26	921113	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-27D	920812	< 15	< 15	570 J	< 5	4	34	< 10	< 10	< 5	< 5 U	< 10
GW-27D	921109	< 15	< 15	< 15	< 5	3 J	30	< 10	< 10	< 5	< 5	< 10
GW-27S	920812	< 15	< 15	330	< 5	3	20	< 10	< 10	< 5	1	< 10
GW-27S	921109	< 15	< 15	200	< 5	< 5	22	< 10	< 10	< 5	< 5	< 10
GW-28D	920810	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	2	< 10
GW-28D	921106	< 15	< 15	750	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-28S	920810	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	2	< 10
GW-28S	921106	< 15	< 15	630	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-29D	920810	< 15	< 15	33	4	< 5	< 5	< 10	< 10	< 5	< 5 U	< 10
GW-29D	921106	< 15	< 15	420	< 5 UJ	< 5	< 5	< 10	< 10	< 5	< 5 UJ	< 10
GW-29S	920810	< 15	< 15	15	< 5	< 5	< 5	< 10	< 10	< 5	< 6 U	< 10
GW-29S	921106	< 15	< 15	2000	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-30DR	920804	< 15	< 15	230	1	46	610	< 10	7	< 5	9	< 10
GW-30DR	921109	< 15	< 15	220	< 5	43	750	< 10	10	< 5	< 5	< 10
GW-31D	920803	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-31D	921102	< 15	< 15	< 19 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-31S	920803	< 15	< 15	29	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-31S	921102	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-32D	920803	< 15	< 15	31	10	< 5	< 5	< 10	< 10	< 5	< 5 U	< 10
GW-32D	921102	< 15	< 15	76 B	5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-32S	920803	< 15	< 15	21	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-32S	921102	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-33D	920803	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5 U	< 10
GW-33D	921103	< 15	< 15	330	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	MNBK	MIBK	ACET	C6H6	BRDCLM	CHBR3	CH3BR	CS2	CCL4	CLC6H5	C2H5CL
GW-33S	920803	< 15	< 15	< 22 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-33S	921103	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-34D	920804	< 15	< 15	< 29 U	< 5	< 5	7	< 10	2	7	< 5	< 10
GW-34D	921105	< 15	< 15	480	< 5	< 5	7	< 10	3 J	8	< 5	< 10
GW-34S	920804	< 15	< 15	< 19 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5 U	< 10
GW-34S	921105	< 15	< 15	10 J	< 5	< 5	2 J	< 10	< 10	< 5	< 5	< 10
GW-35D	920804	< 15	< 15	< 15	< 5	6	44	< 10	4	11	< 5	< 10
GW-35D	921105	< 15	< 15	58	< 5	24	160	< 10	9 J	16	< 5	< 10
GW-35S	920804	< 15	< 15	< 47 U	< 5	< 5	< 5	< 10	8	< 5	< 5 U	< 10
GW-35S	921105	< 15	< 15	< 15	< 5 UJ	< 5	< 5	< 10	9 J	< 5	< 5 UJ	< 10
GW-36	920811	< 15	< 15	< 26 U	< 5	6	79	< 10	< 10	2	< 5	< 10
GW-36	921116	< 15	< 15	920	< 5	12	170	< 10	24	< 5	< 5	< 10
GW-37	920811	< 15	< 15	200	< 5	10	190	< 10	4	< 5	< 5	< 10
GW-37	921116	< 15	< 15	280	< 5	30	400	< 10	24	< 5	< 5	< 10
GW-38	920804	< 15	< 15	< 17 U	< 5	< 5	18	< 10	< 10	< 5	< 5	< 10
GW-38	921109	< 15	< 15	40	< 5	8	100	< 10	6 J	< 5	< 5	< 10
GW-39	920806	< 15	< 15	13	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-39	921111	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-40D	920811	< 15	< 15	< 15	< 5	< 5	2 J	< 10	< 10	< 5	< 5 UJ	< 10
GW-40D	920811	< 15	< 15	16	< 5	< 5	< 5 UJ	< 10	< 10	< 5	< 5 UJ	< 10
GW-40D	921111	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-40S	920811	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-40S	921111	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-42D	920805	< 15	< 15	630	< 5	< 5	4	< 10	4	< 5	< 5	< 10
GW-42D	920805	< 15	< 15	860	< 5	< 5	5	< 10	5	< 5	< 5 U	< 10
GW-42D	921111	< 15	4 J	< 300 U	< 5	< 5	21	< 10	12	< 5	< 5	< 10
GW-42D	921111	< 15	3 J	260 B	< 5 UJ	1 J	18	< 10	18	< 5	< 5 UJ	< 10
GW-42S	920805	< 15	< 15	< 46 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-42S	921111	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-43D	920805	< 15	< 15	< 15 U	< 5	4	2	< 10	< 10	< 5	< 5	< 10
GW-43D	920805	< 15	< 15	< 15 U	< 5	4	2	< 10	< 10	< 5	< 5	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	MNBK	MIBK	ACET	C6H6	BRDCLM	CHBR3	CH3BR	CS2	CCL4	CLC6H5	C2H5CL
GW-43D	921111	< 15	< 15	< 40 U	3 J	2 J	39	< 10	3 J	< 5	< 5	< 10
GW-43D	921111	< 15	3 J	60 B	3 J	2 J	51	< 10	3 J	< 5	< 5	< 10
GW-43S	920805	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-43S	921111	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-44D	920812	< 15	< 15	120	< 5	1	2	< 10	4	< 5	< 5	< 10
GW-44D	921110	< 15	3 J	240 B	2 J	2 J	14	< 10	15	< 5	< 5 UJ	< 10
GW-44S	920812	< 15	< 15	1800	< 5	< 5	< 5	< 10	< 10	< 5	4	< 10
GW-44S	921110	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-45D	920810	< 15	< 15	29	< 5	< 5	1	< 10	< 10	< 5	< 5 U	< 10
GW-45D	921112	< 200	< 200	700	< 50	< 50	8 J	< 100	< 100	< 50	< 50	< 100
GW-45S	920810	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-45S	921112	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-46D	920811	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-46D	921117	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-47	920813	< 15	< 15	7	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-47	921118	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-48D	920812	< 15	< 15	12	< 5	< 5	< 5	< 10	< 10	< 5	1	< 10
GW-48D	921117	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-48S	920812	< 15	< 15	8	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-48S	921117	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-49D	920812	37	190	150	71	< 5	< 5	< 10	< 10	< 5	< 10 U	19
GW-49D	921116	< 15	1400	1400	120	< 5	< 5	< 10	< 10	< 5	53	49
GW-50D	920805	< 15	< 15	< 15	2	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-50D	920805	< 15	< 15	< 15 U	2	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-50D	921104	< 15	< 15	10 J	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-50D	921104	< 15	< 15	53	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-50S	920806	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	20	< 10
GW-50S	921104	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-51D	920805	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-51D	921103	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-51S	920805	< 15	< 15	< 25 U	< 5	< 5	1	< 10	< 10	< 5	< 5	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	MNBK	MIBK	ACET	C6H6	BRDCLM	CHBR3	CH3BR	CS2	CCL4	CLC6H5	C2H5CL
GW-51S	921103	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-52D	920804	< 15	< 15	67	< 5	< 5	< 5	< 10	< 10	< 5	9	< 10
GW-52D	921103	< 15	< 15	70 B	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-52S	920804	< 15	< 15	< 36 U	< 5	< 5	< 5	< 10	< 10	< 5	7	< 10
GW-52S	921103	< 15	< 15	< 27 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-53D	920804	< 15	< 15	< 37 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-53D	921103	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-53S	920804	< 15	< 15	67	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-53S	921103	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-54D	920803	< 15	< 15	< 22 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5 U	< 10
GW-54D	921103	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-54S	920803	< 15	< 15	11	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-54S	921103	< 15	< 15	24	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-55D	920805	< 15	< 15	400 J	< 5	< 5	< 5	< 10	15	< 5	< 5	< 10
GW-55D	921102	< 15	< 15	180 B	< 5	< 5	< 5	< 10	6 J	< 5	< 5	< 10
GW-55S	920805	< 15	< 15	< 16 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-55S	921102	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-56D	920806	< 15	< 15	< 35 U	< 5	6	110	< 10	1	< 5	20	< 10
GW-56D	921102	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-56S	920806	< 15	< 15	< 20 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5 U	< 10
GW-56S	921102	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-57D	920806	< 15	< 15	< 44 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-57D	921117	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-58D	920811	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-58D	921112	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-58S	920811	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5 U	< 10
GW-58S	921112	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-59D	920806	< 15	< 15	72	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-59D	920806	< 15	< 15	69	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-59D	921110	< 15	3 J	370 B	3 J	< 5	4 J	< 10	14	< 5	1 J	< 10
GW-59D	921110	< 15	< 15	63 B	4 J	1 J	11	< 10	19	2 J	1 J	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	MNBK	MIBK	ACET	C6H6	BRDCLM	CHBR3	CH3BR	CS2	CCL4	CLC6H5	C2H5CL
GW-59S	920806	< 15	< 15	8	< 5	< 5	< 5	< 10	< 10	< 5	< 5 U	< 10
GW-59S	921110	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-60D	920811	< 15	< 15	< 26 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-60D	921117	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-60S	920811	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-60S	921117	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-61BR	921218	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-61D	920812	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-61D	921113	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-61S	920812	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-61S	921113	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-62BR	920813	< 15	< 15	24	< 5	< 5	< 5	< 10	< 10	< 5	1	< 10
GW-62BR	921119	< 15	< 15	< 15 U	2 J	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-62BRD	930107	< 15	< 15	< 15	2 J	< 5	< 5	< 10	1 J	< 5	< 5	< 10
GW-62D	920811	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-62D	921116	< 15	3 J	< 15 U	1 J	< 5	< 5	< 10	< 10	< 5	1 J	< 10
GW-62M	920811	< 15	< 15	8	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-62M	921116	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-62S	920811	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-62S	921116	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-63D	920812	< 15	< 15	5	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-63D	921118	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-63S	920812	< 15	< 15	36	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-63S	921118	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-64D	920812	< 15	< 15	< 15	< 5	< 5	< 5	< 10	1 J	< 5	< 5	< 10
GW-64D	920812	< 15	< 15	14	< 5	< 5	< 5	< 10	< 10 UJ	< 5	< 5	< 10
GW-64D	921118	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-64S	920812	< 15	< 15	15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-64S	921118	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-65D	920813	< 15	< 15	110	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-65D	921118	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	MNBK	MIBK	ACET	C6H6	BRDCLM	CHBR3	CH3BR	CS2	CCL4	CLC6H5	C2H5CL
GW-65S	920813	< 15	< 15	33	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-65S	921118	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-65S	921118	< 15	< 15	12 J	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-66D	920811	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-66D	921112	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-66S	920811	< 15	< 15	< 40 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5 U	< 10
GW-66S	921112	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-67D	921113	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-67S	921113	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-68BR	921217	< 15	< 15	1 J	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-68D	920806	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-68D	921111	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-69D	920806	< 15	< 15	< 49 U	1	2	8	< 10	3	< 5	< 5 U	< 10
GW-69D	921116	< 80	< 80	290	< 30	8 J	65	< 50	36 J	5 J	< 30	< 50
GW-69S	920806	< 15	< 15	< 66 U	1	2	9	< 10	3	< 5	< 5 U	< 10
GW-69S	921116	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-70D	920810	< 15	< 15	31	4	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-70D	921112	< 15	< 15	25	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-70S	920810	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-70S	921112	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-71D	921217	< 15	< 15	3 J	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-71S	921217	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-72D	921117	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-73D	930420	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-73S	930420	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-74D	930420	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-74S	930420	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-75D	930507	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
GW-75S	930507	< 15	< 15	10 J	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
IW-04	920812	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
IW-04	921110	< 15	< 15	< 27 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	MNBK	MIBK	ACET	C6H6	BRDCLM	CHBR3	CH3BR	CS2	CCL4	CLC6H5	C2H5CL
IW-11	920812	< 80 UJ	< 80 UJ	660 J	< 30 UJ	< 30 UJ	< 30 UJ	< 50 UJ	< 50 UJ	< 30 UJ	< 30 UJ	< 50 UJ
IW-11	921110	< 8000	< 8000	< 8000 U	< 3000	< 3000	< 3000	< 5000	< 5000	< 3000	< 3000	< 5000
SL-01D	920810	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
SL-01D	921109	< 15	< 15	69	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
SL-01S	920810	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
SL-06	920806	< 15	< 15	8	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
SL-06	921109	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	CCL3	CH3CL	C13DCP	DBRCLM	ETC6H5	C2CL2	STYR	TCLEE	MEC6H5	T13DCP	TRCLE
B-03	920812	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
B-03	921110	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
BR-01	921119	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-03D	921105	< 5	< 10	< 5	< 5	< 5	2 J	< 5	< 5	< 5	< 5	< 5
GW-03S	921105	< 5	< 10	< 5	< 5	< 5	2 J	< 5	< 5	< 5	< 5	< 5
GW-04	920805	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	6
GW-04	921105	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	8
GW-04D	920805	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-04D	921105	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-06D	920804	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-06D	921103	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	1 J	< 5	< 5	< 5
GW-06S	920804	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-06S	921103	< 5	< 10	< 5	< 5	< 5	2 J	< 5	< 5	< 5	< 5	< 5
GW-10D	920810	2	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-10D	921109	13	< 10	< 5	3 J	6	< 10	< 5	< 5	70	< 5	2 J
GW-10S	920810	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-10S	921112	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-11	921109	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-12	920810	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-12	921111	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-17D	920805	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-17D	921103	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	1 J	< 5	< 5	< 5
GW-17S	921103	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-18D	920806	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-18D	921109	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-19D	920804	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	3	< 5	< 5
GW-19D	921109	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-19D	921109	< 300	< 500	< 300	< 300	< 300	< 500	< 300	< 300	< 300	< 300	< 300
GW-21D	921106	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-21S	921106	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-22D	920812	46	7	< 5	22	< 5	< 10 U	< 5	< 5	16	< 5	3

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	CCL3	CH3CL	C13DCP	DBRCLM	ETC6H5	C2CL2	STYR	TCLEE	MEC6H5	T13DCP	TRCLE
GW-22D	921105	44	6 J	< 5	21	< 5	10	< 5	< 5	23	< 5	4 J
GW-22S	920812	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-22S	921105	< 5	< 10	< 5	< 5	< 5 UJ	< 10	< 5 UJ	< 5	< 5 UJ	< 5	< 5
GW-25	920810	3	< 10	< 5	2	< 5	< 10 U	< 5	< 5	1	< 5	< 5
GW-25	921116	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-26	920810	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-26	921113	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-27D	920812	2	< 10	< 5	9	< 5	< 10 U	< 5	< 5	2	< 5	< 5
GW-27D	921109	2 J	< 10	< 5	8	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-27S	920812	2	< 10	< 5	6	< 5	< 10 U	< 5	1	< 5	< 5	< 5
GW-27S	921109	< 5	< 10	< 5	7	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-28D	920810	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-28D	921106	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-28S	920810	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-28S	921106	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-29D	920810	< 5	< 10	< 5	< 5	3	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-29D	921106	< 5	< 10	< 5	< 5	< 5 UJ	< 10	< 5 UJ	< 5	< 5 UJ	< 5	< 5
GW-29S	920810	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-29S	921106	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-30DR	920804	18	1	< 5	250	< 5	< 10 U	< 5	< 5	19	< 5	1
GW-30DR	921109	32	< 10	< 5	170	< 5	8 J	< 5	< 5	27	< 5	< 5
GW-31D	920803	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-31D	921102	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5 U	< 5	< 5	< 5
GW-31S	920803	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-31S	921102	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5 U	< 5	< 5	< 5
GW-32D	920803	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-32D	921102	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-32S	920803	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-32S	921102	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-33D	920803	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-33D	921103	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	CCL3	CH3CL	C13DCP	DBRCLM	ETC6H5	C2CL2	STYR	TCLEE	MEC6H5	T13DCP	TRCLE
GW-33S	920803	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-33S	921103	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-34D	920804	4	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	1	< 5	< 5
GW-34D	921105	5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-34S	920804	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-34S	921105	< 5	< 10	< 5	< 5	< 5	2 J	< 5	< 5	< 5	< 5	< 5
GW-35D	920804	16	< 10	< 5	7	< 5	< 10 U	< 5	< 5	4	< 5	1
GW-35D	921105	23	2 J	< 5	30	< 5	3 J	< 5	< 5	8	< 5	3 J
GW-35S	920804	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	10	< 5	< 5
GW-35S	921105	< 5	< 10	< 5	< 5	< 5 UJ	< 10	< 5 UJ	< 5	< 5 UJ	< 5	< 5
GW-36	920811	9	< 10	< 5	19	< 5	< 10 U	< 5	< 5	7	< 5	1
GW-36	921116	94	6 J	< 5	39	2 J	13	< 5	< 5	57	< 5	4 J
GW-37	920811	6	2	< 5	45	< 5	< 10 U	< 5	< 5	7	< 5	1
GW-37	921116	75	< 10	< 5	140	< 5	12	< 5	< 5	60	< 5	4 J
GW-38	920804	1	< 10	< 5	5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-38	921109	13	< 10	< 5	28	< 5	< 10	< 5	< 5	12	< 5	< 5
GW-39	920806	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-39	921111	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	1 J	< 5	< 5
GW-40D	920811	< 5	< 10	< 5	< 5	< 5	< 10 UJ	< 5	< 5	< 5	< 5	< 5
GW-40D	920811	< 5	< 10	< 5	< 5	< 5	< 10 UJ	< 5	< 5	3	< 5	< 5
GW-40D	921111	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	2 J	< 5	< 5
GW-40S	920811	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-40S	921111	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-42D	920805	7	< 10	< 5	< 5 UJ	< 5	< 10 U	< 5	< 5	16	< 5	1
GW-42D	920805	9	< 10	< 5	1 J	< 5	< 10 U	< 5	< 5	15	< 5	1
GW-42D	921111	44	4 J	< 5	3 J	< 5	< 10 U	< 5	< 5	37	< 5	3 J
GW-42D	921111	52	6 J	< 5	3 J	1 J	< 10 U	< 5 UJ	< 5	49 J	< 5	4 J
GW-42S	920805	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-42S	921111	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-43D	920805	4	< 10	< 5	3	< 5	< 10 U	< 5	< 5	3	< 5	< 5
GW-43D	920805	4	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	2	< 5	< 5

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	CCL3	CH3CL	C13DCP	DBRCLM	ETC6H5	C2CL2	STYR	TCLEE	MEC6H5	T13DCP	TRCLE
GW-43D	921111	11	1 J	< 5	9	2 J	< 17 U	< 5	< 5	33	< 5	3 J
GW-43D	921111	10	1 J	< 5	11	2 J	< 12 U	< 5	< 5	35	< 5	3 J
GW-43S	920805	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-43S	921111	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-44D	920812	18	2	< 5	< 5	2	< 10 U	< 5	< 5	24	< 5	2
GW-44D	921110	79	7 J	< 5	3 J	4 J	< 10 U	< 5 UJ	< 5	84 J	< 5	7
GW-44S	920812	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-44S	921110	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-45D	920810	5	< 10	< 5	< 5	< 5	12	< 5	< 5	6	< 5	< 5
GW-45D	921112	54	< 100	< 50	< 50	< 50	< 100	< 50	< 50	81	< 50	< 50
GW-45S	920810	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-45S	921112	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-46D	920811	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-46D	921117	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-47	920813	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-47	921118	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-48D	920812	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-48D	921117	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	5 J
GW-48S	920812	1	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-48S	921117	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-49D	920812	< 5	< 10	< 5	< 5	120	< 10 U	< 5	< 5	3200	< 5	< 5
GW-49D	921116	< 5	< 10	< 5	< 5	250 J	< 10	< 5	< 5	12000	< 5	< 5
GW-50D	920805	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-50D	920805	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-50D	921104	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-50D	921104	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-50S	920806	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-50S	921104	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-51D	920805	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-51D	921103	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-51S	920805	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5

concentration units; ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	CCL3	CH3CL	C13DCP	DBRCLM	ETC6H5	C2CL2	STYR	TCLEE	MEC6H5	T13DCP	TRCLE
GW-51S	921103	< 5	< 10	< 5	< 5	< 5	< 10	< 5	1 J	< 5	< 5	< 5
GW-52D	920804	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-52D	921103	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-52S	920804	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-52S	921103	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-53D	920804	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-53D	921103	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-53S	920804	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-53S	921103	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-54D	920803	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-54D	921103	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-54S	920803	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-54S	921103	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-55D	920805	2	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	9	< 5	< 5
GW-55D	921102	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5 U	< 5 U	< 5	< 5
GW-55S	920805	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-55S	921102	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-56D	920806	3	< 10	< 5	27	< 5	< 10 U	< 5	< 5	3	< 5	< 5
GW-56D	921102	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-56S	920806	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-56S	921102	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5 U	< 5	< 5	< 5
GW-57D	920806	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-57D	921117	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-58D	920811	2	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	3	< 5	50
GW-58D	921112	4 J	< 10	< 5	< 5	< 5	6 J	< 5	4 J	8	< 5	460
GW-58S	920811	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-58S	921112	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-59D	920806	4	< 10	< 5	< 5	1 J	< 10 U	< 5	< 5	6	< 5	< 5
GW-59D	920806	4	< 10	< 5	< 5	< 5 UJ	< 10 U	< 5	< 5	6	< 5	< 5
GW-59D	921110	77	1 J	< 5	< 5	7 J	< 10 U	< 5 UJ	< 5	120 J	< 5	7
GW-59D	921110	80	< 10	< 5	2 J	13	< 10 U	< 5	< 5	110	< 5	8

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	CCL3	CH3CL	C13DCP	DBRCLM	ETC6H5	C2CL2	STYR	TCLEE	MEC6H5	T13DCP	TRCLE
GW-59S	920806	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-59S	921110	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-60D	920811	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-60D	921117	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	7	< 5	< 5
GW-60S	920811	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-60S	921117	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-61BR	921218	< 5	< 10	< 5	< 5	< 5	2 J	< 5	< 5	< 5	< 5	4 J
GW-61D	920812	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	1
GW-61D	921113	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	2 J
GW-61S	920812	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-61S	921113	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-62BR	920813	9	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	35
GW-62BR	921119	18	< 10	< 5	< 5	< 5	< 33 U	< 5	< 5	1 J	< 5	81
GW-62BRD	930107	< 5	< 10	< 5	< 5	2 J	< 10 U	< 5	< 5	2 J	< 5	17
GW-62D	920811	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-62D	921116	< 5	< 10	< 5	< 5	4 J	< 10 U	< 5	< 5	170	< 5	< 5
GW-62M	920811	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-62M	921116	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	3 J	< 5	< 5
GW-62S	920811	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-62S	921116	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-63D	920812	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-63D	921118	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-63S	920812	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-63S	921118	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-64D	920812	< 5	< 10	< 5	< 5	< 5	< 10 UJ	< 5	< 5	< 5	< 5	< 5
GW-64D	920812	< 5	< 10	< 5	< 5	< 5	< 10 UJ	< 5	< 5	< 5	< 5	< 5
GW-64D	921118	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-64S	920812	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-64S	921118	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-65D	920813	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-65D	921118	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	CCL3	CH3CL	C13DCP	DBRCLM	ETC6H5	C2CL2	STYR	TCLEE	MEC6H5	T13DCP	TRCLE
GW-65S	920813	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-65S	921118	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-65S	921118	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-66D	920811	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-66D	921112	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-66S	920811	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-66S	921112	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-67D	921113	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	7
GW-67S	921113	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-68BR	921217	< 5	< 10	< 5	< 5	< 5	3 J	< 5	< 5	< 5	< 5	< 5
GW-68D	920806	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-68D	921111	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-69D	920806	4	< 10	< 5	3	< 5	< 10 U	< 5	< 5	5	< 5	4
GW-69D	921116	26	< 50	< 30	17 J	< 30	< 50	< 30	< 30	76	< 30	16 J
GW-69S	920806	5	< 10	< 5	3	< 5	< 10 U	< 5	< 5	5	< 5	5
GW-69S	921116	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-70D	920810	7	1	< 5	< 5	< 5	< 10 U	< 5	< 5	8	< 5	1
GW-70D	921112	24	< 10	< 5	< 5	2 J	8 J	< 5	< 5	86	< 5	7
GW-70S	920810	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-70S	921112	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-71D	921217	< 5	< 10	< 5	< 5	< 5	3 J	< 5	< 5	< 5	< 5	< 5
GW-71S	921217	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-72D	921117	4 J	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
GW-73D	930420	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-73S	930420	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-74D	930420	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	12
GW-74S	930420	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	9
GW-75D	930507	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
GW-75S	930507	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
IW-04	920812	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
IW-04	921110	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	1 J	< 5	< 5

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	CCL3	CH3CL	C13DCP	DBRCLM	ETC6H5	C2CL2	STYR	TCLEE	MEC6H5	T13DCP	TRCLE
IW-11	920812	< 30 UJ	< 50 UJ	< 30 UJ	< 30 UJ	< 30 UJ	< 50 UJ	< 30 UJ	< 30 UJ	18 J	< 30 UJ	< 30 UJ
IW-11	921110	< 3000	< 5000	< 3000	< 3000	< 3000	< 5000 U	< 3000	< 3000	< 3000	< 3000	< 3000
SL-01D	920810	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
SL-01D	921109	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
SL-01S	920810	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
SL-06	920806	6	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
SL-06	921109	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	C2AVE	C2H3CL	TXYLEN
B-03	920812	< 15	< 10	< 5
B-03	921110	< 15	< 10	1 J
BR-01	921119	< 15	< 10	< 5
GW-03D	921105	< 15	< 10	< 5
GW-03S	921105	< 15	< 10	< 5
GW-04	920805	< 15	< 10	< 5
GW-04	921105	< 15	< 10	< 5
GW-04D	920805	< 15	< 10	< 5
GW-04D	921105	< 15	< 10	< 5
GW-06D	920804	< 15	< 10	< 5
GW-06D	921103	< 15	< 10	< 5 U
GW-06S	920804	< 15	< 10	< 5
GW-06S	921103	< 15	< 10	< 5
GW-10D	920810	< 15	< 10	< 5 U
GW-10D	921109	< 15	< 10	< 5
GW-10S	920810	< 15	< 10	< 5
GW-10S	921112	< 15	< 10	< 5
GW-11	921109	< 15	< 10	< 5
GW-12	920810	< 15	< 10	< 5
GW-12	921111	< 15	< 10	< 5
GW-17D	920805	< 15	< 10	< 5
GW-17D	921103	< 15	< 10	< 5
GW-17S	921103	< 15	< 10	< 5
GW-18D	920806	< 15	< 10	< 5
GW-18D	921109	< 15	< 10	< 5
GW-19D	920804	< 15	< 10	< 5
GW-19D	921109	< 15	< 10	< 5
GW-19D	921109	< 800	< 500	< 300
GW-21D	921106	< 15	< 10	< 5
GW-21S	921106	< 15	< 10	< 5
GW-22D	920812	< 15	< 10	< 5

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	C2AVE	C2H3CL	TXYLEN
GW-22D	921105	< 15	< 10	< 5
GW-22S	920812	< 15	< 10	< 5
GW-22S	921105	< 15	< 10	< 5 UJ
GW-25	920810	< 15	< 10	< 5
GW-25	921116	< 15	< 10	< 5
GW-26	920810	< 15	< 10	< 5
GW-26	921113	< 15	< 10	< 5
GW-27D	920812	< 15	< 10	< 5
GW-27D	921109	< 15	< 10	< 5
GW-27S	920812	< 15	< 10	< 5
GW-27S	921109	< 15	< 10	< 5
GW-28D	920810	< 15	< 10	< 5
GW-28D	921106	< 15	< 10	< 5
GW-28S	920810	< 15	< 10	< 5
GW-28S	921106	< 15	< 10	< 5
GW-29D	920810	< 15	< 10	< 5
GW-29D	921106	< 15	< 10	< 5 UJ
GW-29S	920810	< 15	< 10	< 5
GW-29S	921106	< 15	< 10	< 5
GW-30DR	920804	< 15	< 10	< 5
GW-30DR	921109	< 15	< 10	< 5
GW-31D	920803	< 15	< 10	< 5
GW-31D	921102	< 15	< 10	< 5
GW-31S	920803	< 15	< 10	< 5
GW-31S	921102	< 15	< 10	< 5
GW-32D	920803	< 15	< 10	< 5
GW-32D	921102	< 15	< 10	< 5
GW-32S	920803	< 15	< 10	< 5
GW-32S	921102	< 15	< 10	< 5
GW-33D	920803	< 15	< 10	< 5
GW-33D	921103	< 15	< 10	< 5

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	C2AVE	C2H3CL	TXYLEN
GW-33S	920803	< 15	< 10	< 5
GW-33S	921103	< 15	< 10	< 5
GW-34D	920804	< 15	< 10	< 5
GW-34D	921105	< 15	< 10	< 5
GW-34S	920804	< 15	< 10	< 5
GW-34S	921105	< 15	< 10	< 5
GW-35D	920804	< 15	< 10	< 5
GW-35D	921105	< 15	< 10	< 5
GW-35S	920804	< 15	< 10	< 5
GW-35S	921105	< 15	< 10	< 5 UJ
GW-36	920811	< 15	< 10	< 5
GW-36	921116	< 15	< 10	< 5
GW-37	920811	< 15	< 10	< 5
GW-37	921116	< 15	< 10	< 5
GW-38	920804	< 15	< 10	< 5
GW-38	921109	< 15	< 10	< 5
GW-39	920806	< 15	< 10	< 5
GW-39	921111	< 15	< 10	< 5
GW-40D	920811	< 15	< 10 UJ	< 5
GW-40D	920811	< 15	2 J	< 5 U
GW-40D	921111	< 15	< 10	1 J
GW-40S	920811	< 15	< 10	< 5
GW-40S	921111	< 15	< 10	< 5
GW-42D	920805	< 15	< 10	< 5
GW-42D	920805	< 15	< 10	< 5
GW-42D	921111	< 15	< 10	< 5
GW-42D	921111	< 15	< 10	< 5 UJ
GW-42S	920805	< 15	< 10	< 5
GW-42S	921111	< 15	< 10	< 5
GW-43D	920805	< 15	< 10	< 5
GW-43D	920805	< 15	< 10	< 5

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	C2AVE	C2H3CL	TXYLEN
GW-43D	921111	< 15	< 10	6
GW-43D	921111	< 15	< 10	6
GW-43S	920805	< 15	< 10	< 5
GW-43S	921111	< 15	< 10	< 5
GW-44D	920812	< 15	< 10	4
GW-44D	921110	< 15	< 10	4 J
GW-44S	920812	< 15	< 10	< 5
GW-44S	921110	< 15	< 10	< 5
GW-45D	920810	< 15	< 10	< 5
GW-45D	921112	< 200	< 100	< 50
GW-45S	920810	< 15	< 10	< 5
GW-45S	921112	< 15	< 10	< 5
GW-46D	920811	< 15	< 10	< 5
GW-46D	921117	< 15	< 10	< 5
GW-47	920813	< 15	< 10	< 5
GW-47	921118	< 15	< 10	< 5
GW-48D	920812	< 15	< 10	< 5
GW-48D	921117	< 15	< 10	< 5
GW-48S	920812	< 15	< 10	< 5
GW-48S	921117	< 15	< 10	< 5
GW-49D	920812	< 15	7	600
GW-49D	921116	< 15	8 J	750
GW-50D	920805	< 15	< 10	< 5
GW-50D	920805	< 15	< 10	< 5
GW-50D	921104	< 15	< 10	< 5
GW-50D	921104	< 15	< 10	< 5
GW-50S	920806	< 15	< 10	< 5
GW-50S	921104	< 15	< 10	< 5
GW-51D	920805	< 15	< 10	< 5
GW-51D	921103	< 15	< 10	< 5
GW-51S	920805	< 15	< 10	< 5

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	C2AVE	C2H3CL	TXYLEN
GW-51S	921103	< 15	< 10	< 5
GW-52D	920804	< 15	< 10	< 5
GW-52D	921103	< 15	< 10	< 5
GW-52S	920804	< 15	< 10	< 5
GW-52S	921103	< 15	< 10	< 5
GW-53D	920804	< 15	< 10	< 5
GW-53D	921103	< 15	< 10	< 5
GW-53S	920804	< 15	< 10	< 5
GW-53S	921103	< 15	< 10	< 5
GW-54D	920803	< 15	< 10	< 5
GW-54D	921103	< 15	< 10	< 5
GW-54S	920803	< 15	< 10	< 5
GW-54S	921103	< 15	< 10	< 5 U
GW-55D	920805	< 15	< 10	< 5
GW-55D	921102	< 15	< 10	< 5
GW-55S	920805	< 15	< 10	< 5
GW-55S	921102	< 15	< 10	< 5
GW-56D	920806	< 15	< 10	< 5
GW-56D	921102	< 15	< 10	< 5
GW-56S	920806	< 15	< 10	< 5
GW-56S	921102	< 15	< 10	< 5
GW-57D	920806	< 15	< 10	< 5
GW-57D	921117	< 15	< 10	< 5
GW-58D	920811	< 15	< 10	< 5
GW-58D	921112	< 15	13	< 5
GW-58S	920811	< 15	< 10	< 5
GW-58S	921112	< 15	< 10	< 5
GW-59D	920806	< 15	< 10	< 5 U
GW-59D	920806	< 15	< 10	< 5 U
GW-59D	921110	< 15	< 10	10 J
GW-59D	921110	< 15	< 10	28

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	C2AVE	C2H3CL	TXYLEN
GW-59S	920806	< 15	< 10	< 5
GW-59S	921110	< 15	< 10	< 5
GW-60D	920811	< 15	< 10	< 5
GW-60D	921117	< 15	< 10	< 5
GW-60S	920811	< 15	< 10	< 5
GW-60S	921117	< 15	< 10	< 5
GW-61BR	921218	< 15	< 10	< 5 U
GW-61D	920812	< 15	< 10	< 5
GW-61D	921113	< 15	< 10	< 5
GW-61S	920812	< 15	< 10	< 5
GW-61S	921113	< 15	< 10	< 5
GW-62BR	920813	< 15	< 10	< 5
GW-62BR	921119	< 15	< 10	< 5
GW-62BRD	930107	< 15	< 10	< 5 U
GW-62D	920811	< 15	< 10	< 5
GW-62D	921116	< 15	< 10	17
GW-62M	920811	< 15	< 10	< 5
GW-62M	921116	< 15	< 10	< 5
GW-62S	920811	< 15	< 10	< 5
GW-62S	921116	< 15	< 10	< 5
GW-63D	920812	< 15	< 10	< 5
GW-63D	921118	< 15	< 10	< 5
GW-63S	920812	< 15	< 10	< 5
GW-63S	921118	< 15	< 10	< 5
GW-64D	920812	< 15	< 10	< 5
GW-64D	920812	< 15	< 10	< 5
GW-64D	921118	< 15	< 10	< 5
GW-64S	920812	< 15	< 10	< 5
GW-64S	921118	< 15	< 10	< 5
GW-65D	920813	< 15	< 10	< 5
GW-65D	921118	< 15	< 10	< 5

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

[redacted]L	DATE	C2AVE	C2H3CL	TXYLEN
GW-65S	920813	< 15	< 10	< 5
GW-65S	921118	< 15	< 10	< 5
GW-65S	921118	< 15	< 10	< 5
GW-66D	920811	< 15	< 10	< 5
GW-66D	921112	< 15	< 10	< 5
GW-66S	920811	< 15	< 10	< 5
GW-66S	921112	< 15	< 10	< 5
GW-67D	921113	< 15	< 10	< 5
GW-67S	921113	< 15	< 10	< 5
GW-68BR	921217	< 15	< 10	< 5
GW-68D	920806	< 15	< 10	< 5
GW-68D	921111	< 15	< 10	< 5
GW-69D	920806	< 15	< 10	< 5
GW-69D	921116	< 80	< 50	< 30
GW-69S	920806	< 15	< 10	< 5
GW-69S	921116	< 15	< 10	< 5
GW-70D	920810	< 15	< 10	< 5
GW-70D	921112	< 15	< 10	< 5
GW-70S	920810	< 15	< 10	< 5
GW-70S	921112	< 15	< 10	< 5
GW-71D	921217	< 15	< 10	< 5
GW-71S	921217	< 15	< 10	< 5
GW-72D	921117	< 15	< 10	< 5
GW-73D	930420	< 15	< 10	< 5
GW-73S	930420	< 15	< 10	< 5
GW-74D	930420	< 15	< 10	< 5
GW-74S	930420	< 15	< 10	< 5
GW-75D	930507	< 15	< 10	< 5
GW-75S	930507	< 15	< 10	< 5
IW-04	920812	< 15	< 10	< 5
IW-04	921110	< 15	< 10	< 5

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	C2AVE	C2H3CL	TXYLEN
IW-11	920812	< 80 UJ	< 50 UJ	39 J
IW-11	921110	< 8000	< 5000	< 3000
SL-01D	920810	< 15	< 10	< 5
SL-01D	921109	< 15	< 10	< 5
SL-01S	920810	< 15	< 10	< 5
SL-06	920806	< 15	< 10	< 5
SL-06	921109	< 15	< 10	< 5

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	124TCB	12DCLB	13DCLB	14DCLB	245TCP	246TCP	24DCLP	24DMPN	24DNP	24DNT	26DNT
B-03	920812	< 10	2	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
B-03	921110	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
BR-01	921119	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-03D	921105	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-03S	921105	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-04	920805	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-04	921105	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-04D	920805	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-04D	921105	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-06D	920804	< 10	< 10	1	< 10	< 25	< 10	< 10	< 10	< 25	< 10 UJ	< 10
GW-06D	921103	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-06S	920804	< 10 UJ	< 10 UJ	2 J	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ
GW-06S	921103	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10 UJ	< 10
GW-10D	920810	1	2	3	3	< 25	< 10	3	< 10	< 25	< 10	< 10
GW-10D	921109	2 J	2 J	< 10	3 J	< 25	< 10	3 J	< 10	< 25	< 10	5 J
GW-10S	920810	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-10S	921112	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-11	921109	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	1 J
GW-12	920810	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-12	921111	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-17D	920805	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ
GW-17D	921103	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-17S	921103	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-18D	920806	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-18D	921109	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-19D	920804	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10 UJ	< 10
GW-19D	921109	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-19D	921109	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-21D	921106	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-21S	921106	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-22D	920812	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	124TCB	12DCLB	13DCLB	14DCLB	245TCP	246TCP	24DCLP	24DMPN	24DNP	24DNT	26DNT
GW-22D	921105	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-22S	920812	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-22S	921105	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-25	920810	< 10 R	< 10 R	< 10 R	< 10 R	< 25 R	< 10 R	< 10 R	< 10 R	< 25 R	< 10 R	< 10 R
GW-25	921116	2 J	< 10	1 J	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-26	920810	< 10	2	< 10	2	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-26	921113	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-27D	920812	< 10	< 10	1	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-27D	921109	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-27S	920812	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-27S	921109	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-28D	920810	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-28D	921106	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-28S	920810	< 20 UJ	< 20	< 20	< 20 UJ	< 50	< 20	< 20	< 20	< 50	< 20 UJ	< 20
GW-28S	921106	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-29D	920810	< 10	3	1	3	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-29D	921106	< 10	3 J	< 10	3 J	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-29S	920810	< 10 R	< 10 R	< 10 R	< 10 R	< 25 R	< 10 R	< 10 R	< 10 R	< 25 R	< 10 R	< 10 R
GW-29S	921106	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-30DR	920804	< 10 UJ	< 10 UJ	2 J	< 10 UJ	< 25 UJ	< 10 UJ	1 J	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ
GW-30DR	921109	< 10	< 10	< 10	< 10	< 25	< 10	1 J	< 10	< 25	< 10	< 10
GW-31D	920803	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-31D	921102	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-31S	920803	< 10	< 10	1	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-31S	921102	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-32D	920803	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-32D	921102	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-32S	920803	< 10	< 10	2	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-32S	921102	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-33D	920803	< 10 UJ	2 J	3 J	3 J	< 25 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ
GW-33D	921103	< 10	3 J	1 J	3 J	< 25	< 10	< 10	< 10	< 25	< 10	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	124TCB	12DCLB	13DCLB	14DCLB	245TCP	246TCP	24DCLP	24DMPN	24DNP	24DNT	26DNT
GW-33S	920803	< 10 UJ	< 10 UJ	2 J	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ
GW-33S	921103	< 10	1 J	< 10	1 J	< 25	< 10	< 10	< 10	< 25	< 10	2 J
GW-34D	920804	< 10 UJ	< 10 UJ	2 J	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ
GW-34D	921105	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-34S	920804	< 10 UJ	< 10 UJ	1 J	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ
GW-34S	921105	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-35D	920804	< 10 R	< 10 R	< 10 R	< 10 R	< 25 R	< 10 R	< 10 R	< 10 R	< 25 R	< 10 R	< 10 R
GW-35D	921105	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-35S	920804	2	< 10	1	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-35S	921105	5 J	< 10	1 J	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-36	920811	< 10	< 10	< 10	< 10	< 25	< 10	1	< 10	< 25	< 10	< 10
GW-36	921116	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-37	920811	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	1 J	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ
GW-37	921116	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-38	920804	< 10 UJ	< 10 UJ	1 J	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ
GW-38	921109	< 10	< 10	< 10	< 10	< 25	< 10	1 J	< 10	< 25	< 10	< 10
GW-39	920806	< 10	< 10	1	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-39	921111	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-40D	920811	< 10 UJ	< 10	2 J	< 10 UJ	< 25	< 10	< 10	< 10	< 25	< 10 UJ	< 10
GW-40D	920811	< 10 UJ	< 10	< 10 UJ	< 10 UJ	< 25	< 10	< 10	< 10	< 25	< 10 UJ	< 10
GW-40D	921111	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-40S	920811	< 10 UJ	< 10	< 10	< 10 UJ	< 25	< 10	< 10	< 10	< 25	< 10 UJ	< 10
GW-40S	921111	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-42D	920805	< 10	< 10	< 10 UJ	< 10	< 30 UJ	< 10	< 10 UJ	< 10 UJ	< 25	< 10 UJ	< 10
GW-42D	920805	< 10 UJ	< 10 UJ	< 10	< 10 UJ	< 25	< 10 UJ	< 10	< 10	< 30 UJ	< 10 UJ	< 10 UJ
GW-42D	921111	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-42D	921111	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-42S	920805	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-42S	921111	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-43D	920805	1 J	< 10 UJ	< 10 UJ	< 10	< 25	< 10 UJ	< 10 UJ	< 10	< 25	< 10 UJ	< 10 UJ
GW-43D	920805	< 10 UJ	< 10	2 J	< 10 UJ	< 25 UJ	< 10	< 10	< 10 UJ	< 25 UJ	< 10	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	124TCB	12DCLB	13DCLB	14DCLB	245TCP	246TCP	24DCLP	24DMPN	24DNP	24DNT	26DNT
GW-43D	921111	1 J	< 10	< 10	< 10	< 25	1 J	< 10	< 10	< 25	< 10	< 10
GW-43D	921111	< 10	< 10	< 10	< 10	< 25	1 J	< 10	< 10	< 25	< 10	< 10
GW-43S	920805	< 10 UJ	< 10 UJ	< 10 UJ	2 J	< 25 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ
GW-43S	921111	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-44D	920812	< 10 UJ	< 10 UJ	< 10 UJ	1 J	< 25 UJ	< 10 UJ	3 J	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ
GW-44D	921110	< 10	1 J	< 10	1 J	< 25	< 10	3 J	< 10	< 25	< 10	< 10
GW-44S	920812	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-44S	921110	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-45D	920810	< 10	< 10	1	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-45D	921112	< 10	< 10	< 10	< 10	< 25	< 10	2 J	< 10	< 25	< 10	< 10
GW-45S	920810	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-45S	921112	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-46D	920811	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-46D	921117	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-47	920813	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-47	921118	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-48D	920812	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-48D	921117	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-48S	920812	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-48S	921117	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-49D	920812	< 10	130	< 10	5	< 25	< 10	< 10	7	< 25	< 10	< 10
GW-49D	921116	< 10	99	< 10	4 J	< 25	< 10	< 10	6 J	2 J	< 10	< 10
GW-50D	920805	< 10 UJ	< 10	1 J	< 10 UJ	< 25	< 10 UJ	< 10 UJ	< 10 UJ	< 25	< 10	< 10
GW-50D	920805	< 10	< 10 UJ	1	< 10	< 25 UJ	< 10	< 10	< 10	< 25 UJ	< 10 UJ	< 10 UJ
GW-50D	921104	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10 UJ	< 10
GW-50D	921104	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10 UJ	< 10
GW-50S	920806	< 10 UJ	< 10 UJ	1 J	< 10 UJ	< 25 R	< 10 R	< 10 R	< 10 R	< 25 R	< 10 UJ	< 10 UJ
GW-50S	921104	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10 UJ	< 10
GW-51D	920805	< 10 UJ	< 10 UJ	2 J	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ
GW-51D	921103	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-51S	920805	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	124TCB	12DCLB	13DCLB	14DCLB	245TCP	246TCP	24DCLP	24DMPN	24DNP	24DNT	26DNT
GW-51S	921103	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-52D	920804	< 10	< 10	1	< 10	< 25	< 10	< 10	< 10	< 25	< 10 UJ	< 10
GW-52D	921103	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	3 J
GW-52S	920804	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10 UJ	< 10
GW-52S	921103	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	5 J
GW-53D	920804	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10 UJ	< 10
GW-53D	921103	< 10	1 J	< 10	2 J	< 25	< 10	< 10	< 10	< 25	< 10	3 J
GW-53S	920804	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10 UJ	< 10
GW-53S	921103	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-54D	920803	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-54D	921103	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-54S	920803	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-54S	921103	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	2 J
GW-55D	920805	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ
GW-55D	921102	< 10	< 10	< 10	< 10	< 25	< 10	< 10	4 J	< 25	< 10	< 10
GW-55S	920805	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-55S	921102	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-56D	920806	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-56D	921102	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-56S	920806	< 10	< 10	1	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-56S	921102	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-57D	920806	< 10 UJ	< 10 UJ	2 J	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ
GW-57D	921117	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-58D	920811	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25	< 10	< 10	< 10	< 25	< 10 UJ	< 10 UJ
GW-58D	921112	1 J	< 10	< 10	< 10	< 25	< 10	1 J	< 10	< 25	< 10	< 10
GW-58S	920811	< 10 UJ	< 10 UJ	1 J	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ
GW-58S	921112	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-59D	920806	< 10	1	< 10 UJ	1	< 25	< 10	3	< 10	< 25	< 10	< 10
GW-59D	920806	< 10	1	2 J	1	< 25	< 10	3	< 10	< 25	< 10	< 10
GW-59D	921110	< 10	1 J	< 10	2 J	< 25	< 10	3 J	1 J	< 25	< 10	< 10
GW-59D	921110	< 10	< 10	< 10	1 J	< 25	< 10	3 J	< 10	< 25	< 10	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	124TCB	12DCLB	13DCLB	14DCLB	245TCP	246TCP	24DCLP	24DMPN	24DNP	24DNT	26DNT
GW-59S	920806	< 10 UJ	< 10 UJ	1 J	< 10 UJ	< 25 R	< 10 R	< 10 R	< 10 R	< 25 R	< 10 UJ	< 10 UJ
GW-59S	921110	< 10	< 10	< 10	1 J	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-60D	920811	< 10 UJ	< 10	1	< 10 UJ	< 25	< 10	< 10	< 10	< 25	< 10 UJ	< 10
GW-60D	921117	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-60S	920811	< 10 UJ	< 10	< 10	< 10 UJ	< 25	< 10	< 10	< 10	< 25	< 10 UJ	< 10
GW-60S	921117	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-61BR	921218	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-61D	920812	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-61D	921113	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-61S	920812	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-61S	921113	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-62BR	920813	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-62BR	921119	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-62BRD	930107	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-62D	920811	< 10	< 10	1	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-62D	921116	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-62M	920811	< 10 UJ	< 10	1	< 10 UJ	< 25	< 10	< 10	< 10	< 25	< 10 UJ	< 10
GW-62M	921116	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-62S	920811	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-62S	921116	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-63D	920812	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-63D	921118	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-63S	920812	< 10	< 10	< 10	< 10	< 30	< 10	< 10	< 10	< 30	< 10	< 10
GW-63S	921118	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-64D	920812	< 10	< 10	1	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-64D	920812	< 10	< 10	1	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-64D	921118	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-64S	920812	< 10	< 10	1	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-64S	921118	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-65D	920813	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-65D	921118	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	124TCB	12DCLB	13DCLB	14DCLB	245TCP	246TCP	24DCLP	24DMPN	24DNP	24DNT	26DNT
GW-65S	920813	< 10	< 10	1	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-65S	921118	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-65S	921118	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-66D	920811	< 10 UJ	< 10	< 10	< 10 UJ	< 25	< 10	< 10	< 10	< 25	< 10 UJ	< 10
GW-66D	921112	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-66S	920811	< 10 UJ	< 10	< 10	< 10 UJ	< 25	< 10	< 10	< 10	< 25	< 10 UJ	< 10
GW-66S	921112	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-67D	921113	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-67S	921113	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-68BR	921217	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-68D	920806	< 10	< 10	1	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-68D	921111	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-69D	920806	6 J	< 10 UJ	2 J	< 10 UJ	< 25 R	< 10 R	1 J	< 10 R	< 25 R	< 10 UJ	< 10 UJ
GW-69D	921116	7 J	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	1 J	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ
GW-69S	920806	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-69S	921116	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-70D	920810	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-70D	921112	< 10	< 10	3 J	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-70S	920810	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ
GW-70S	921112	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-71D	921217	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-71S	921217	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-72D	921117	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-73D	930420	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-73S	930420	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-74D	930420	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-74S	930420	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-75D	930507	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
GW-75S	930507	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
IW-04	920812	< 10	< 10	1	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
IW-04	921110	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	124TCB	12DCLB	13DCLB	14DCLB	245TCP	246TCP	24DCLP	24DMPN	24DNP	24DNT	26DNT
IW-11	920812	< 60 UJ	< 60 UJ	< 60 UJ	< 60 UJ	< 100 R	< 60 R	< 60 R	< 60 R	< 100 R	< 60 UJ	< 60 UJ
IW-11	921110	< 3000	< 3000	< 3000	< 3000	< 8000	< 3000	< 3000	< 3000	< 8000	< 3000	< 3000
SL-01D	920810	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SL-01D	921109	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SL-01S	920810	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SL-06	920806	< 10	< 10	2	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SL-06	921109	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	2CNAP	2CLP	2MNAP	2MP	2NANIL	2NP	33DCBD	3NANIL	46DN2C	4BRPPE	4CL3MP
B-03	920812	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
B-03	921110	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
BR-01	921119	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-03D	921105	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-03S	921105	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-04	920805	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-04	921105	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-04D	920805	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-04D	921105	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-06D	920804	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-06D	921103	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-06S	920804	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 25 UJ	< 10 UJ	< 10 UJ
GW-06S	921103	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-10D	920810	< 10	2	< 10	4	< 25	4	< 10	< 25	< 25	3	< 10
GW-10D	921109	< 10	< 10	< 10	4 J	< 25	8 J	< 10	< 25	< 25	5 J	< 10
GW-10S	920810	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-10S	921112	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-11	921109	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-12	920810	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-12	921111	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-17D	920805	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	5 J	< 10 UJ	< 25 UJ	< 25 UJ	< 10 UJ	< 10 UJ
GW-17D	921103	< 10	< 10	< 10	< 10	< 25	10	< 10	< 25	< 25	< 10	< 10
GW-17S	921103	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-18D	920806	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-18D	921109	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-19D	920804	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	3	< 10
GW-19D	921109	< 10	1 J	< 10	< 10	< 25	< 10	< 10	< 25	< 25	6 J	< 10
GW-19D	921109	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	6 J	< 10
GW-21D	921106	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-21S	921106	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-22D	920812	< 10 UJ	2 J	< 10 UJ	< 10 UJ	< 25 UJ	60 J	< 10 UJ	< 25 UJ	< 25 UJ	1 J	< 10 UJ

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	2CNAP	2CLP	2MNAP	2MP	2NANIL	2NP	33DCBD	3NANIL	46DN2C	4BRPPE	4CL3MP
GW-22D	921105	< 10	3 J	< 10	< 10	< 25	120	< 10	< 25	< 25	2 J	< 10
GW-22S	920812	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-22S	921105	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-25	920810	< 10 R	< 10 R	< 10 R	< 10 R	< 25 R	< 10 R	< 10 R	< 25 R	< 25 R	< 10 R	< 10 R
GW-25	921116	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-26	920810	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-26	921113	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-27D	920812	< 10	< 10	< 10	< 10	< 25	42	< 10	< 25	< 25	33	< 10
GW-27D	921109	< 10	1 J	< 10	< 10	< 25	88	< 10	< 25	< 25	34	< 10
GW-27S	920812	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	27	< 10
GW-27S	921109	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	44	< 10
GW-28D	920810	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-28D	921106	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-28S	920810	< 20	< 20 UJ	< 20	< 20	< 50	< 20	< 20	< 50	< 50	< 20	< 20
GW-28S	921106	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-29D	920810	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-29D	921106	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-29S	920810	< 10 R	< 10 R	< 10 R	< 10 R	< 25 R	< 10 R	< 10 R	< 25 R	< 25 R	< 10 R	< 10 R
GW-29S	921106	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-30DR	920804	< 10 UJ	6 J	< 10 UJ	16 J	< 25 UJ	150 J	< 10 UJ	< 25 UJ	< 25 UJ	< 10 UJ	< 10 UJ
GW-30DR	921109	< 10	< 10	< 10	20	< 25	190	< 10	< 25	< 25	< 10	6 J
GW-31D	920803	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-31D	921102	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-31S	920803	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-31S	921102	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-32D	920803	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-32D	921102	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-32S	920803	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-32S	921102	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-33D	920803	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 25 UJ	< 10 UJ	< 10 UJ
GW-33D	921103	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	2CNAP	2CLP	2MNAP	2MP	2NANIL	2NP	33DCBD	3NANIL	46DN2C	4BRPPE	4CL3MP
GW-33S	920803	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 25 UJ	< 10 UJ	< 10 UJ
GW-33S	921103	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-34D	920804	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	36 J	< 10 UJ	< 25 UJ	< 25 UJ	1 J	< 10 UJ
GW-34D	921105	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-34S	920804	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 25 UJ	< 10 UJ	< 10 UJ
GW-34S	921105	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-35D	920804	< 10 R	< 10 R	< 10 R	< 10 R	< 25 R	2 J	< 10 R	< 25 R	< 25 R	< 10 R	< 10 R
GW-35D	921105	< 10	< 10	< 10	< 10	< 25	1 J	< 10	< 25	< 25	5 J	< 10
GW-35S	920804	< 10	< 10	< 10	2	< 25	2	< 10	< 25	< 25	< 10	< 10
GW-35S	921105	< 10	< 10	< 10	< 10	< 25	89	< 10	< 25	< 25	< 10	< 10
GW-36	920811	< 10	< 10	< 10	10	< 25	120	< 10	< 25	< 25	< 10	< 10
GW-36	921116	< 10	< 10	< 10	6 J	< 25	120	< 10	< 25	< 25	< 10	< 10
GW-37	920811	< 10 UJ	3 J	< 10 UJ	7 J	< 25 UJ	130 J	< 10 UJ	< 25 UJ	< 25 UJ	< 10 UJ	< 10 UJ
GW-37	921116	< 10	< 10	< 10	6 J	< 25	130	< 10	< 25	< 25	< 10	< 10
GW-38	920804	< 10 UJ	< 10 UJ	< 10 UJ	3 J	< 25 UJ	75 J	< 10 UJ	< 25 UJ	< 25 UJ	1 J	< 10 UJ
GW-38	921109	< 10	< 10	< 10	5 J	< 25	150	< 10	< 25	< 25	< 10	< 10
GW-39	920806	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-39	921111	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-40D	920811	< 10	< 10 UJ	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-40D	920811	< 10	< 10 UJ	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-40D	921111	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-40S	920811	< 10	< 10 UJ	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-40S	921111	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-42D	920805	< 10 UJ	< 10	< 10	2	< 30 UJ	160 J	< 10 UJ	< 30 UJ	< 30 UJ	< 10	< 10 UJ
GW-42D	920805	< 10	< 10 UJ	< 10 UJ	3 J	< 25	82 J	< 10	< 25	< 25	< 10 UJ	2 J
GW-42D	921111	< 10	3 J	< 10	3 J	< 25	210	< 10	< 25	< 25	< 10	< 10
GW-42D	921111	< 10	< 10	< 10	4 J	< 25	220	< 10	< 25	< 25	< 10	< 10
GW-42S	920805	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-42S	921111	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-43D	920805	< 10	< 10	< 10	1 J	< 25	15 J	< 10 UJ	< 25	< 25	3	< 10
GW-43D	920805	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	9	< 10	< 25 UJ	< 25 UJ	5 J	< 10 UJ

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	2CNAP	2CLP	2MNAP	2MP	2NANIL	2NP	33DCBD	3NANIL	46DN2C	4BRPPE	4CL3MP
GW-43D	921111	< 10	2 J	< 10	3 J	< 25	14	< 10	< 25	< 25	9 J	< 10
GW-43D	921111	< 10	1 J	< 10	2 J	< 25	13	< 10	< 25	3 J	7 J	< 10
GW-43S	920805	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 25 UJ	< 10 UJ	< 10 UJ
GW-43S	921111	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-44D	920812	< 10 UJ	5 J	2 J	5 J	< 25 UJ	43 J	< 10 UJ	< 25 UJ	< 25 UJ	< 10 UJ	< 10 UJ
GW-44D	921110	< 10	< 10	1 J	6 J	< 25	45	< 10	< 25	< 25	< 10	< 10
GW-44S	920812	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-44S	921110	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-45D	920810	< 10	< 10	< 10	2	< 25	51	< 10	< 25	< 25	< 10	< 10
GW-45D	921112	< 10	< 10	< 10	3 J	< 25	93	< 10	< 25	< 25	< 10	< 10
GW-45S	920810	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-45S	921112	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-46D	920811	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-46D	921117	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-47	920813	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-47	921118	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-48D	920812	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-48D	921117	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-48S	920812	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-48S	921117	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-49D	920812	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-49D	921116	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-50D	920805	< 10 UJ	< 10 UJ	< 10 UJ	< 10	< 25	< 10	< 10	< 25	< 25	< 10 UJ	< 10
GW-50D	920805	< 10	< 10	< 10	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 25 UJ	< 10	< 10 UJ
GW-50D	921104	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-50D	921104	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-50S	920806	< 10 UJ	< 10 R	< 10 UJ	< 10 R	< 25 UJ	< 10 R	< 10 UJ	< 25 UJ	< 25 R	< 10 UJ	< 10 R
GW-50S	921104	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-51D	920805	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 25 UJ	< 10 UJ	< 10 UJ
GW-51D	921103	< 10	< 10	< 10	< 10	< 25	1 J	< 10	< 25	< 25	< 10	< 10
GW-51S	920805	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	2CNAP	2CLP	2MNAP	2MP	2NANIL	2NP	33DCBD	3NANIL	46DN2C	4BRPPE	4CL3MP
GW-51S	921103	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-52D	920804	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-52D	921103	< 10	< 10	1 J	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-52S	920804	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-52S	921103	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-53D	920804	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-53D	921103	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-53S	920804	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-53S	921103	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-54D	920803	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-54D	921103	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-54S	920803	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-54S	921103	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-55D	920805	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 25 UJ	1 J	< 10 UJ
GW-55D	921102	< 10	1 J	< 10	2 J	< 25	< 10	< 10	< 25	< 25	1 J	< 10
GW-55S	920805	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-55S	921102	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-56D	920806	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-56D	921102	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-56S	920806	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-56S	921102	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-57D	920806	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 25 UJ	< 10 UJ	< 10 UJ
GW-57D	921117	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-58D	920811	< 10 UJ	< 10	< 10 UJ	< 10	< 25 UJ	< 10	< 10 UJ	< 25 UJ	< 25	< 10 UJ	< 10
GW-58D	921112	< 10	1 J	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-58S	920811	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 25 UJ	< 10 UJ	< 10 UJ
GW-58S	921112	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-59D	920806	< 10	< 10	< 10	13	< 25	19	< 10	< 25	< 25	< 10	< 10
GW-59D	920806	< 10	< 10	< 10	13	< 25	22	< 10	< 25	< 25	< 10	< 10
GW-59D	921110	< 10	< 10	< 10	17	< 25	32	< 10	< 25	< 25	< 10	< 10
GW-59D	921110	< 10	< 10	< 10	12	< 25	25	< 10	< 25	< 25	< 10	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	2CNAP	2CLP	2MNAP	2MP	2NANIL	2NP	33DCBD	3NANIL	46DN2C	4BRPPE	4CL3MP
GW-59S	920806	< 10 UJ	< 10 R	< 10 UJ	< 10 R	< 25 UJ	< 10 R	< 10 UJ	< 25 UJ	< 25 R	< 10 UJ	< 10 R
GW-59S	921110	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-60D	920811	< 10	< 10 UJ	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-60D	921117	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-60S	920811	< 10	< 10 UJ	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-60S	921117	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-61BR	921218	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-61D	920812	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-61D	921113	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-61S	920812	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-61S	921113	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-62BR	920813	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-62BR	921119	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-62BRD	930107	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-62D	920811	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-62D	921116	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-62M	920811	< 10	< 10 UJ	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-62M	921116	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-62S	920811	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-62S	921116	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-63D	920812	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-63D	921118	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-63S	920812	< 10	< 10	< 10	< 10	< 30	< 10	< 10	< 30	< 30	< 10	< 10
GW-63S	921118	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-64D	920812	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-64D	920812	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-64D	921118	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-64S	920812	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-64S	921118	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-65D	920813	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-65D	921118	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	2CNAP	2CLP	2MNAP	2MP	2NANIL	2NP	33DCBD	3NANIL	46DN2C	4BRPPE	4CL3MP
GW-65S	920813	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-65S	921118	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-65S	921118	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-66D	920811	< 10	< 10 UJ	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-66D	921112	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-66S	920811	< 10	< 10 UJ	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-66S	921112	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-67D	921113	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-67S	921113	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-68BR	921217	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-68D	920806	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-68D	921111	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-69D	920806	< 10 UJ	< 10 R	< 10 UJ	< 10 R	< 25 UJ	7 J	< 10 UJ	< 25 UJ	< 25 R	11 J	< 10 R
GW-69D	921116	< 10 UJ	1 J	< 10 UJ	< 10 UJ	< 25 UJ	9 J	< 10 UJ	< 25 UJ	< 25 UJ	6 J	< 10 UJ
GW-69S	920806	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-69S	921116	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-70D	920810	< 10	< 10	< 10	2	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-70D	921112	< 10	< 10	< 10	7 J	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-70S	920810	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 25 UJ	< 10 UJ	< 10 UJ
GW-70S	921112	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-71D	921217	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-71S	921217	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-72D	921117	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-73D	930420	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-73S	930420	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-74D	930420	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-74S	930420	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-75D	930507	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
GW-75S	930507	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
IW-04	920812	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
IW-04	921110	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	2CNAP	2CLP	2MNAP	2MP	2NANIL	2NP	33DCBD	3NANIL	46DN2C	4BRPPE	4CL3MP
IW-11	920812	< 60 UJ	< 60 R	87 J	< 60 R	< 100 UJ	< 60 R	< 60 UJ	< 100 UJ	< 100 R	< 60 UJ	< 60 R
IW-11	921110	< 3000	< 3000	< 3000	< 3000	< 8000	< 3000	< 3000	< 8000	< 8000	< 3000	< 3000
SL-01D	920810	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SL-01D	921109	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SL-01S	920810	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SL-06	920806	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SL-06	921109	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	4CANIL	4CLPPE	4MP	4NANIL	4NP	ANAPNE	ANAPYL	ANTRC	BAANTR	BAPYR	BBFANT
B-03	920812	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
B-03	921110	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
BR-01	921119	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-03D	921105	< 10	< 10	< 10	< 25	3 J	< 10	< 10	< 10	< 10	< 10	< 10
GW-03S	921105	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-04	920805	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-04	921105	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-04D	920805	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-04D	921105	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-06D	920804	< 10	< 10	< 10	< 25	< 25 UJ	< 10	< 10	< 10	< 10	< 10	< 10
GW-06D	921103	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-06S	920804	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-06S	921103	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-10D	920810	< 10	12	< 10	< 25	10	< 10	< 10	< 10	< 10	< 10	< 10
GW-10D	921109	< 10	15	2 J	< 25	12 J	< 10	< 10	< 10	< 10	< 10	< 10
GW-10S	920810	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-10S	921112	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-11	921109	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-12	920810	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-12	921111	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-17D	920805	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	4 J	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-17D	921103	< 10	< 10	< 10	< 25	13 J	< 10	< 10	< 10	< 10	< 10	< 10
GW-17S	921103	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-18D	920806	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-18D	921109	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-19D	920804	< 10	< 10	< 10	< 25	< 25 UJ	< 10	< 10	< 10	< 10	< 10	< 10
GW-19D	921109	< 10	< 10	< 10	3 J	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-19D	921109	< 10	< 10	< 10	3 J	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-21D	921106	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-21S	921106	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-22D	920812	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	54 J	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	4CANIL	4CLPPE	4MP	4NANIL	4NP	ANAPNE	ANAPYL	ANTRC	BAANTR	BAPYR	BBFANT
GW-22D	921105	< 10	< 10	< 10	< 25	330	< 10	< 10	< 10	< 10	< 10	< 10
GW-22S	920812	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-22S	921105	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-25	920810	< 10 R	< 10 R	< 10 R	< 25 R	< 25 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R
GW-25	921116	< 10	< 10	< 10	< 25	1 J	< 10	< 10	< 10	< 10	< 10	< 10
GW-26	920810	< 10	7	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-26	921113	< 10	4 J	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-27D	920812	< 10	2	< 10	< 25	69	< 10	< 10	< 10	< 10	< 10	< 10
GW-27D	921109	< 10	3 J	< 10	< 25	150	< 10	< 10	< 10	< 10	< 10	< 10
GW-27S	920812	< 10	2	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-27S	921109	< 10	5 J	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-28D	920810	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-28D	921106	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-28S	920810	< 20	< 20	< 20	< 50	< 50 UJ	< 20 UJ	< 20	< 20	< 20	< 20	< 20
GW-28S	921106	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-29D	920810	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-29D	921106	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-29S	920810	< 10 R	< 10 R	< 10 R	< 25 R	< 25 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R
GW-29S	921106	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-30DR	920804	< 10 UJ	< 10 UJ	38 J	< 25 UJ	120 J	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-30DR	921109	< 10	< 10	52	< 25	160 J	< 10	< 10	< 10	< 10	< 10	< 10
GW-31D	920803	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-31D	921102	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-31S	920803	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-31S	921102	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-32D	920803	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-32D	921102	< 10	< 10	< 10	< 25	4 J	< 10	< 10	< 10	< 10	< 10	< 10
GW-32S	920803	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-32S	921102	< 10	< 10	< 10	< 25	2 J	< 10	< 10	< 10	< 10	< 10	< 10
GW-33D	920803	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-33D	921103	< 10	1 J	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	4CANIL	4CLPPE	4MP	4NANIL	4NP	ANAPNE	ANAPYL	ANTRC	BAANTR	BAPYR	BBFANT
GW-33S	920803	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-33S	921103	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-34D	920804	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-34D	921105	< 10	< 10	< 10	< 25	2 J	< 10	< 10	< 10	< 10	< 10	< 10
GW-34S	920804	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-34S	921105	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-35D	920804	< 10 R	< 10 R	1 J	< 25 R	30 J	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R
GW-35D	921105	< 10	< 10	< 10	< 25	3 J	< 10	< 10	< 10	< 10	< 10	< 10
GW-35S	920804	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-35S	921105	< 10	< 10	2 J	< 25	110	< 10	< 10	< 10	< 10	< 10	< 10
GW-36	920811	< 10	< 10	38	< 25	180	< 10	< 10	< 10	< 10	< 10	< 10
GW-36	921116	< 10	< 10	27	< 25	170 J	< 10	< 10	< 10	< 10	< 10	< 10
GW-37	920811	< 10 UJ	< 10 UJ	36 J	< 25 UJ	110 J	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-37	921116	< 10	< 10	34	< 25	190 J	< 10	< 10	< 10	< 10	< 10	< 10
GW-38	920804	< 10 UJ	< 10 UJ	10 J	< 25 UJ	99 J	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-38	921109	< 10	< 10	19	< 25	150	< 10	< 10	< 10	< 10	< 10	< 10
GW-39	920806	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-39	921111	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-40D	920811	< 10	< 10	< 10	< 25	< 25 UJ	< 10 UJ	< 10	< 10	< 10	< 10	< 10
GW-40D	920811	< 10	< 10	< 10	< 25	< 25 UJ	< 10 UJ	< 10	< 10	< 10	< 10	< 10
GW-40D	921111	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-40S	920811	< 10	< 10	< 10	< 25	< 25 UJ	< 10 UJ	< 10	< 10	< 10	< 10	< 10
GW-40S	921111	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-42D	920805	< 10 UJ	< 10	39	< 30 UJ	170 J	< 10	< 10	< 10 UJ	< 10	< 10	< 10
GW-42D	920805	< 10	< 10 UJ	56 J	< 25	110 J	< 10 UJ	< 10 UJ	< 10	< 10 UJ	< 10 UJ	< 10 UJ
GW-42D	921111	< 10	< 10	81	< 25	310 J	< 10	< 10	< 10	< 10	< 10	< 10
GW-42D	921111	< 10	< 10	86	< 25	300	< 10	< 10	< 10	< 10	< 10	< 10
GW-42S	920805	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-42S	921111	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-43D	920805	< 10	< 10 UJ	5 J	< 25	5 J	< 10 UJ	< 10	< 10	< 10	< 10 UJ	< 10
GW-43D	920805	< 10 UJ	< 10	3	< 25 UJ	25 J	< 10	< 10 UJ	< 10 UJ	< 10 UJ	< 10	< 10 UJ

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	4CANIL	4CLPPE	4MP	4NANIL	4NP	ANAPNE	ANAPYL	ANTRC	BAANTR	BAPYR	BBFANT
GW-43D	921111	< 10	< 10	10	< 25	33	< 10	< 10	< 10	< 10	< 10	< 10
GW-43D	921111	< 10	< 10	7 J	< 25	29	< 10	< 10	< 10	< 10	< 10	< 10
GW-43S	920805	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-43S	921111	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-44D	920812	< 10 UJ	< 10 UJ	28 J	< 25 UJ	72 J	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-44D	921110	< 10	< 10	32	< 25	110	< 10	< 10	< 10	< 10	< 10	< 10
GW-44S	920812	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-44S	921110	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-45D	920810	< 10	< 10	13	< 25	64	< 10	< 10	< 10	< 10	< 10	< 10
GW-45D	921112	< 10	< 10	16	< 25	190 J	< 10	< 10	< 10	< 10	< 10	< 10
GW-45S	920810	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-45S	921112	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-46D	920811	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-46D	921117	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-47	920813	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-47	921118	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-48D	920812	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-48D	921117	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-48S	920812	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-48S	921117	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-49D	920812	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-49D	921116	< 10	< 10	58	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-50D	920805	< 10 UJ	< 10	< 10	< 25	< 25 UJ	< 10	< 10 UJ	< 10	< 10	< 10 UJ	< 10 UJ
GW-50D	920805	< 10	< 10 UJ	< 10 UJ	< 25 UJ	3 J	< 10 UJ	< 10	< 10 UJ	< 10 UJ	< 10	< 10
GW-50D	921104	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-50D	921104	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-50S	920806	< 10 UJ	< 10 UJ	< 10 R	< 25 UJ	< 25 R	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-50S	921104	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-51D	920805	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-51D	921103	< 10	< 10	< 10	< 25	3 J	< 10	< 10	< 10	< 10	< 10	< 10
GW-51S	920805	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	4CANIL	4CLPPE	4MP	4NANIL	4NP	ANAPNE	ANAPYL	ANTRC	BAANTR	BAPYR	BBFANT
GW-51S	921103	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-52D	920804	< 10	< 10	< 10	< 25	< 25 UJ	< 10	< 10	< 10	< 10	< 10	< 10
GW-52D	921103	< 10	< 10	< 10	< 25	6 J	< 10	< 10	< 10	< 10	< 10	< 10
GW-52S	920804	< 10	< 10	< 10	< 25	< 25 UJ	< 10	< 10	< 10	< 10	< 10	< 10
GW-52S	921103	< 10	< 10	< 10	< 25	6 J	< 10	< 10	< 10	< 10	< 10	< 10
GW-53D	920804	< 10	< 10	< 10	< 25	< 25 UJ	< 10	< 10	< 10	< 10	< 10	< 10
GW-53D	921103	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-53S	920804	< 10	< 10	< 10	< 25	< 25 UJ	< 10	< 10	< 10	< 10	< 10	< 10
GW-53S	921103	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-54D	920803	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-54D	921103	< 10	< 10	< 10	2 J	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-54S	920803	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-54S	921103	2 J	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-55D	920805	< 10 UJ	< 10 UJ	2 J	< 25 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-55D	921102	< 10	< 10	3 J	< 25	12 J	< 10	< 10	< 10	< 10	< 10	< 10
GW-55S	920805	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-55S	921102	< 10	< 10	< 10	< 25	1 J	< 10	< 10	< 10	< 10	< 10	< 10
GW-56D	920806	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-56D	921102	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-56S	920806	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-56S	921102	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-57D	920806	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-57D	921117	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-58D	920811	< 10 UJ	< 10 UJ	< 10	< 25 UJ	< 25	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-58D	921112	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-58S	920811	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-58S	921112	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-59D	920806	< 10	< 10	35	< 25	42	< 10	< 10	< 10	< 10	< 10	< 10
GW-59D	920806	< 10	< 10	38	< 25	61	< 10	< 10	< 10	< 10	< 10	< 10
GW-59D	921110	< 10	< 10	51	< 25	73	< 10	< 10	< 10	< 10	< 10	< 10
GW-59D	921110	< 10	< 10	33	< 25	65	< 10	< 10	< 10	< 10	< 10	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	4CANIL	4CLPPE	4MP	4NANIL	4NP	ANAPNE	ANAPYL	ANTRC	BAANTR	BAPYR	BBFANT
GW-59S	920806	< 10 UJ	< 10 UJ	< 10 R	< 25 UJ	< 25 R	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-59S	921110	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-60D	920811	< 10	< 10	< 10	< 25	< 25 UJ	< 10 UJ	< 10	< 10	< 10	< 10	< 10
GW-60D	921117	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-60S	920811	< 10	< 10	< 10	< 25	< 25 UJ	< 10 UJ	< 10	< 10	< 10	< 10	< 10
GW-60S	921117	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-61BR	921218	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-61D	920812	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-61D	921113	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-61S	920812	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-61S	921113	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-62BR	920813	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-62BR	921119	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-62BRD	930107	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-62D	920811	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-62D	921116	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-62M	920811	< 10	< 10	< 10	< 25	< 25 UJ	< 10 UJ	< 10	< 10	< 10	< 10	< 10
GW-62M	921116	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-62S	920811	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-62S	921116	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-63D	920812	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-63D	921118	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-63S	920812	< 10	< 10	< 10	< 30	< 30	< 10	< 10	< 10	< 10	< 10	< 10
GW-63S	921118	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-64D	920812	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-64D	920812	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-64D	921118	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-64S	920812	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-64S	921118	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-65D	920813	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-65D	921118	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	4CANIL	4CLPPE	4MP	4NANIL	4NP	ANAPNE	ANAPYL	ANTRC	BAANTR	BAPYR	BBFANT
GW-65S	920813	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-65S	921118	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-65S	921118	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-66D	920811	< 10	< 10	< 10	< 25	< 25 UJ	< 10 UJ	< 10	< 10	< 10	< 10	< 10
GW-66D	921112	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-66S	920811	< 10	< 10	< 10	< 25	< 25 UJ	< 10 UJ	< 10	< 10	< 10	< 10	< 10
GW-66S	921112	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-67D	921113	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-67S	921113	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-68BR	921217	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-68D	920806	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-68D	921111	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-69D	920806	< 10 UJ	2 J	< 10 R	< 25 UJ	6 J	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-69D	921116	< 10 UJ	2 J	< 10 UJ	< 25 UJ	24 J	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-69S	920806	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-69S	921116	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-70D	920810	< 10	< 10	9	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-70D	921112	< 10	< 10	33	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-70S	920810	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-70S	921112	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-71D	921217	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-71S	921217	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-72D	921117	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-73D	930420	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-73S	930420	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-74D	930420	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-74S	930420	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-75D	930507	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
GW-75S	930507	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
IW-04	920812	< 10	< 10	< 10	< 25	3	< 10	< 10	< 10	< 10	< 10	< 10
IW-04	921110	10	< 10	5 J	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	4CANIL	4CLPPE	4MP	4NANIL	4NP	ANAPNE	ANAPYL	ANTRC	BAANTR	BAPYR	BBFANT
IW-11	920812	< 60 UJ	< 60 UJ	12 J	< 100 UJ	< 100 R	< 60 UJ	< 60 UJ	< 60 UJ	< 60 UJ	< 60 UJ	< 60 UJ
IW-11	921110	< 3000	< 3000	< 3000	< 8000	< 8000	< 3000	< 3000	< 3000	< 3000	< 3000	< 3000
SL-01D	920810	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SL-01D	921109	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SL-01S	920810	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SL-06	920806	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SL-06	921109	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	BGHIPY	BKFANT	BENZOA	BZALC	B2CEXM	B2CLEE	B2CIPE	B2EHP	BBZP	CHRY	DNBP
B-03	920812	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 370 U	< 10	< 10	< 10
B-03	921110	< 10	< 10	< 50	< 10	< 10	< 10	< 10	290 B	< 10	< 10	< 10
BR-01	921119	< 10	< 10	< 50	< 10	< 10	< 10	< 10	150 B	< 10	< 10	< 10
GW-03D	921105	< 10	< 10	< 50	< 10	< 10	< 10	< 10	3 J	< 10	< 10	< 10
GW-03S	921105	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-04	920805	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-04	921105	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-04D	920805	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-04D	921105	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-06D	920804	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-06D	921103	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-06S	920804	< 10 UJ	< 10 UJ	< 50 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-06S	921103	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-10D	920810	< 10	< 10	20	1	< 10	< 10	< 10	2	< 10	< 10	< 10
GW-10D	921109	< 10	< 10	42 J	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-10S	920810	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-10S	921112	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-11	921109	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-12	920810	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-12	921111	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-17D	920805	< 10 UJ	< 10 UJ	< 50 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-17D	921103	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 13 U	< 10	< 10	< 10
GW-17S	921103	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-18D	920806	< 10	< 10	< 50	< 10	< 10	< 10	< 10	4	< 10	< 10	< 10
GW-18D	921109	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-19D	920804	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-19D	921109	< 10	< 10	6 J	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	2 J
GW-19D	921109	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	1 J
GW-21D	921106	< 10	< 10	< 50	< 10	< 10	< 10	< 10	3 J	< 10	< 10	< 10
GW-21S	921106	< 10	< 10	< 50	< 10	< 10	< 10	< 10	2 J	< 10	< 10	< 10
GW-22D	920812	< 10 UJ	< 10 UJ	< 50 UJ	9 J	< 10 UJ	< 10 UJ	< 10 UJ	< 32 UJ	< 10 UJ	< 10 UJ	< 10 UJ

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	BGHIPY	BKFANT	BENZOA	BZALC	B2CEXM	B2CLEE	B2CIPE	B2EHP	BBZP	CHRY	DNBP
GW-22D	921105	< 10	< 10	< 50	9 J	< 10	< 10	< 10	6 J	< 10	< 10	< 10
GW-22S	920812	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 26 U	< 10	< 10	< 10
GW-22S	921105	< 10	< 10	< 50	< 10	< 10	< 10	< 10	6 J	< 10	< 10	< 10
GW-25	920810	< 10 R	< 10 R	< 50 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R
GW-25	921116	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-26	920810	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-26	921113	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 14 U	< 10	< 10	< 10
GW-27D	920812	< 10	< 10	< 50	< 10	< 10	< 10	< 10	180	< 10	< 10	< 10
GW-27D	921109	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-27S	920812	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-27S	921109	< 10	< 10	2 J	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-28D	920810	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-28D	921106	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-28S	920810	< 20	< 20	< 100	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
GW-28S	921106	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-29D	920810	< 10	< 10	< 50	< 10	< 10	< 10	< 10	6	< 10	< 10	< 10
GW-29D	921106	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-29S	920810	< 10 R	< 10 R	< 50 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R
GW-29S	921106	< 10	< 10	1 J	< 10	< 10	< 10	< 10	29 B	< 10	< 10	< 10
GW-30DR	920804	< 10 UJ	< 10 UJ	13 J	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 15 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-30DR	921109	< 10	< 10	14 J	5 J	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-31D	920803	< 10	< 10	< 50	< 10	< 10	< 10	< 10	70	< 10	< 10	< 10
GW-31D	921102	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-31S	920803	< 10	< 10	< 50	< 10	< 10	< 10	< 10	2	< 10	< 10	< 10
GW-31S	921102	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-32D	920803	< 10	< 10	< 50	< 10	< 10	< 10	< 10	2	< 10	< 10	< 10
GW-32D	921102	< 10	< 10	3 J	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-32S	920803	< 10	< 10	< 50	< 10	< 10	< 10	< 10	1	< 10	< 10	< 10
GW-32S	921102	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-33D	920803	< 10 UJ	< 10 UJ	< 50 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-33D	921103	< 10	< 10	1 J	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	BGHIPY	BKFANT	BENZOA	BZALC	B2CEXM	B2CLEE	B2CIPE	B2EHP	BBZP	CHRY	DNBP
GW-33S	920803	< 10 UJ	< 10 UJ	< 50 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-33S	921103	< 10	< 10	5 J	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-34D	920804	< 10 UJ	< 10 UJ	6 J	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-34D	921105	< 10	< 10	< 50	2 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-34S	920804	< 10 UJ	< 10 UJ	< 50 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-34S	921105	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-35D	920804	< 10 R	< 10 R	< 50 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R
GW-35D	921105	< 10	< 10	< 50	2 J	< 10	< 10	< 10	3 J	< 10	< 10	< 10
GW-35S	920804	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-35S	921105	< 10	< 10	< 50	< 10	< 10	< 10	< 10	5 J	< 10	< 10	< 10
GW-36	920811	< 10	< 10	12	3	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-36	921116	< 10	< 10	5 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-37	920811	< 10 UJ	< 10 UJ	< 50 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-37	921116	< 10	< 10	3 J	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-38	920804	< 10 UJ	< 10 UJ	2 J	3 J	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-38	921109	< 10	< 10	4 J	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-39	920806	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-39	921111	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-40D	920811	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-40D	920811	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-40D	921111	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-40S	920811	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-40S	921111	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-42D	920805	< 10 UJ	< 10	14 J	1 J	< 10	< 10	< 10	< 26 UJ	< 10 UJ	< 10 UJ	< 10
GW-42D	920805	< 10	< 10 UJ	< 50 UJ	3 J	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10	< 10	< 10 UJ
GW-42D	921111	< 10	< 10	< 50	3 J	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-42D	921111	< 10	< 10	< 50	2 J	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-42S	920805	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-42S	921111	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-43D	920805	< 10	< 10	< 50 UJ	1	< 10 UJ	< 10 UJ	< 10 UJ	< 10	< 10 UJ	< 10 UJ	1 J
GW-43D	920805	< 10 UJ	< 10 UJ	< 50	1 J	< 10	< 10	< 10	< 10 UJ	< 10	< 10	< 10 UJ

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	BGHIPY	BKFANT	BENZOA	BZALC	B2CEXM	B2CLEE	B2CIPE	B2EHP	BBZP	CHRY	DNBP
GW-43D	921111	< 10	< 10	< 50	2 J	< 10	< 10	< 10	< 10 U	< 10	< 10	2 J
GW-43D	921111	< 10	< 10	< 50	1 J	< 10	< 10	< 10	< 10 U	< 10	< 10	2 J
GW-43S	920805	< 10 UJ	< 10 UJ	< 50 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-43S	921111	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-44D	920812	< 10 UJ	< 10 UJ	< 50 UJ	3 J	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-44D	921110	< 10	< 10	41 J	4 J	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-44S	920812	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 15 U	< 10	< 10	< 10
GW-44S	921110	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-45D	920810	< 10	< 10	10	2	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-45D	921112	< 10	< 10	< 50	4 J	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-45S	920810	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-45S	921112	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-46D	920811	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-46D	921117	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-47	920813	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-47	921118	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-48D	920812	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-48D	921117	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-48S	920812	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-48S	921117	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-49D	920812	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-49D	921116	< 10	< 10	31 J	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-50D	920805	< 10 UJ	< 10 UJ	< 50 UJ	< 10	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10	< 10
GW-50D	920805	< 10	< 10	< 50	< 10 UJ	< 10	< 10	< 10	3 J	< 10	< 10 UJ	< 10 UJ
GW-50D	921104	< 10	< 10	< 50	< 10	< 10	< 10	< 10	1 J	< 10	< 10	< 10
GW-50D	921104	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-50S	920806	< 10 UJ	< 10 UJ	< 50 R	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-50S	921104	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-51D	920805	< 10 UJ	< 10 UJ	< 50 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-51D	921103	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-51S	920805	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	BGHIPY	BKFANT	BENZOA	BZALC	B2CEXM	B2CLEE	B2CIPE	B2EHP	BBZP	CHRY	DNBP
GW-51S	921103	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-52D	920804	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-52D	921103	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-52S	920804	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-52S	921103	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-53D	920804	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-53D	921103	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	1 J
GW-53S	920804	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-53S	921103	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-54D	920803	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-54D	921103	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-54S	920803	< 10	< 10	< 50	< 10	< 10	< 10	< 10	5	< 10	< 10	< 10
GW-54S	921103	< 10	< 10	20 J	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-55D	920805	< 10 UJ	< 10 UJ	< 50 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-55D	921102	< 10	< 10	2 J	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-55S	920805	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-55S	921102	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-56D	920806	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-56D	921102	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-56S	920806	< 10	< 10	< 50	< 10	< 10	< 10	< 10	1	< 10	< 10	< 10
GW-56S	921102	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-57D	920806	< 10 UJ	< 10 UJ	< 50 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	2 J	< 10 UJ	< 10 UJ	< 10 UJ
GW-57D	921117	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-58D	920811	< 10 UJ	< 10 UJ	< 50	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	19 J	< 10 UJ	< 10 UJ	< 10 UJ
GW-58D	921112	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-58S	920811	< 10 UJ	< 10 UJ	< 50 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-58S	921112	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-59D	920806	< 10	< 10	< 50	5	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-59D	920806	< 10	< 10	61	6	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-59D	921110	< 10	< 10	27 J	6 J	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-59D	921110	< 10	< 10	< 50	4 J	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	BGHIPY	BKFANT	BENZOA	BZALC	B2CEXM	B2CLEE	B2CIPE	B2EHP	BBZP	CHRY	DNBP
GW-59S	920806	< 10 UJ	< 10 UJ	< 50 R	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	1 J	< 10 UJ	< 10 UJ	< 10 UJ
GW-59S	921110	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-60D	920811	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-60D	921117	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-60S	920811	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-60S	921117	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-61BR	921218	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-61D	920812	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-61D	921113	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-61S	920812	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-61S	921113	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-62BR	920813	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 27 U	< 10	< 10	< 10
GW-62BR	921119	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-62BRD	930107	< 10	< 10	< 50	< 10	< 10	< 10	< 10	2 J	< 10	< 10	< 10
GW-62D	920811	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-62D	921116	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-62M	920811	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-62M	921116	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-62S	920811	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-62S	921116	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-63D	920812	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-63D	921118	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-63S	920812	< 10	< 10	< 60	< 10	< 10	< 10	< 10	64	< 10	< 10	< 10
GW-63S	921118	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-64D	920812	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-64D	920812	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-64D	921118	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-64S	920812	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-64S	921118	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-65D	920813	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-65D	921118	< 10	< 10	< 50	< 10	< 10	< 10	< 10	14 B	< 10	< 10	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	BGHIPY	BKFANT	BENZOA	BZALC	B2CEXM	B2CLEE	B2CIPE	B2EHP	BBZP	CHRY	DNBP
GW-65S	920813	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-65S	921118	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-65S	921118	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-66D	920811	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-66D	921112	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-66S	920811	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-66S	921112	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-67D	921113	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-67S	921113	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-68BR	921217	< 10	< 10	< 50	< 10	< 10	< 10	< 10	2 J	< 10	< 10	< 10
GW-68D	920806	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-68D	921111	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-69D	920806	< 10 UJ	< 10 UJ	< 50 R	6 J	< 10 UJ	< 10 UJ	< 10 UJ	3 J	< 10 UJ	< 10 UJ	< 10 UJ
GW-69D	921116	< 10 UJ	< 10 UJ	< 50 UJ	8 J	< 10 UJ	< 10 UJ	< 10 UJ	< 10 U	< 10 UJ	< 10 UJ	< 10 UJ
GW-69S	920806	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-69S	921116	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-70D	920810	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-70D	921112	< 10	< 10	< 50	2 J	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-70S	920810	< 10 UJ	< 10 UJ	< 50 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-70S	921112	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-71D	921217	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-71S	921217	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-72D	921117	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
GW-73D	930420	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-73S	930420	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-74D	930420	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-74S	930420	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-75D	930507	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-75S	930507	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
IW-04	920812	< 10	< 10	6	< 10	< 10	< 10	< 10	< 70 U	< 10	< 10	< 10
IW-04	921110	< 10	< 10	< 50	< 10	< 10	< 10	< 10	260 B	< 10	< 10	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	BGHIPY	BKFANT	BENZOA	BZALC	B2CEXM	B2CLEE	B2CIPE	B2EHP	BBZP	CHRY	DNBP
IW-11	920812	< 60 UJ	< 60 UJ	< 300 R	< 60 UJ	< 60 UJ	< 60 UJ	< 60 UJ	190000 J	< 60 UJ	< 60 UJ	< 60 UJ
IW-11	921110	< 3000	< 3000	< 20000	< 3000	< 3000	< 3000	< 3000	5500000 B	< 3000 U	< 3000	< 3000
SL-01D	920810	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
SL-01D	921109	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
SL-01S	920810	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SL-06	920806	< 10	< 10	< 50	< 10	< 10	< 10	< 10	1	< 10	< 10	< 10
SL-06	921109	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	DNOP	DBAHA	DBZFUR	DEP	DMP	FANT	FLRENE	CL6BZ	HCBD	CL6CP	CL6ET
B-03	920812	1	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
B-03	921110	1 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
BR-01	921119	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-03D	921105	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-03S	921105	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-04	920805	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-04	921105	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-04D	920805	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-04D	921105	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-06D	920804	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-06D	921103	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-06S	920804	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-06S	921103	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-10D	920810	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-10D	921109	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-10S	920810	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-10S	921112	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-11	921109	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-12	920810	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-12	921111	1 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-17D	920805	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-17D	921103	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-17S	921103	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-18D	920806	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-18D	921109	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-19D	920804	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-19D	921109	< 10	< 10	2 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-19D	921109	< 10	< 10	1 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-21D	921106	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-21S	921106	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-22D	920812	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	DNOP	DBAHA	DBZFUR	DEP	DMP	FANT	FLRENE	CL6BZ	HCBD	CL6CP	CL6ET
GW-22D	921105	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-22S	920812	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-22S	921105	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-25	920810	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R
GW-25	921116	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-26	920810	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-26	921113	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-27D	920812	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-27D	921109	< 10	< 10	1 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-27S	920812	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-27S	921109	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-28D	920810	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-28D	921106	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-28S	920810	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
GW-28S	921106	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-29D	920810	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-29D	921106	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-29S	920810	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R
GW-29S	921106	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-30DR	920804	< 10 UJ	< 10 UJ	2 J	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-30DR	921109	< 10	< 10	2 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-31D	920803	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-31D	921102	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-31S	920803	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-31S	921102	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-32D	920803	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-32D	921102	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-32S	920803	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-32S	921102	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-33D	920803	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-33D	921103	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	DNOP	DBAHA	DBZFUR	DEP	DMP	FANT	FLRENE	CL6BZ	HCBD	CL6CP	CL6ET
GW-33S	920803	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-33S	921103	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-34D	920804	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-34D	921105	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-34S	920804	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-34S	921105	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-35D	920804	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R
GW-35D	921105	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-35S	920804	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-35S	921105	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-36	920811	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-36	921116	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-37	920811	< 10 UJ	< 10 UJ	1 J	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-37	921116	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-38	920804	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-38	921109	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-39	920806	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-39	921111	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-40D	920811	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-40D	920811	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-40D	921111	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-40S	920811	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-40S	921111	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-42D	920805	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10	< 10	< 10	< 10	< 10	< 10 UJ	< 10 UJ
GW-42D	920805	< 10	< 10	< 10	< 10	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10	< 10
GW-42D	921111	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-42D	921111	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-42S	920805	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-42S	921111	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-43D	920805	< 10	< 10	< 10	< 10	< 10 UJ	< 10	< 10	< 10	< 10	< 10 UJ	< 10
GW-43D	920805	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10	< 10 UJ

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	DNOP	DBAHA	DBZFUR	DEP	DMP	FANT	FLRENE	CL6BZ	HCBD	CL6CP	CL6ET
GW-43D	921111	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-43D	921111	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-43S	920805	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-43S	921111	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-44D	920812	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-44D	921110	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-44S	920812	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-44S	921110	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-45D	920810	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-45D	921112	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-45S	920810	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-45S	921112	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-46D	920811	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-46D	921117	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-47	920813	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-47	921118	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-48D	920812	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-48D	921117	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-48S	920812	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-48S	921117	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-49D	920812	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-49D	921116	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-50D	920805	< 10 UJ	< 10 UJ	< 10 UJ	< 10	< 10 UJ	< 10 UJ	< 10	< 10	< 10	< 10 UJ	< 10
GW-50D	920805	< 10	< 10	< 10	< 10 UJ	< 10	< 10	< 10 UJ	< 10 UJ	< 10 UJ	< 10	< 10 UJ
GW-50D	921104	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-50D	921104	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-50S	920806	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-50S	921104	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-51D	920805	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-51D	921103	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-51S	920805	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	DNOP	DBAHA	DBZFUR	DEP	DMP	FANT	FLRENE	CL6BZ	HCBD	CL6CP	CL6ET
GW-51S	921103	< 10	< 10	1 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-52D	920804	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-52D	921103	< 10	< 10	2 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-52S	920804	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-52S	921103	< 10	< 10	2 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-53D	920804	< 10	< 10	< 10	1	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-53D	921103	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-53S	920804	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-53S	921103	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-54D	920803	< 10	< 10	< 10	1	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-54D	921103	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-54S	920803	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-54S	921103	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-55D	920805	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-55D	921102	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-55S	920805	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-55S	921102	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-56D	920806	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-56D	921102	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-56S	920806	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-56S	921102	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-57D	920806	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-57D	921117	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-58D	920811	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-58D	921112	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-58S	920811	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-58S	921112	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-59D	920806	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-59D	920806	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-59D	921110	1 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-59D	921110	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	DNOP	DBAHA	DBZFUR	DEP	DMP	FANT	FLRENE	CL6BZ	HCBD	CL6CP	CL6ET
GW-59S	920806	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-59S	921110	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-60D	920811	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-60D	921117	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-60S	920811	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-60S	921117	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-61BR	921218	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-61D	920812	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-61D	921113	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-61S	920812	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-61S	921113	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-62BR	920813	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-62BR	921119	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-62BRD	930107	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-62D	920811	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-62D	921116	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-62M	920811	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-62M	921116	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-62S	920811	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-62S	921116	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-63D	920812	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-63D	921118	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-63S	920812	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-63S	921118	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-64D	920812	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-64D	920812	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-64D	921118	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-64S	920812	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-64S	921118	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-65D	920813	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-65D	921118	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	DNOP	DBAHA	DBZFUR	DEP	DMP	FANT	FLRENE	CL6BZ	HCBD	CL6CP	CL6ET
GW-65S	920813	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-65S	921118	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-65S	921118	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-66D	920811	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-66D	921112	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-66S	920811	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-66S	921112	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-67D	921113	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-67S	921113	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-68BR	921217	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-68D	920806	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-68D	921111	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-69D	920806	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-69D	921116	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-69S	920806	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-69S	921116	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-70D	920810	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-70D	921112	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-70S	920810	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-70S	921112	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-71D	921217	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-71S	921217	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-72D	921117	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-73D	930420	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-73S	930420	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-74D	930420	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-74S	930420	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-75D	930507	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
GW-75S	930507	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
IW-04	920812	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
IW-04	921110	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	DNOP	DBAHA	DBZFUR	DEP	DMP	FANT	FLRENE	CL6BZ	HCBD	CL6CP	CL6ET
IW-11	920812	6400 J	< 60 UJ	< 60 UJ	< 60 UJ	< 60 UJ	< 60 UJ	19 J	< 60 UJ	< 60 UJ	< 60 UJ	< 60 UJ
IW-11	921110	4500	< 3000	< 3000	< 3000	< 3000	< 3000	< 3000	< 3000	< 3000	< 3000	< 3000
SL-01D	920810	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SL-01D	921109	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SL-01S	920810	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SL-06	920806	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SL-06	921109	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	ICDPYR	ISOPHR	NNDNPA	NNDPA	NAP	NB	PCP	PHANTR	PHENOL	PYR
B-03	920812	< 10	< 10	< 10	< 160 U	< 10	< 10	< 25	< 10	< 10	< 10
B-03	921110	< 10	< 10	< 10	500	< 10	< 10	< 25	< 10	< 10	< 10
BR-01	921119	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-03D	921105	< 10	< 10	< 10	< 10	< 10	< 10	< 25 UJ	< 10	< 10	< 10
GW-03S	921105	< 10	< 10	< 10	< 10	< 10	< 10	< 25 UJ	< 10	< 10	< 10
GW-04	920805	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-04	921105	< 10	< 10	< 10	< 10	< 10	< 10	< 25 UJ	< 10	< 10	< 10
GW-04D	920805	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-04D	921105	< 10	< 10	< 10	< 10	< 10	< 10	< 25 UJ	< 10	< 10	< 10
GW-06D	920804	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-06D	921103	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-06S	920804	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-06S	921103	< 10	< 10	< 10	< 10	< 10	< 10	< 25 UJ	< 10	< 10	< 10
GW-10D	920810	< 10	2	< 10	2	< 10	< 10	< 25	< 10	6	< 10
GW-10D	921109	< 10	2 J	< 10	3 J	3 J	< 10	< 25	< 10	< 10	< 10
GW-10S	920810	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-10S	921112	< 10	< 10	< 10	1 J	< 10	< 10	< 25	< 10	< 10	< 10
GW-11	921109	< 10	< 10	< 10	130	< 10	< 10	< 25	< 10	2 J	< 10
GW-12	920810	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-12	921111	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-17D	920805	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-17D	921103	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-17S	921103	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-18D	920806	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-18D	921109	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-19D	920804	< 10	< 10	< 10	4	< 10	< 10	< 25	< 10	< 10	< 10
GW-19D	921109	< 10	< 10	< 10	8 J	1 J	< 10	< 25	< 10	3 J	< 10
GW-19D	921109	< 10	< 10	< 10	8 J	1 J	< 10	< 25	< 10	< 10	< 10
GW-21D	921106	< 10	< 10	< 10	< 10	< 10	< 10	< 25 UJ	< 10	< 10	< 10
GW-21S	921106	< 10	< 10	< 10	< 10	< 10	< 10	< 25 UJ	< 10	< 10	< 10
GW-22D	920812	< 10 UJ	4 J	< 10 UJ	< 10 UJ		< 10 UJ	< 25 UJ	< 10 UJ	7 J	< 10 UJ

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	ICDPYR	ISOPHR	NNDNPA	NNDPA	NAP	NB	PCP	PHANTR	PHENOL	PYR
GW-22D	921105	< 10	< 10	< 10	< 10	79	< 10	< 25 UJ	< 10	150	< 10
GW-22S	920812	< 10	< 10	< 10	3	< 10	< 10	< 25	< 10	< 10	< 10
GW-22S	921105	< 10	< 10	< 10	2 J	< 10	< 10	< 25 UJ	< 10	2 J	< 10
GW-25	920810	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 25 R	< 10 R	< 10 R	< 10 R
GW-25	921116	< 10	< 10	< 10	8 J	< 10	< 10	< 25	< 10	< 10	< 10
GW-26	920810	< 10	< 10	< 10	74	< 10	< 10	< 25	< 10	< 10	< 10
GW-26	921113	< 10	< 10	< 10	69	< 10	< 10	< 25	< 10	< 10	< 10
GW-27D	920812	< 10	< 10	< 10	< 10	1	< 10	< 25	< 10	3	< 10
GW-27D	921109	< 10	< 10	< 10	3 J	6 J	< 10	< 25	< 10	26 J	< 10
GW-27S	920812	< 10	< 10	< 10	2	< 10	< 10	< 25	< 10	3	< 10
GW-27S	921109	< 10	< 10	< 10	4 J	< 10	< 10	< 25	< 10	< 10	< 10
GW-28D	920810	< 10	< 10	< 10	2	< 10	< 10	< 25	< 10	< 10	< 10
GW-28D	921106	< 10	< 10	< 10	4 J	< 10	< 10	< 25	< 10	< 10	< 10
GW-28S	920810	< 20	< 20	< 20	1	< 20	< 20	< 50	< 20	< 20 UJ	< 20
GW-28S	921106	< 10	< 10	< 10	2 J	< 10	< 10	< 25	< 10	< 10	< 10
GW-29D	920810	< 10	< 10	< 10	440	< 10	< 10	< 25	< 10	< 10	< 10
GW-29D	921106	< 10	< 10	< 10	350	< 10	< 10	< 25 UJ	< 10	2 J	< 10
GW-29S	920810	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 25 R	< 10 R	< 10 R	< 10 R
GW-29S	921106	< 10	< 10	< 10	< 10	< 10	< 10	< 25 UJ	< 10	< 10	< 10
GW-30DR	920804	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	2 J	< 10 UJ	< 25 UJ	< 10 UJ	1000 J	< 10 UJ
GW-30DR	921109	< 10	< 10	< 10	< 10	88	< 10	< 25	< 10	1000 J	< 10
GW-31D	920803	< 10	< 10	< 10	3	< 10	< 10	< 25	< 10	< 10	< 10
GW-31D	921102	< 10	< 10	< 10	3 J	< 10	< 10	< 25	< 10	< 10	< 10
GW-31S	920803	< 10	< 10	< 10	1	< 10	< 10	< 25	< 10	< 10	< 10
GW-31S	921102	< 10	< 10	< 10	1 J	< 10	< 10	< 25	< 10	< 10	< 10
GW-32D	920803	< 10	< 10	< 10	8	< 10	< 10	< 25	< 10	< 10	< 10
GW-32D	921102	< 10	< 10	< 10	11	< 10	< 10	< 25	< 10	< 10	< 10
GW-32S	920803	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-32S	921102	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-33D	920803	< 10 UJ	< 10 UJ	< 10 UJ	3 J	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	6 J	< 10 UJ
GW-33D	921103	< 10	< 10	< 10	670	< 10	< 10	< 25	< 10	2 J	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	ICDPYR	ISOPHR	NNDNPA	NNDPA	NAP	NB	PCP	PHANTR	PHENOL	PYR
GW-33S	920803	< 10 UJ	< 10 UJ	< 10 UJ	110 J	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-33S	921103	< 10	< 10	< 10	380	< 10	< 10	< 25	< 10	2 J	< 10
GW-34D	920804	< 10 UJ	2 J	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-34D	921105	< 10	5 J	< 10	4 J	< 10	< 10	< 25 UJ	< 10	< 10	< 10
GW-34S	920804	< 10 UJ	< 10 UJ	< 10 UJ	15 J	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-34S	921105	< 10	< 10	< 10	31	< 10	< 10	< 25 UJ	< 10	< 10	< 10
GW-35D	920804	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 10 R	< 25 R	< 10 R	39 J	< 10 R
GW-35D	921105	< 10	8 J	< 10	< 10	1 J	< 10	< 25 UJ	< 10	< 10	< 10
GW-35S	920804	< 10	< 10	< 10	17	< 10	< 10	< 25	< 10	140	< 10 UJ
GW-35S	921105	< 10	< 10	< 10	62	< 10	< 10	< 25 UJ	< 10	900	< 10
GW-36	920811	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	1300	< 10
GW-36	921116	< 10	< 10	< 10	< 10	69	< 10	< 25	< 10	1200 B	< 10
GW-37	920811	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	45 J	< 10 UJ	< 25 UJ	< 10 UJ	1100 J	< 10 UJ
GW-37	921116	< 10	< 10	< 10	< 10	63	< 10	< 25	< 10	1000 B	< 10
GW-38	920804	< 10 UJ	< 10 UJ	< 10 UJ	1 J	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	360 J	< 10 UJ
GW-38	921109	< 10	< 10	< 10	< 10	49	< 10	< 25	< 10	500 J	< 10
GW-39	920806	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-39	921111	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-40D	920811	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10 UJ	< 10
GW-40D	920811	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10 UJ	< 10
GW-40D	921111	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-40S	920811	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10 UJ	< 10
GW-40S	921111	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-42D	920805	< 10 UJ	< 10 UJ	< 10 UJ	< 10	1 J	< 10 UJ	< 30 UJ	< 10	380	< 10
GW-42D	920805	< 10	< 10	< 10	< 10 UJ	< 10 UJ	< 10	< 25	< 10 UJ	580 J	< 10 UJ
GW-42D	921111	< 10	< 10	< 10	< 10	42	< 10	< 25	< 10	590 J	< 10
GW-42D	921111	< 10	< 10	< 10	< 10	68	< 10	< 25	< 10	640	< 10
GW-42S	920805	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-42S	921111	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-43D	920805	< 10	1 J	< 10 UJ	3 J	2	< 10	< 25 UJ	< 10 UJ	67 J	< 10 UJ
GW-43D	920805	< 10 UJ	< 10 UJ	< 10	2	3 J	< 10 UJ	< 25	< 10	40 J	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	ICDPYR	ISOPHR	NNDNPA	NNDPA	NAP	NB	PCP	PHANTR	PHENOL	PYR
GW-43D	921111	< 10	2 J	< 10	5 J	5 J	< 10	< 25	< 10	89 B	< 10
GW-43D	921111	< 10	1 J	< 10	4 J	5 J	< 10	< 25	< 10	81	< 10
GW-43S	920805	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-43S	921111	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-44D	920812	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	13 J	< 10 UJ	< 25 UJ	< 10 UJ	600 J	< 10 UJ
GW-44D	921110	< 10	< 10	< 10	< 10	15	< 10	< 25	< 10	600 B	< 10
GW-44S	920812	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-44S	921110	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-45D	920810	< 10	< 10	< 10	< 10	2	< 10	< 25	< 10	300	< 10
GW-45D	921112	< 10	< 10	< 10	< 10	8 J	< 10	< 25	< 10	620	< 10
GW-45S	920810	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-45S	921112	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-46D	920811	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-46D	921117	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-47	920813	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-47	921118	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-48D	920812	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-48D	921117	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-48S	920812	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-48S	921117	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-49D	920812	< 10	< 10	< 10	< 10	11	< 10	< 25	< 10	15	< 10
GW-49D	921116	< 10	< 10	< 10	< 10	8 J	< 10	< 25	< 10	< 10 U	< 10
GW-50D	920805	< 10	< 10	< 10 UJ	< 10 UJ	1	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 10
GW-50D	920805	< 10 UJ	< 10 UJ	< 10	< 10	1 J	< 10	< 25 UJ	< 10	< 10	< 10 UJ
GW-50D	921104	< 10	< 10	< 10	< 10	1 J	< 10	< 25 UJ	< 10	< 10	< 10
GW-50D	921104	< 10	< 10	< 10	< 10	2 J	< 10	< 25 UJ	< 10	< 10	< 10
GW-50S	920806	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 R	< 10 UJ	< 10 R	< 10 UJ
GW-50S	921104	< 10	< 10	< 10	< 10	< 10	< 10	< 25 UJ	< 10	< 10	< 10
GW-51D	920805	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	5 J	< 10 UJ
GW-51D	921103	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-51S	920805	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	ICDPYR	ISOPHR	NNDNPA	NNDPA	NAP	NB	PCP	PHANTR	PHENOL	PYR
GW-51S	921103	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-52D	920804	< 10	< 10	< 10	4	< 10	< 10	< 25	< 10	< 10	< 10
GW-52D	921103	< 10	< 10	< 10	13	< 10	< 10	< 25	< 10	2 J	< 10
GW-52S	920804	< 10	< 10	< 10	1	< 10	< 10	< 25	< 10	< 10	< 10
GW-52S	921103	< 10	< 10	< 10	5 J	< 10	< 10	< 25	< 10	1 J	< 10
GW-53D	920804	< 10	< 10	< 10	14	< 10	< 10	< 25	< 10	< 10	< 10
GW-53D	921103	< 10	< 10	< 10	38	< 10	< 10	< 25	< 10	< 10	< 10
GW-53S	920804	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-53S	921103	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-54D	920803	< 10	< 10	< 10	7	< 10	< 10	< 25	< 10	< 10	< 10 UJ
GW-54D	921103	< 10	< 10	< 10	39	< 10	< 10	< 25	< 10	2 J	< 10
GW-54S	920803	< 10	< 10	< 10	2	< 10	< 10	< 25	< 10	< 10	< 10
GW-54S	921103	< 10	< 10	< 10	2 J	< 10	< 10	< 25	< 10	3 J	< 10
GW-55D	920805	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	3 J	< 10 UJ	< 25 UJ	< 10 UJ	52 J	< 10 UJ
GW-55D	921102	< 10	< 10	< 10	1 J	3 J	< 10	< 25	< 10	87	< 10
GW-55S	920805	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-55S	921102	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	2 J	< 10
GW-56D	920806	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-56D	921102	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-56S	920806	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-56S	921102	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-57D	920806	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-57D	921117	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-58D	920811	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 R	< 10 UJ	< 10	< 10 UJ
GW-58D	921112	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	5 J	< 10
GW-58S	920811	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 10 UJ
GW-58S	921112	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-59D	920806	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	1600	< 10
GW-59D	920806	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	1300	< 10
GW-59D	921110	< 10	< 10	< 10	< 10	11	< 10	< 25	< 10	1200 B	< 10
GW-59D	921110	< 10	< 10	< 10	< 10	7 J	< 10	< 25	< 10	1300	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	ICDPYR	ISOPHR	NNDNPA	NNDPA	NAP	NB	PCP	PHANTR	PHENOL	PYR
GW-59S	920806	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 R	< 10 UJ	< 10 R	< 10 UJ
GW-59S	921110	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-60D	920811	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10 UJ	< 10
GW-60D	921117	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-60S	920811	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10 UJ	< 10
GW-60S	921117	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-61BR	921218	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-61D	920812	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-61D	921113	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-61S	920812	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-61S	921113	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-62BR	920813	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-62BR	921119	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-62BRD	930107	< 10	< 10	< 10	< 10	2 J	< 10	< 25	< 10	< 10	< 10
GW-62D	920811	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-62D	921116	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-62M	920811	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10 UJ	< 10
GW-62M	921116	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-62S	920811	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-62S	921116	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-63D	920812	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	1	< 10
GW-63D	921118	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-63S	920812	< 10	< 10	< 10	< 10	< 10	< 10	< 30	< 10	< 10	< 10
GW-63S	921118	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-64D	920812	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-64D	920812	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-64D	921118	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-64S	920812	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-64S	921118	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-65D	920813	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-65D	921118	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	ICDPYR	ISOPHR	NNDNPA	NNDPA	NAP	NB	PCP	PHANTR	PHENOL	PYR
GW-65S	920813	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-65S	921118	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-65S	921118	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-66D	920811	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10 UJ	< 10
GW-66D	921112	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-66S	920811	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10 UJ	< 10
GW-66S	921112	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-67D	921113	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-67S	921113	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-68BR	921217	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-68D	920806	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-68D	921111	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-69D	920806	< 10 UJ	2 J	< 10 UJ	< 10 UJ	1 J	< 10 UJ	< 25 R	< 10 UJ	2 J	< 10 UJ
GW-69D	921116	< 10 UJ	3 J	< 10 UJ	< 10 UJ	3 J	< 10 UJ	< 25 UJ	< 10 UJ	< 10 U	< 10 UJ
GW-69S	920806	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-69S	921116	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-70D	920810	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	81	< 10
GW-70D	921112	< 10	< 10	< 10	< 10	4 J	< 10	< 25	< 10	280	< 10
GW-70S	920810	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UI	< 10 UJ
GW-70S	921112	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-71D	921217	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-71S	921217	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-72D	921117	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-73D	930420	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-73S	930420	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-74D	930420	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-74S	930420	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-75D	930507	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
GW-75S	930507	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
IW-04	920812	< 10	< 10	< 10	1200	< 10	< 10	< 25	< 10	< 10	< 10
IW-04	921110	< 10	< 10	< 10	1600	< 10	< 10	< 25	< 10	4 J	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	ICDPYR	ISOPHR	NNDNPA	NNDPA	NAP	NB	PCP	PHANTR	PHENOL	PYR
IW-11	920812	1400 J	< 60 UJ	< 60 UJ	14000 J	46 J	< 60 UJ	< 100 R	< 60 UJ	< 60 R	< 60 UJ
IW-11	921110	< 3000	< 3000	< 3000	470000	< 3000	< 3000	< 8000	< 3000	< 3000	< 3000
SL-01D	920810	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
SL-01D	921109	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
SL-01S	920810	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
SL-06	920806	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
SL-06	921109	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10

concentration units: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - PESTICIDE's

OLIN - WILMINGTON FACILITY

WELL	DATE	44DDD	44DDE	44DDT	ALDRN	ABHC	ACLDAN	BBHC	DBHC	DLDRN	AENSLF	BENSLF
B-03	920812	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
B-03	921110	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
BR-01	921119	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	0.058	< 0.05	< 0.1	< 0.05	< 0.1
GW-03D	921105	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	0.07	< 0.1	< 0.05	< 0.1
GW-03S	921105	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-04	920805	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-04	921105	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-04D	920805	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-04D	921105	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-06D	920804	< 0.1	< 0.1	< 0.1	< 0.05 UJ	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-06D	921103	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-06S	920804	< 0.1	< 0.1	< 0.1	< 0.05 UJ	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-06S	921103	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-10D	920810	< 0.1	< 0.1	< 0.1	< 0.05	0.08	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-10D	921109	< 0.1	< 0.1	0.1	< 0.05	0.11	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-10S	920810	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-10S	921112	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-11	921109	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-12	920810	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-12	921111	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-17D	920805	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-17D	921103	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-17S	921103	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-18D	920806	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-18D	921109	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-19D	920804	< 0.1	< 0.1	< 0.1	< 0.05 UJ	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-19D	921109	< 0.1	< 0.1	< 0.1	< 0.05	0.064	< 0.5	0.06	0.071	< 0.1	< 0.05	< 0.1
GW-19D	921109	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-21D	921106	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-21S	921106	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-22D	920812	< 0.1	< 0.1	< 0.1	< 0.05	0.13	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1

concentration: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - PESTICIDE's

OLIN - WILMINGTON FACILITY

WELL	DATE	44DDD	44DDE	44DDT	ALDRN	ABHC	ACLDAN	BBHC	DBHC	DLDRN	AENSLF	BENSLF
GW-22D	921105	< 0.1	< 0.1	< 0.1	< 0.05	0.13	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-22S	920812	< 10.0	< 10.0	< 10.0	< 5.00	< 5.00	< 50.0	< 5.00	< 5.00	< 10.0	< 5.00	< 10.0
GW-22S	921105	< 1	< 1	< 1	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 1	< 0.5	< 1
GW-25	920810	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-25	921116	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-26	920810	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-26	921113	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-27D	920812	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	0.19	< 0.1
GW-27D	921109	< 0.1	< 0.1	< 0.1	< 0.05	0.13	< 0.5	0.062	< 0.05	< 0.1	< 0.05	< 0.1
GW-27S	920812	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-27S	921109	< 0.1	< 0.1	< 0.1	0.065	< 0.05	< 0.5	< 0.05	0.14	< 0.1	0.054	< 0.1
GW-28D	920810	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-28D	921106	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-28S	920810	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-28S	921106	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-29D	920810	< 0.1	< 0.1	< 0.1	< 0.05	0.06	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-29D	921106	< 0.1	< 0.1	< 0.1	< 0.05	0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-29S	920810	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-29S	921106	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-30DR	920804	< 0.1	< 0.1	< 0.1	< 0.05 UJ	0.13	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-30DR	921109	< 0.1	< 0.1	< 0.1	< 0.05	0.3	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-31D	920803	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-31D	921102	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-31S	920803	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-31S	921102	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-32D	920803	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-32D	921102	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-32S	920803	< 0.1	< 0.1	0.2	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-32S	921117	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-33D	920803	< 0.1	< 0.1	< 0.1	< 0.05	0.13	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-33D	921103	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1

concentration: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - PESTICIDE's

OLIN - WILMINGTON FACILITY

WELL	DATE	44DDD	44DDE	44DDT	ALDRN	ABHC	ACLDAN	BBHC	DBHC	DLDRN	AENSLF	BENSLF
GW-33S	920803	< 0.1	< 0.1	< 0.1	< 0.05	0.13	< 0.5	0.10	< 0.05	< 0.1	< 0.05	< 0.1
GW-33S	921103	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-34D	920804	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-34D	921105	< 0.1	< 0.1	< 0.1	< 0.05	0.06	< 0.5	< 0.05	0.05	< 0.1	< 0.05	< 0.1
GW-34S	920804	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-34S	921105	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-35D	920804	< 0.1	< 0.1	< 0.1	< 0.05	0.08	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-35D	921105	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-35S	920804	< 0.1	< 0.1	< 0.1	< 0.05 UJ	0.15	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-35S	921105	< 1	< 1	< 1	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 1	< 0.5	< 1
GW-36	920811	< 0.1	< 0.1	< 0.1	< 0.05	0.14	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-36	921116	< 0.1	< 0.1	< 0.1	< 0.05	0.13	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-37	920811	< 0.1	< 0.1	< 0.1	< 0.05	0.26	< 0.5	0.09	< 0.05	< 0.1	< 0.05	< 0.1
GW-37	921116	< 0.1	< 0.1	< 0.1	< 0.05	0.14	< 0.5	0.059	< 0.05	< 0.1	0.052	< 0.1
GW-38	920804	< 0.1	< 0.1	< 0.1	< 0.05 UJ	0.14	< 0.5	< 0.05	< 0.05	0.1	< 0.05	< 0.1
GW-38	921109	< 0.1	< 0.1	< 0.1	< 0.05	0.098	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-39	920806	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-39	921111	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-40D	920811	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-40D	920811	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-40D	921111	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-40S	920811	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-40S	921111	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-42D	920805	< 0.1	< 0.1	< 0.1	< 0.05	0.09	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-42D	920805	< 0.1	< 0.1	< 0.1	< 0.05	0.13	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-42D	921111	< 0.1	< 0.1	< 0.1	< 0.05	0.196	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-42D	921111	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-42S	920805	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-42S	921111	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-43D	920805	< 0.1	< 0.1	< 0.1	< 0.05	0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-43D	920805	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	0.06	< 0.05	< 0.1	< 0.05	< 0.1

concentration: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - PESTICIDE's

OLIN - WILMINGTON FACILITY

WELL	DATE	44DDD	44DDE	44DDT	ALDRN	ABHC	ACLDAN	BBHC	DBHC	DLDRN	AENSLF	BENSLF
GW-43D	921111	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	0.097	< 0.05	< 0.1	< 0.05	< 0.1
GW-43D	921111	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-43S	920805	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-43S	921111	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-44D	920812	< 0.1	< 0.1	< 0.1	< 0.05	0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-44D	921110	< 0.1	< 0.1	< 0.1	< 0.05	0.073	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-44S	920812	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-44S	921110	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-45D	920810	< 0.1	< 0.1	< 0.1	< 0.05	0.13	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-45D	921112	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-45S	920810	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-45S	921112	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-46D	920811	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-46D	921117	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-47	920813	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-47	921118	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-48D	920812	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-48D	921117	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-48S	920812	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-48S	921117	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-49D	920812	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-49D	921116	< 0.1	< 0.1	0.12	< 0.05	0.05	< 0.5	0.052	< 0.05	< 0.1	< 0.05	< 0.1
GW-50D	920805	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-50D	920805	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-50D	921104	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-50D	921104	< 0.1	< 0.1	< 0.1	< 0.05	0.053	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-50S	920806	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-50S	921104	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-51D	920805	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-51D	921103	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-51S	920805	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1

concentration: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - PESTICIDE's

OLIN - WILMINGTON FACILITY

WELL	DATE	44DDD	44DDE	44DDT	ALDRN	ABHC	ACLDAN	BBHC	DBHC	DLDRN	AENSLF	BENSLF
GW-51S	921103	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	0.09	< 0.1	< 0.05	< 0.1
GW-52D	920804	< 0.1	< 0.1	< 0.1	< 0.05 UJ	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-52D	921103	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-52S	920804	< 0.1	< 0.1	< 0.1	< 0.05 UJ	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-52S	921103	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-53D	920804	< 0.1	< 0.1	< 0.1	0.10 J	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-53D	921103	< 0.1	< 0.1	< 0.1	0.069	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-53S	920804	< 0.1	< 0.1	< 0.1	< 0.05 UJ	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-53S	921103	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-54D	920803	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-54D	921103	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-54S	920803	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-54S	921103	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-55D	920805	< 0.1	< 0.1	< 0.1	< 0.05	0.06	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-55D	921102	< 0.5	< 0.5	< 0.5	< 0.3	< 0.3	< 3	< 0.3	< 0.3	< 0.5	< 0.3	< 0.5
GW-55S	920805	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-55S	921102	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-56D	920806	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-56D	921102	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-56S	920806	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-56S	921102	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-57D	920806	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-57D	921117	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-58D	920811	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-58D	921112	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-58S	920811	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-58S	921112	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-59D	920806	< 0.1	< 0.1	< 0.1	< 0.05	0.07	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-59D	920806	< 0.1	< 0.1	< 0.1	< 0.05	0.09	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-59D	921110	< 0.1	< 0.1	< 0.1	< 0.05	0.073	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-59D	921110	< 0.1	< 0.1	< 0.1	< 0.05	0.075	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1

concentration: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - PESTICIDE's

OLIN - WILMINGTON FACILITY

WELL	DATE	44DDD	44DDE	44DDT	ALDRN	ABHC	ACLDAN	BBHC	DBHC	DLDRN	AENSLF	BENSLF
GW-59S	920806	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-59S	921110	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-60D	920811	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-60D	921117	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-60S	920811	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-60S	921117	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-61BR	921218	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-61D	920812	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-61D	921113	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-61S	920812	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-61S	921113	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-62BR	920813	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-62BR	921119	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-62BRD	930107	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-62D	920811	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-62D	921116	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-62M	920811	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-62M	921116	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-62S	920811	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-62S	921116	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-63D	920812	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-63D	921118	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-63S	920812	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-63S	921118	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-64D	920812	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-64D	920812	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-64D	921118	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-64S	920812	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-64S	921118	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-65D	920813	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-65D	921118	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1

concentration: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - PESTICIDE's

OLIN - WILMINGTON FACILITY

WELL	DATE	44DDD	44DDE	44DDT	ALDRN	ABHC	ACLDAN	BBHC	DBHC	DLDRN	AENSLF	BENSLF
GW-65S	920813	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-65S	921118	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-65S	921118	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-66D	920811	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-66D	921112	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-66S	920811	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-66S	921112	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-67D	921113	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-67S	921113	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-68BR	921217	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-68D	920806	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-68D	921111	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-69D	920806	< 0.1	< 0.1	< 0.1	< 0.05	0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-69D	921116	0.1	< 0.1	< 0.1	< 0.05	0.094	< 0.5	0.12	< 0.05	< 0.1	< 0.05	< 0.1
GW-69S	920806	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-69S	921116	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-70D	920810	< 0.1	< 0.1	< 0.1	< 0.05	0.07	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-70D	921112	< 0.1	< 0.1	< 0.1	< 0.05	0.059	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-70S	920810	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-70S	921112	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-71D	921217	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-71S	921217	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-72D	921117	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-73D	930420	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-73S	930420	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-74D	930420	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-74S	930420	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-75D	930507	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
GW-75S	930507	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
IW-04	920812	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
IW-04	921110	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1

concentration: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - PESTICIDE's

OLIN - WILMINGTON FACILITY

WELL	DATE	44DDD	44DDE	44DDT	ALDRN	ABHC	ACLDAN	BBHC	DBHC	DLDRN	AENSLF	BENSLF
IW-11	920812	< 1.0	< 1.0	< 1.0	< 0.70	< 0.70	< 7.0	< 0.70	< 0.70	< 1.0	< 0.70	< 1.0
IW-11	921110	< 10	< 10	< 10	< 5	< 5	< 50	< 5	< 5	< 10	< 5	< 10
SL-01D	920810	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SL-01D	921109	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	0.071	< 0.05	< 0.1	< 0.05	< 0.1
SL-01S	920810	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SL-06	920806	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SL-06	921109	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1

concentration: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - PESTICIDE's

OLIN - WILMINGTON FACILITY

WELL	DATE	ESFSO4	ENDRN	ENDRNA	ENDRNK	LIN	GCLDAN	HPCL	HPCLE	MEOXCL	TXPHEN
B-03	920812	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
B-03	921110	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
BR-01	921119	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-03D	921105	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-03S	921105	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-04	920805	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-04	921105	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-04D	920805	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-04D	921105	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-06D	920804	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05 UJ	< 0.05	< 0.5	< 1
GW-06D	921103	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-06S	920804	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05 UJ	< 0.05	< 0.5	< 1
GW-06S	921103	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-10D	920810	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-10D	921109	< 0.1	< 0.1	0.097 J	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-10S	920810	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-10S	921112	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-11	921109	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-12	920810	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-12	921111	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-17D	920805	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-17D	921103	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-17S	921103	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-18D	920806	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-18D	921109	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-19D	920804	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05 UJ	< 0.05	< 0.5	< 1
GW-19D	921109	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	0.068	< 0.5	< 1
GW-19D	921109	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-21D	921106	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-21S	921106	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-22D	920812	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1

concentration: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - PESTICIDE's

OLIN - WILMINGTON FACILITY

WELL	DATE	ESFSO4	ENDRN	ENDRNA	ENDRNK	LIN	GCLDAN	HPCL	HPCLE	MEOXCL	TXPHEN
GW-22D	921105	0.11	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-22S	920812	< 10.0	< 10.0	< 10.0	< 10.0	< 5.00	< 50.0	< 5.00	< 5.00	< 50.0	< 100
GW-22S	921105	< 1	< 1	< 1	< 1	< 0.5	< 5	< 0.5	< 0.5	< 5	< 10
GW-25	920810	< 0.1	< 0.1	< 0.1	< 0.1	0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-25	921116	< 0.1	< 0.1	< 0.1	< 0.1	0.11	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-26	920810	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-26	921113	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	0.052	< 0.5	< 1
GW-27D	920812	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-27D	921109	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	0.051	< 0.5	< 1
GW-27S	920812	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-27S	921109	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	0.06	< 0.5	< 1
GW-28D	920810	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-28D	921106	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-28S	920810	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-28S	921106	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-29D	920810	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-29D	921106	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-29S	920810	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-29S	921106	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-30DR	920804	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05 UJ	< 0.05	< 0.5	< 1
GW-30DR	921109	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-31D	920803	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-31D	921102	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-31S	920803	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-31S	921102	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-32D	920803	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-32D	921102	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-32S	920803	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-32S	921117	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-33D	920803	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-33D	921103	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1

concentration: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - PESTICIDE's

OLIN - WILMINGTON FACILITY

WELL	DATE	ESFSO4	ENDRN	ENDRNA	ENDRNK	LIN	GCLDAN	HPCL	HPCLE	MEOXCL	TXPHEN
GW-33S	920803	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-33S	921103	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-34D	920804	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-34D	921105	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-34S	920804	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-34S	921105	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-35D	920804	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-35D	921105	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-35S	920804	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05 UJ	< 0.05	< 0.5	< 1
GW-35S	921105	< 1	< 1	< 1	< 1	< 0.5	< 5	< 0.5	< 0.5	< 5	< 10
GW-36	920811	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-36	921116	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-37	920811	< 0.1	< 0.1	< 0.1	< 0.1	0.13	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-37	921116	< 0.1	< 0.1	< 0.1	< 0.1	0.09	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-38	920804	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	0.06 J	< 0.05	< 0.5	< 1
GW-38	921109	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-39	920806	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-39	921111	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-40D	920811	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-40D	920811	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-40D	921111	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-40S	920811	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-40S	921111	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-42D	920805	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-42D	920805	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-42D	921111	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-42D	921111	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-42S	920805	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-42S	921111	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-43D	920805	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-43D	920805	< 0.1	< 0.1	< 0.1	< 0.1	0.07	< 0.5	< 0.05	< 0.05	< 0.5	< 1

concentration: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - PESTICIDE's

OLIN - WILMINGTON FACILITY

WELL	DATE	ESFSO4	ENDRN	ENDRNA	ENDRNK	LIN	GCLDAN	HPCL	HPCLE	MEOXCL	TXPHEN
GW-43D	921111	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-43D	921111	< 0.1	< 0.1	< 0.1	< 0.1	0.06	< 0.5	< 0.05	0.047 J	< 0.5	< 1
GW-43S	920805	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-43S	921111	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-44D	920812	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-44D	921110	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-44S	920812	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-44S	921110	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-45D	920810	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-45D	921112	< 0.1	< 0.1	< 0.1	< 0.1	0.085	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-45S	920810	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-45S	921112	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-46D	920811	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-46D	921117	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-47	920813	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-47	921118	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-48D	920812	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-48D	921117	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-48S	920812	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-48S	921117	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-49D	920812	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-49D	921116	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-50D	920805	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-50D	920805	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-50D	921104	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-50D	921104	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-50S	920806	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-50S	921104	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-51D	920805	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-51D	921103	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	0.05	< 0.05	< 0.5	< 1
GW-51S	920805	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1

concentration: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - PESTICIDE's

OLIN - WILMINGTON FACILITY

WELL	DATE	ESFSO4	ENDRN	ENDRNA	ENDRNK	LIN	GCLDAN	HPCL	HPCLE	MEOXCL	TXPHEN
GW-51S	921103	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-52D	920804	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05 UJ	< 0.05	< 0.5	< 1
GW-52D	921103	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-52S	920804	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05 UJ	< 0.05	< 0.5	< 1
GW-52S	921103	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-53D	920804	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05 UJ	< 0.05	< 0.5	< 1
GW-53D	921103	< 0.1	< 0.1	< 0.1	< 0.1	0.099	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-53S	920804	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05 UJ	< 0.05	< 0.5	< 1
GW-53S	921103	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	0.087	< 0.5	< 1
GW-54D	920803	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-54D	921103	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	0.064	< 0.5	< 1
GW-54S	920803	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-54S	921103	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-55D	920805	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-55D	921102	< 0.5	< 0.5	< 0.5	< 0.5	< 0.3	< 3	< 0.3	< 0.3	< 3	< 5
GW-55S	920805	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-55S	921102	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-56D	920806	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-56D	921102	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-56S	920806	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-56S	921102	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-57D	920806	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-57D	921117	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-58D	920811	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-58D	921112	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-58S	920811	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-58S	921112	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-59D	920806	< 0.1	< 0.1	< 0.1	< 0.1	0.11	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-59D	920806	< 0.1	< 0.1	< 0.1	< 0.1	0.08	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-59D	921110	< 0.1	< 0.1	< 0.1	< 0.1	0.11	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-59D	921110	< 0.1	< 0.1	< 0.1	< 0.1	0.15	< 0.5	< 0.05	< 0.05	< 0.5	< 1

concentration: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - PESTICIDE's

OLIN - WILMINGTON FACILITY

WELL	DATE	ESFSO4	ENDRN	ENDRNA	ENDRNK	LIN	GCLDAN	HPCL	HPCLE	MEOXCL	TXPHEN
GW-59S	920806	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-59S	921110	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-60D	920811	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-60D	921117	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-60S	920811	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-60S	921117	< 0.1	< 0.1	0.14	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-61BR	921218	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-61D	920812	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-61D	921113	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-61S	920812	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-61S	921113	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-62BR	920813	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-62BR	921119	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-62BRD	930107	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-62D	920811	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-62D	921116	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-62M	920811	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-62M	921116	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-62S	920811	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-62S	921116	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-63D	920812	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-63D	921118	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-63S	920812	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-63S	921118	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-64D	920812	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-64D	920812	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-64D	921118	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-64S	920812	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-64S	921118	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-65D	920813	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-65D	921118	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1

concentration: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - PESTICIDE's

OLIN - WILMINGTON FACILITY

WELL	DATE	ESFSO4	ENDRN	ENDRNA	ENDRNK	LIN	GCLDAN	HPCL	HPCLE	MEOXCL	TXPHEN
GW-65S	920813	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-65S	921118	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-65S	921118	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-66D	920811	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-66D	921112	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-66S	920811	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-66S	921112	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-67D	921113	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-67S	921113	< 0.1	< 0.1	0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-68BR	921217	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-68D	920806	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-68D	921111	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-69D	920806	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-69D	921116	< 0.1	< 0.1	< 0.1	< 0.1	0.058	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-69S	920806	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-69S	921116	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-70D	920810	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-70D	921112	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-70S	920810	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-70S	921112	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-71D	921217	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-71S	921217	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-72D	921117	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
GW-73D	930420	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.5	< 1
GW-73S	930420	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.5	< 1
GW-74D	930420	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.5	< 1
GW-74S	930420	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.5	< 1
GW-75D	930507	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.5	< 1
GW-75S	930507	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.5	< 1
IW-04	920812	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
IW-04	921110	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1

concentration: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - PESTICIDE's

OLIN - WILMINGTON FACILITY

WELL	DATE	ESFSO4	ENDRN	ENDRNA	ENDRNK	LIN	GCLDAN	HPCL	HPCLE	MEOXCL	TXPHEN
IW-11	920812	< 1.0	< 1.0	< 1.0	< 1.0	< 0.70	< 7.0	< 0.70	< 0.70	< 7.0	< 10
IW-11	921110	< 10	< 10	< 10	< 10	< 5	< 50	< 5	< 5	< 50	< 100
SL-01D	920810	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SL-01D	921109	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SL-01S	920810	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SL-06	920806	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SL-06	921109	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1

concentration: ug/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	AL, DISS	SB, DISS	AS, DISS	BA, DISS	BE, DISS	CD, DISS	CA, DISS	CL, TOT	CR, DISS	CRHEX, DISS	CO, DISS
B-03	920812	< 0.10	< 0.005	< 0.005	0.090	< 0.015	< 0.010	73.0	20.0	< 0.015		< 0.015
B-03	921110	< 0.10	< 0.005	< 0.005	0.034	< 0.015	< 0.010	85.0	12.0	< 0.015		< 0.015
BR-01	921119	< 0.10	< 0.025	< 0.005	0.300	< 0.015	< 0.010	180.0	170.0	< 0.015		< 0.015
GW-03D	921105	< 0.10	< 0.005	< 0.005	0.007	< 0.015	< 0.010	97.0	9.9	< 0.015		0.031
GW-03S	921105	0.30	< 0.005	< 0.005	0.018	< 0.015	< 0.010	43.0	6.1	< 0.015		< 0.015
GW-04	920805	0.22	< 0.005	< 0.005	0.013	< 0.015	< 0.010	62.0	53.0	< 0.015		< 0.015
GW-04	921105	0.23	< 0.005	< 0.005	0.009	< 0.015	< 0.010	51.0	45.0	< 0.015		< 0.015
GW-04D	920805	0.16	< 0.005	< 0.005	0.041	< 0.015	< 0.010	150.0	130.0	< 0.015		0.200
GW-04D	921105	0.26	< 0.005	< 0.005	0.030	< 0.015	< 0.010	93.0	48.0	< 0.015		0.120
GW-06D	920804	< 0.10	< 0.005	< 0.005	0.029	< 0.015	< 0.010	28.0	22.0	< 0.015		< 0.015
GW-06D	921103	< 0.10	< 0.005	< 0.005	0.028	< 0.015	< 0.010	27.0	15.0	< 0.015		< 0.015
GW-06S	920804	< 0.10	< 0.005	< 0.005	0.015	< 0.015	< 0.010	240.0	13.0	< 0.015		< 0.015
GW-06S	921103	< 0.10	< 0.005	< 0.005	0.010	< 0.015	< 0.010	150.0	6.1	< 0.015		< 0.015
GW-10D	920810	160.00	< 0.005	< 0.050	0.011	< 0.015	< 0.010	120.0	1700.0	14.000		1.100
GW-10D	921109	140.00	< 0.005	< 0.100	0.010	< 0.015	< 0.010	100.0	1400.0	13.000		1.000
GW-10S	920810	2.70	0.007	< 0.005	0.120	< 0.015	< 0.010	3.2	12.0	< 0.015		< 0.015
GW-10S	921112	2.00	< 0.005	< 0.005	0.077	< 0.015	< 0.010	2.5	15.0	< 0.015		< 0.015
GW-11	921109	< 0.10	< 0.005	< 0.010	0.011	< 0.015	< 0.010	28.0	170.0	< 0.015		< 0.015
GW-12	920810	< 0.10	< 0.005	< 0.005	0.011	< 0.015	< 0.010	21.0	23.0	< 0.015		< 0.015
GW-12	921111	< 0.10	< 0.005	< 0.005	0.009	< 0.015	< 0.010	19.0	19.0	< 0.015		< 0.015
GW-17D	920805	0.87	< 0.005	< 0.005	0.012	< 0.015	< 0.010	450.0	40.0	0.590		0.140
GW-17D	921103	0.78	< 0.010	< 0.005	0.010	< 0.015	< 0.010	450.0	39.0	0.540		0.120
GW-17S	921103	0.67	< 0.010	< 0.005	0.027	< 0.015	< 0.010	140.0	5.3	< 0.015		0.020
GW-18D	920806	< 0.10	< 0.005	< 0.005	0.037	< 0.015	0.100	130.0	170.0	< 0.015		0.016
GW-18D	921109	< 0.10	< 0.005	< 0.005	0.047	< 0.015	0.120	170.0	180.0	< 0.015		< 0.015
GW-19D	920804	< 0.10	< 0.005	< 0.010	0.028	< 0.015	< 0.010	160.0	150.0	0.031		< 0.015
GW-19D	921109	< 0.10	< 0.005	< 0.010	0.023	< 0.015	< 0.010	110.0	130.0	0.040		< 0.015
GW-19D	921109	< 0.10	< 0.005	< 0.005	0.023	< 0.015	< 0.010	120.0	130.0	0.051		< 0.015
GW-21D	921106	0.65	< 0.005	< 0.005	0.073	< 0.015	< 0.010	43.0	6.3	< 0.015		< 0.015
GW-21S	921106	0.73	< 0.005	< 0.005	0.028	< 0.015	< 0.010	62.0	6.7	< 0.015		< 0.015
GW-22D	920812	1400.00	< 0.250	< 0.250	< 0.025	0.100	0.055	460.0	8500.0	560.000		3.800

concentration: mg/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	AL, DISS	SB, DISS	AS, DISS	BA, DISS	BE, DISS	CD, DISS	CA, DISS	CL, TOT	CR, DISS	CRHEX, DISS	CO, DISS
GW-22D	921105	1500.00	< 0.050	< 0.250	0.026	0.085	0.110	420.0	6500.0	740.000		2.900
GW-22S	920812	< 0.10	< 0.010	0.011	0.016	< 0.015	< 0.010	300.0	13.0	0.040		< 0.015
GW-22S	921105	< 0.10	< 0.005	0.009	0.019	< 0.015	< 0.010	310.0	17.0	< 0.015		< 0.015
GW-25	920810	< 0.10	< 0.005	< 0.010	0.035	< 0.015	< 0.010	220.0	430.0	0.022		0.120
GW-25	921116	< 0.10	< 0.025	< 0.005	0.022	< 0.015	< 0.010	160.0	300.0	< 0.015		0.019
GW-26	920810	< 0.10	< 0.005	< 0.005	0.015	< 0.015	< 0.010	1.4	110.0	< 0.015		< 0.015
GW-26	921113	< 0.10	< 0.005	< 0.005	0.021	< 0.015	< 0.010	1.2	120.0	< 0.015		< 0.015
GW-27D	920812	520.00	< 0.100	< 0.100	0.017	0.046	0.025	400.0	3700.0	75.000		2.300
GW-27D	921109	370.00	< 0.025	< 0.250	0.018	0.037	0.029	420.0	3700.0	91.000		2.600
GW-27S	920812	< 0.10	< 0.005	< 0.005	0.020	< 0.015	< 0.010	180.0	170.0	0.026		< 0.015
GW-27S	921109	0.15	< 0.005	< 0.005	0.017	< 0.015	< 0.010	150.0	180.0	0.032		0.019
GW-28D	920810	0.24	< 0.005	< 0.005	0.026	< 0.015	< 0.010	70.0	56.0	< 0.015		< 0.015
GW-28D	921106	0.23	< 0.005	< 0.005	0.048	< 0.015	< 0.010	27.0	99.0	< 0.015		< 0.015
GW-28S	920810	0.38	< 0.005	< 0.005	0.022	< 0.015	< 0.010	4.5	29.0	0.017		< 0.015
GW-28S	921106	3.20	< 0.005	< 0.005	0.055	< 0.015	< 0.010	20.0	100.0	< 0.015		< 0.015
GW-29D	920810	0.79	< 0.005	< 0.010	0.022	< 0.015	< 0.010	13.0	540.0	0.540		< 0.015
GW-29D	921106	0.85	< 0.005	< 0.005	0.014	< 0.015	< 0.010	14.0	530.0	0.530		< 0.015
GW-29S	920810	0.69	< 0.025	< 0.025	0.023	< 0.015	< 0.010	11.0	60.0	0.051		< 0.015
GW-29S	921106	1.30	< 0.005	< 0.005	0.013	< 0.015	< 0.010	12.0	78.0	0.140		< 0.015
GW-30DR	920804	2100.00	< 0.500	< 1.300	< 0.025	0.130	0.120	540.0	23000.0	1700.000		5.400
GW-30DR	921109	2300.00	< 0.100	< 0.500	0.015	0.100	0.058	590.0	16000.0	1600.000		3.800
GW-31D	920803	0.78	< 0.005	0.018	0.058	< 0.015	< 0.010	8.4	31.0	< 0.015		< 0.015
GW-31D	921102	0.98	< 0.005	0.020	0.047	< 0.015	< 0.010	8.1	28.0	< 0.015		< 0.015
GW-31S	920803	0.38	< 0.005	< 0.005	0.036	< 0.015	< 0.010	6.3	24.0	< 0.015		< 0.015
GW-31S	921102	0.53	< 0.005	< 0.005	0.033	< 0.015	0.010	5.1	23.0	< 0.015		< 0.015
GW-32D	920803	0.36	< 0.005	< 0.005	0.039	< 0.015	< 0.010	21.0	210.0	< 0.015		< 0.015
GW-32D	921102	0.34	< 0.005	< 0.005	0.040	< 0.015	< 0.010	23.0	250.0	< 0.015		< 0.015
GW-32S	920803	< 0.10	0.005	< 0.005	0.047	< 0.015	< 0.010	15.0	32.0	< 0.015		< 0.015
GW-32S	921102	< 0.10	< 0.005	< 0.005	0.046	< 0.015	< 0.010	20.0	64.0	< 0.015		< 0.015
GW-33D	920803	< 0.10	< 0.005	< 0.005	0.008	< 0.015	< 0.010	1.6	110.0	0.063		< 0.015
GW-33D	921103	< 0.10	< 0.005	< 0.005	0.005	< 0.015	< 0.010	1.8	110.0	0.056		< 0.015

concentration: mg/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	AL, DISS	SB, DISS	AS, DISS	BA, DISS	BE, DISS	CD, DISS	CA, DISS	CL, TOT	CR, DISS	CRHEX, DISS	CO, DISS
GW-33S	920803	0.11	0.005	< 0.005	0.008	< 0.015	< 0.010	2.1	29.0	0.086		< 0.015
GW-33S	921103	< 0.10	< 0.005	< 0.005	< 0.005	< 0.015	< 0.010	1.9	26.0	0.097		< 0.015
GW-34D	920804	170.00	< 0.005	< 0.050	0.013	< 0.015	< 0.010	210.0	420.0	8.300		0.210
GW-34D	921105	93.00	< 0.005	< 0.025	0.013	< 0.015	< 0.010	140.0	500.0	4.800		0.120
GW-34S	920804	< 0.10	< 0.005	< 0.005	0.065	< 0.015	< 0.010	7.1	8.7	< 0.015		< 0.015
GW-34S	921105	< 0.10	< 0.005	< 0.005	0.056	< 0.015	< 0.010	8.2	9.3	< 0.015		< 0.015
GW-35D	920804	2400.00	< 0.500	< 0.500	< 0.025	0.120	0.140	520.0	17000.0	1300.000		4.100
GW-35D	921105	210.00	< 0.005	< 0.025	0.025	< 0.015	< 0.010	250.0	1300.0	34.000		0.360
GW-35D	921110											
GW-35S	920804	0.12	< 0.005	< 0.010	0.012	< 0.015	< 0.010	170.0	110.0	0.074		< 0.015
GW-35S	921105	< 0.10	< 0.005	< 0.010	0.020	< 0.015	< 0.010	240.0	76.0	0.020		< 0.015
GW-36	920811	2300.00	< 0.250	< 0.500	< 0.025	0.130	0.150	520.0	17000.0	1800.000	39.000 J	4.500
GW-36	921116	2000.00	< 0.200	< 0.500	0.017	0.110	0.080	550.0	15000.0	1600.000	29 J	4.000
GW-37	920811	2000.00	< 0.250	< 0.500	< 0.025	0.120	0.110	540.0	13000.0	1700.000	31.000 J	4.600
GW-37	921116	2200.00	< 0.100	< 0.500	0.015	0.110	0.076	500.0	13000.0	1700.000	36 J	4.800
GW-38	920804	1200.00	< 0.130	< 0.250	< 0.025	0.080	0.055	410.0	15000.0	760.000		3.000
GW-38	921109	720.00	< 0.025	< 0.250	0.013	0.052	0.040	330.0	4700.0	440.000		1.700
GW-39	920806	< 0.10	< 0.005	< 0.005	0.010	< 0.015	< 0.010	150.0	12.0	< 0.015		0.022
GW-39	921111	< 0.10	< 0.005	< 0.005	0.009	< 0.015	< 0.010	100.0	13.0	< 0.015		0.022
GW-40D	920811	< 0.10 UJ	< 0.005	< 0.010	0.015	< 0.015	< 0.010	140.0	340.0	< 0.015		< 0.015
GW-40D	920811	0.17 J	< 0.005	< 0.010	0.016	< 0.015	< 0.010	150.0	340.0	< 0.015		< 0.015
GW-40D	921111	< 0.10	< 0.005	< 0.010	0.018	< 0.015	< 0.010	160.0	200.0	< 0.015		< 0.015
GW-40S	920811	1.80	< 0.005	< 0.005	0.031	< 0.015	< 0.010	15.0	< 2.0	0.019		< 0.015
GW-40S	921111	1.80	< 0.005	< 0.005	0.037	< 0.015	< 0.010	8.0	2.8	< 0.015		< 0.015
GW-42D	920805	1800.00	< 0.250	< 0.500 R	0.060	0.230	0.150 J	620.0	10000.0 J	3300.000	24.000 J	9.500
GW-42D	920805	1900.00	< 0.500 R	< 1.300	0.060	0.260	0.140	550.0 J	8600.0	3600.000	24.000 J	9.700
GW-42D	921111	1900.00	< 0.100 R	< 0.250 R	0.044 B	0.170 J	0.088 UJ	550.0	19000.0	3500.000	64 J	5.700
GW-42D	921111	1600.00	< 0.050	< 0.500	0.041	0.150	0.086	550.0	18000.0	3300.000	61 J	5.200
GW-42S	920805	0.43	< 0.005	< 0.005	0.015	< 0.015	< 0.010	6.5	15.0	0.070		< 0.015
GW-42S	921111	0.37	< 0.005	< 0.005	0.016	< 0.015	< 0.010	5.6	11.0	0.039		< 0.015
GW-43D	920805	360.00 J	< 0.025	< 0.130	< 0.025	0.085	0.065	240.0	3600.0	270.000 J	9.900 J	1.700 J

concentration: mg/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	AL, DISS	SB, DISS	AS, DISS	BA, DISS	BE, DISS	CD, DISS	CA, DISS	CL, TOT	CR, DISS	CRHEX, DISS	CO, DISS
GW-43D	920805	890.00 J	< 0.250	< 0.500	0.030	< 0.075	< 0.050	320.0	3800.0	790.000 J	9.700 J	3.600 J
GW-43D	921111	320.00	< 0.050	< 0.100	0.015	0.028	0.021	240.0	3600.0	240.000 J	8.4 J	1.100 J
GW-43D	921111	520.00	< 0.050	< 0.100	0.021	0.050	0.042	280.0	3700.0	420.000 J	8.4 J	2.000 J
GW-43S	920805	< 0.10	< 0.005	< 0.010	0.013	< 0.015	< 0.010	1.4	19.0	0.035		< 0.015
GW-43S	921111	< 0.10	< 0.005	< 0.005	0.025	< 0.015	< 0.010	3.9	36.0	< 0.015		< 0.015
GW-44D	920812	1400.00	< 0.250	< 0.500	0.045	0.160	0.120	500.0	9000.0	940.000	26.000 J	5.000
GW-44D	921110	1300.00	< 0.050	< 0.500	0.038	0.130	0.100	480.0	12000.0	970.000	31 J	3.900
GW-44S	920812	< 0.10	< 0.010	< 0.005	0.012	< 0.015	< 0.010	14.0	31.0	< 0.015		< 0.015
GW-44S	921110	< 0.10	< 0.005	< 0.005	0.014	< 0.015	< 0.010	18.0	40.0	< 0.015		< 0.015
GW-45D	920810	1100.00	< 0.130	< 0.500	0.040	0.150	0.130	510.0	8400.0	690.000	21.000 J	11.000
GW-45D	921112	1000.00	< 0.100	< 0.500	0.042	0.140	0.098	470.0	7600.0	690.000	20 J	9.900
GW-45S	920810	< 0.10	< 0.005	< 0.005	0.027	< 0.015	< 0.010	15.0	< 2.0	< 0.015		< 0.015
GW-45S	921112	< 0.10	< 0.005	< 0.005	0.028	< 0.015	< 0.010	15.0	77.0	< 0.015		< 0.015
GW-46D	920811	< 0.10	< 0.005	< 0.005	0.013	< 0.015	< 0.010	22.0	41.0	< 0.015		< 0.015
GW-46D	921117	< 0.10	< 0.005	< 0.005	0.014	< 0.015	< 0.010	17.0	45.0	< 0.015		< 0.015
GW-47	920813	< 0.10	< 0.005	< 0.005	0.006	< 0.015	< 0.010	16.0	8.9	< 0.015		< 0.015
GW-47	921118	< 0.10	< 0.005	< 0.005	0.019	< 0.015	< 0.010	22.0	13.0	< 0.015		0.017
GW-48D	920812	< 0.10	< 0.005	< 0.005	0.007	< 0.015	< 0.010	17.0	28.0	< 0.015		< 0.015
GW-48D	921117	< 0.10	< 0.005	< 0.005	0.010	< 0.015	< 0.010	24.0	45.0	< 0.015		< 0.015
GW-48S	920812	0.54	< 0.005	< 0.005	0.020	< 0.015	< 0.010	10.0	11.0	< 0.015		< 0.015
GW-48S	921117	1.10	< 0.005	< 0.005	0.027	< 0.015	< 0.010	8.4	8.3	< 0.015		< 0.015
GW-49D	920812	< 0.10	< 0.005	0.024	0.039	< 0.015	< 0.010	100.0	100.0	< 0.015		< 0.015
GW-49D	921116	< 0.10	< 0.025	0.024	0.034	< 0.015	< 0.010	85.0	72.0	< 0.015		< 0.015
GW-50D	920805	< 0.10	< 0.005	< 0.250	0.014	< 0.015	< 0.010	370.0	1700.0	< 0.015		0.400
GW-50D	920805	< 0.10	< 0.005 R	< 0.025 R	0.016	< 0.015	< 0.010	390.0	1400.0	< 0.015		0.400
GW-50D	921104	< 0.10	< 0.005	< 0.025 R	0.011 B	< 0.015	< 0.010	360.0	1400.0	< 0.015		0.320
GW-50D	921104	< 0.10	< 0.005	< 0.025	0.011	< 0.015	< 0.010	350.0	1300.0	< 0.015		0.310
GW-50S	920806	< 0.10	< 0.005	< 0.005	0.009	< 0.015	< 0.010	56.0	190.0	< 0.015		0.028
GW-50S	921104	< 0.10	< 0.005	< 0.025	0.010	< 0.015	< 0.010	84.0	180.0	< 0.015		0.019
GW-51D	920805	< 0.10	< 0.005	< 0.005	0.012	< 0.015	< 0.010	140.0	17.0	< 0.015		0.120
GW-51D	921103	< 0.10	< 0.010	< 0.005	0.017	< 0.015	< 0.010	220.0	32.0	0.016		0.140

concentration: mg/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	AL, DISS	SB, DISS	AS, DISS	BA, DISS	BE, DISS	CD, DISS	CA, DISS	CL, TOT	CR, DISS	CRHEX, DISS	CO, DISS
GW-51S	920805	1.10	< 0.005	< 0.005	0.012	< 0.015	< 0.010	130.0	8.8	0.018		0.023
GW-51S	921103	0.94	< 0.005	< 0.005	0.009	< 0.015	< 0.010	100.0	5.5	< 0.015		< 0.015
GW-52D	920804	1.20	< 0.025	0.048	0.055	< 0.075	< 0.050	28.0	220.0	< 0.075		< 0.075
GW-52D	921103	0.90	< 0.005	0.039	0.050 B	< 0.015	< 0.010	22.0	59.0	0.024		0.026
GW-52S	920804	0.88	0.007	0.005	0.028	< 0.015	< 0.010	27.0	7.4	< 0.015		< 0.015
GW-52S	921103	0.26	< 0.005	< 0.005	0.039	< 0.015	< 0.010	37.0	7.4	< 0.015		< 0.015
GW-53D	920804	< 0.10	< 0.005	< 0.005	< 0.005	< 0.015	< 0.010	12.0	57.0	< 0.015		< 0.015
GW-53D	921103	< 0.10	< 0.005	< 0.005	< 0.005	< 0.015	< 0.010	11.0	42.0	< 0.015		< 0.015
GW-53S	920804	< 0.10	< 0.005	< 0.005	0.005	< 0.015	< 0.010	14.0	< 2.0	< 0.015		< 0.015
GW-53S	921103	< 0.10	< 0.005	< 0.005	< 0.005	< 0.015	< 0.010	12.0	< 2.0	< 0.015		< 0.015
GW-54D	920803	< 0.10	< 0.005	< 0.005	0.021	< 0.015	< 0.010	17.0	20.0	< 0.015		0.034
GW-54D	921103	< 0.10	< 0.005	< 0.005	0.018	< 0.015	< 0.010	13.0	11.0	< 0.015		0.024
GW-54S	920803	0.27	< 0.005	< 0.005	0.009	< 0.015	< 0.010	15.0	5.5	0.024		< 0.015
GW-54S	921103	0.24	< 0.005	< 0.005	0.006	< 0.015	< 0.010	15.0	5.4	0.021		< 0.015
GW-55D	920805	0.93	< 0.100 R	< 0.050 R	0.017	< 0.015	0.019	340.0	1500.0	0.130		0.270
GW-55D	921102	1.30	< 0.005	< 0.050	0.017	< 0.015	< 0.010	340.0	1800.0	0.180		0.280
GW-55S	920805	< 0.10	< 0.005	< 0.025	0.015	< 0.015	< 0.010	150.0	330.0	< 0.015		0.110
GW-55S	921102	1.20	< 0.010	< 0.005	0.083	< 0.015	< 0.010	100.0	330.0	< 0.015		0.120
GW-56D	920806	< 0.10	< 0.005	< 0.005	0.012	< 0.015	< 0.010	120.0	170.0	< 0.015		0.040
GW-56D	921102	< 0.10	< 0.010	< 0.005	0.045	< 0.015	< 0.010	170.0	94.0	< 0.015		< 0.015
GW-56S	920806	1.60	< 0.005	< 0.005	0.029	< 0.015	< 0.010	56.0	62.0	< 0.015		0.018
GW-56S	921102	1.80	< 0.010	< 0.005	0.034	< 0.015	< 0.010	85.0	99.0	< 0.015		< 0.015
GW-57D	920806	< 0.10	0.005	< 0.005	0.011	< 0.015	< 0.010	22.0	92.0	< 0.015		< 0.015
GW-57D	921117	< 0.10	< 0.005 UJ	< 0.005	0.011	< 0.015	< 0.010	20.0	73.0	< 0.015		< 0.015
GW-58D	920811	< 0.10	< 0.005	< 0.025	0.025	< 0.015	< 0.010	200.0	180.0	< 0.015	< 0.015 UJ	0.240
GW-58D	921112	< 0.10	< 0.025	< 0.025	0.010	< 0.015	< 0.010	250.0	730.0	0.021	< 0.015 R	0.570
GW-58S	920811	< 0.10	< 0.005	< 0.005	0.015	< 0.015	< 0.010	12.0	99.0	< 0.015		< 0.015
GW-58S	921112	< 0.10	< 0.005	< 0.005	0.017	< 0.015	< 0.010	12.0	90.0	< 0.015		< 0.015
GW-59D	920806	820.00	< 0.100	< 0.250	0.020	0.089	0.120	450.0	9600.0	32.000		6.500
GW-59D	920806	800.00	< 0.100	< 0.130	0.026	0.091	0.110	450.0	9100.0	28.000	0.720 J	6.800
GW-59D	921110	720.00	< 0.025	< 0.250 R	0.033	0.088	0.120	460.0	8200.0	29.000	0.87 J	6.700

concentration: mg/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	AL, DISS	SB, DISS	AS, DISS	BA, DISS	BE, DISS	CD, DISS	CA, DISS	CL, TOT	CR, DISS	CRHEX, DISS	CO, DISS
GW-59D	921110	680.00	< 0.050	< 0.250	0.031	0.086	0.130	440.0	7500.0	22.000	1 J	6.500
GW-59S	920806	< 0.10	< 0.005	0.007	0.036	< 0.015	< 0.010	20.0	53.0	< 0.015		< 0.015
GW-59S	921110	< 0.10	< 0.005	< 0.005	0.040	< 0.015	< 0.010	25.0	54.0	< 0.015		< 0.015
GW-60D	920811	< 0.10	< 0.005	0.007	0.011	< 0.015	< 0.010	18.0	< 2.0	< 0.015		< 0.015
GW-60D	921117	< 0.10	< 0.005	< 0.005	0.008	< 0.015	< 0.010	19.0	48.0	< 0.015		< 0.015
GW-60S	920811	< 0.10	< 0.005	< 0.005	0.033	< 0.015	< 0.010	21.0	2.9	< 0.015		< 0.015
GW-60S	921117	< 0.10	< 0.005	< 0.005	0.024	< 0.015	< 0.010	16.0	48.0	< 0.015		< 0.015
GW-61BR	921218	< 0.10	< 0.005	< 0.005	0.074	< 0.015	< 0.010	44.0	75.0	< 0.015		< 0.015
GW-61D	920812	< 0.10	< 0.005	< 0.005	0.032	< 0.015	< 0.010	40.0	160.0	< 0.015		< 0.015
GW-61D	921113	< 0.10	< 0.005	< 0.005	0.033	< 0.015	< 0.010	41.0	150.0	< 0.015		< 0.015
GW-61S	920812	< 0.10	< 0.005	< 0.005	0.013	< 0.015	< 0.010	14.0	86.0	< 0.015		< 0.015
GW-61S	921113	< 0.10	< 0.005	< 0.005	0.018	< 0.015	< 0.010	14.0	82.0	< 0.015		< 0.015
GW-62BR	920813	< 0.10	< 0.005	< 0.025	0.052	< 0.015	< 0.010	320.0	1400.0	< 0.015		0.038
GW-62BR	921119	< 0.10	< 0.050	< 0.025	0.028 B	< 0.015 UJ	< 0.010	390.0	1900.0	0.027 J		0.098 J
GW-62BRD	930107	< 0.1	< 0.005	< 0.005	0.12	< 0.015	< 0.01	370	1100	0.044		< 0.015
GW-62D	920811	< 0.10	< 0.005	< 0.005	0.019	< 0.015	< 0.010	43.0	87.0	< 0.015		0.041
GW-62D	921116	< 0.10	< 0.005	< 0.005	0.016	< 0.015	< 0.010	37.0	86.0	< 0.015		0.042
GW-62M	920811	< 0.10	< 0.005	< 0.005	0.009	< 0.015	< 0.010	20.0	41.0	< 0.015		< 0.015
GW-62M	921116	< 0.10	< 0.005	< 0.005	0.009	< 0.015	< 0.010	19.0	43.0	< 0.015		< 0.015
GW-62S	920811	< 0.10	< 0.010	0.011	0.016	< 0.015	< 0.010	27.0	39.0	< 0.015		< 0.015
GW-62S	921116	< 0.10	< 0.005	0.019	0.020	< 0.015	< 0.010	26.0	38.0	< 0.015		< 0.015
GW-63D	920812	< 0.10	< 0.005	< 0.005	0.048	< 0.015	< 0.010	42.0	69.0	< 0.015		< 0.015
GW-63D	921118	< 0.10	< 0.005	< 0.005	0.062	< 0.015	< 0.010	45.0	75.0	< 0.015		< 0.015
GW-63S	920812	0.81	< 0.005	< 0.005	0.022	< 0.015	< 0.010	24.0	67.0	< 0.015		< 0.015
GW-63S	921118	< 0.10	< 0.005	< 0.005	0.014	< 0.015	< 0.010	13.0	83.0	< 0.015		< 0.015
GW-64D	920812	< 0.10	< 0.005	0.006	0.044	< 0.015	< 0.010	43.0	110.0	< 0.015		< 0.015
GW-64D	920812	< 0.10	< 0.005	0.006	0.048	< 0.015	< 0.010	50.0	110.0	< 0.015		< 0.015
GW-64D	921118	< 0.10	< 0.005	0.005	0.035	< 0.015	< 0.010	41.0	110.0	< 0.015		< 0.015
GW-64S	920812	0.22	0.005	< 0.005	0.015	< 0.015	< 0.010	11.0	62.0	< 0.015		< 0.015
GW-64S	921118	0.22	< 0.005	< 0.005	0.014	< 0.015	< 0.010	8.8	56.0	< 0.015		< 0.015
GW-65D	920813	< 0.10	< 0.005	0.009	0.017	< 0.015	< 0.010	33.0	59.0	0.026		0.420

concentration: mg/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	AL, DISS	SB, DISS	AS, DISS	BA, DISS	BE, DISS	CD, DISS	CA, DISS	CL, TOT	CR, DISS	CRHEX, DISS	CO, DISS
GW-65D	921118	< 0.10	< 0.005	0.011	0.044	< 0.015	< 0.010	36.0	53.0	< 0.015		0.140
GW-65S	920813	0.11	< 0.005	0.015	0.024	< 0.015	< 0.010	21.0	58.0	< 0.015		< 0.015
GW-65S	921118	< 0.10	< 0.005	0.022	0.021	< 0.015	< 0.010	18.0 J	67.0	< 0.015		< 0.015
GW-65S	921118	< 0.10	< 0.005	0.010	0.041	< 0.015	< 0.010	34.0 J	57.0	< 0.015		0.150
GW-66D	920811	< 0.10	< 0.005	< 0.005	0.010	< 0.015	< 0.010	26.0	47.0	< 0.015		< 0.015
GW-66D	921112	< 0.10	< 0.005	< 0.005	0.014	< 0.015	< 0.010	31.0	56.0	< 0.015		< 0.015
GW-66S	920811	< 0.10	< 0.005	< 0.005	0.012	< 0.015	< 0.010	17.0	37.0	< 0.015		< 0.015
GW-66S	921112	< 0.10	< 0.005	< 0.005	0.014	< 0.015	< 0.010	20.0	49.0	< 0.015		< 0.015
GW-67D	921113	< 0.10	< 0.005	< 0.005	0.037	< 0.015	< 0.010	74.0	280.0	< 0.015		< 0.015
GW-67S	921113	< 0.10	< 0.005	< 0.005	0.010	< 0.015	< 0.010	12.0	31.0	< 0.015		< 0.015
GW-68BR	921217	< 0.10	< 0.005	< 0.005	0.026	< 0.015	< 0.010	130.0	150.0	< 0.015		< 0.015
GW-68D	920806	< 0.10	< 0.005	< 0.005	0.046	< 0.015	< 0.010	42.0	77.0	< 0.015		0.220
GW-68D	921111	< 0.10	< 0.005	< 0.005	0.050	< 0.015	< 0.010	34.0	56.0	< 0.015		0.042
GW-69D	920806	280.00	< 0.005	< 0.100	0.018	0.024	0.014	250.0	2100.0	53.000		3.500
GW-69D	921116	280.00	< 0.005	< 0.100	0.014	0.022	< 0.010	240.0	2200.0	51.000		1.300
GW-69S	920806	< 0.10	< 0.005	< 0.005	0.034	< 0.015	< 0.010	6.3	10.0	< 0.015		< 0.015
GW-69S	921116	0.31	< 0.005	< 0.005	0.074	< 0.015	< 0.010	8.5	27.0	< 0.015		< 0.015
GW-70D	920810	2.30	< 0.050	< 0.100	0.023	< 0.015	0.063	430.0	5200.0	0.190	< 0.015 R	7.900
GW-70D	921112	1.20	< 0.050	< 0.250	0.020	< 0.015	0.054	390.0	5900.0	0.190		9.700
GW-70S	920810	< 0.10	< 0.005	< 0.005	0.019	< 0.015	< 0.010	18.0	52.0	< 0.015		< 0.015
GW-70S	921112	< 0.10	< 0.005 UJ	< 0.005	0.024	< 0.015	< 0.010	18.0	49.0	< 0.015		< 0.015
GW-71D	921217	< 0.10	< 0.005	< 0.005	0.017	< 0.015	< 0.010	42.0	62.0	< 0.015		0.036
GW-71S	921217	< 0.10	< 0.005	0.006	0.014	< 0.015	< 0.010	14.0	41.0	< 0.015		< 0.015
GW-72D	921117	< 0.10	< 0.005	< 0.005	0.019	< 0.015	< 0.010	25.0	18.0	< 0.015		0.021
GW-73D	930420	< 0.1	< 0.005	0.005	0.038	< 0.015	< 0.01	37	86	< 0.015		< 0.015
GW-73S	930420	< 0.1	< 0.005	< 0.005	0.007	< 0.015	< 0.01	27	3.7	< 0.015		< 0.015
GW-74D	930420	< 0.1	< 0.005	< 0.005	0.026	< 0.015	< 0.01	52	71	< 0.015		0.017
GW-74S	930420	< 0.1	< 0.005	< 0.005	0.022	< 0.015	< 0.01	54 J	71	< 0.015		< 0.015
GW-75D	930507	0.22	< 0.005	< 0.005	0.047	< 0.015	< 0.01	34	64	< 0.015		< 0.015
GW-75S	930507	1.1	< 0.005	< 0.005	0.013	< 0.015	< 0.01	17	34	< 0.015		< 0.015
IW-04	920812	< 0.10	< 0.005	0.015	< 0.005	< 0.015	< 0.010	8.9	17.0	< 0.015		< 0.015
IW-04	921110	< 0.10	< 0.005	0.042	0.006	< 0.015	< 0.010	19.0	36.0	< 0.015		< 0.015
IW-11	921110	0.12	< 0.005	0.008	0.015	< 0.015	< 0.010	21.0	49.0	< 0.015		< 0.015

concentration: mg/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	AL, DISS	SB, DISS	AS, DISS	BA, DISS	BE, DISS	CD, DISS	CA, DISS	CL, TOT	CR, DISS	CRHEX, DISS	CO, DISS
IW-11 *	920812	0.36	< 0.005	0.035	0.019	< 0.015	< 0.010	14.0	38.0	< 0.015		< 0.015
SL-01D	920810	0.28	< 0.005	< 0.005	0.036	< 0.015	< 0.010	31.0	11.0	< 0.015		< 0.015
SL-01D	921109	0.13	< 0.005	< 0.005	0.022	< 0.015	< 0.010	37.0	29.0	< 0.015		< 0.015
SL-01S	920810	0.13	< 0.005	< 0.005	0.059	< 0.015	< 0.010	6.5	4.0	< 0.015		< 0.015
SL-06	920806	0.39	< 0.005	< 0.005	0.030	< 0.015	< 0.010	440.0	400.0	< 0.015		0.043
SL-06	921109	0.12	< 0.005	< 0.005	0.032	< 0.015	< 0.010	430.0	680.0	< 0.015		0.057

* - sample unfilitered, results indicate both dissolved and adsorbed inorganics

concentration: mg/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	CU, DISS	FE, DISS	PB, DISS	MG, DISS	MN, DISS	HG, DISS	NI, DISS	NO3	NO2	AMMONIA AS N	K, DISS
B-03	920812	< 0.025	0.085	< 0.005	6.50	0.460	< 0.00020	< 0.040				6.30
B-03	921110	< 0.025	0.049	< 0.005	6.30	0.680	< 0.00020	< 0.040			18.00	4.00
BR-01	921119	< 0.025	< 0.025	< 0.005	< 0.05	< 0.010	< 0.00020	< 0.040			16.00	340.00
GW-03D	921105	< 0.025	< 0.025	< 0.005	4.70	13.000	< 0.00020	< 0.040			56.00	6.50
GW-03S	921105	< 0.025	0.150	< 0.005	1.50	2.800	< 0.00020	< 0.040			13.00	2.10
GW-04	920805	< 0.025	< 0.025	< 0.005	7.90	5.000	< 0.00020 UJ	< 0.040			48.00	2.80
GW-04	921105	< 0.025	< 0.025	< 0.005	6.10	4.400	< 0.00020	< 0.040			36.00	2.40
GW-04D	920805	< 0.025	4.800	< 0.005	16.00	6.400	< 0.00020	< 0.040			77.00	4.70
GW-04D	921105	< 0.025	2.200	< 0.005	9.90	5.200	< 0.00020	< 0.040			42.00	4.00
GW-06D	920804	< 0.025	0.050	< 0.005	2.70	0.330	< 0.00020	< 0.040			47.00	4.80
GW-06D	921103	< 0.025	0.071	< 0.005	2.60	0.330	< 0.00020	< 0.040			52.00	5.00
GW-06S	920804	< 0.025	0.210	< 0.005	2.20	0.057	< 0.00020	< 0.040			4.10	4.90
GW-06S	921103	< 0.025	0.057	< 0.005	1.50	0.043	< 0.00020	< 0.040			4.40	3.70
GW-10D	920810	1.300	7.800	< 0.050	170.00	13.000	< 0.00020	0.950				5.10
GW-10D	921109	1.200	7.100	< 0.050	180.00	13.000	< 0.00020	0.890			560.00	5.10
GW-10S	920810	< 0.025	0.300	< 0.005	0.82	0.078	< 0.00020	< 0.040			4.20	1.00
GW-10S	921112	< 0.025	0.280	< 0.005	0.70	0.055	< 0.00020	< 0.040			5.50	0.76
GW-11	921109	< 0.025	< 0.025	< 0.005	2.70	0.059	< 0.00020	< 0.040			180.00	2.20
GW-12	920810	< 0.025	< 0.025	< 0.005	3.10	0.020	< 0.00020	< 0.040			< 0.10	0.86
GW-12	921111	< 0.025	< 0.025	< 0.005	2.60	0.020	< 0.00020	< 0.040			< 0.10	0.88
GW-17D	920805	0.042	0.028	< 0.005	16.00	12.000	< 0.00020	0.044			140.00	16.00
GW-17D	921103	0.036	0.029	< 0.005	16.00	12.000	< 0.00020	< 0.040			170.00	16.00
GW-17S	921103	< 0.025	0.078	< 0.005	16.00	4.200	< 0.00020	< 0.040			1.30	5.30
GW-18D	920806	< 0.025	0.058	< 0.005	14.00	0.350	< 0.00020	< 0.040			3.70	5.80
GW-18D	921109	< 0.025	< 0.025	< 0.005	18.00	0.520	< 0.00020	< 0.040			2.60	7.70
GW-19D	920804	< 0.025	29.000	< 0.005	6.10	0.890	< 0.00020	< 0.040			160.00	5.80
GW-19D	921109	< 0.025	20.000	< 0.005 UJ	4.60	0.640	< 0.00020	< 0.040			180.00	5.90
GW-19D	921109	< 0.025	21.000	< 0.005	4.90	0.670	< 0.00020	< 0.040			180.00	5.90
GW-21D	921106	< 0.025	8.000	< 0.005	2.30	0.240	< 0.00020	< 0.040			8.60	2.50
GW-21S	921106	< 0.025	2.700	< 0.005	1.30	0.120	< 0.00020	< 0.040			2.80	4.30
GW-22D	920812	8.300	1500.000	< 0.250	1400.00		< 0.00020	4.400			2900.00	17.00

concentration: mg/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	CU, DISS	FE, DISS	PB, DISS	MG, DISS	MN, DISS	HG, DISS	NI, DISS	NO3	NO2	AMMONIA AS N	K, DISS
GW-22D	921105	5.600	2100.000	< 0.250	1700.00	130.000	< 0.00020	3.600			4000.00	19.00
GW-22S	920812	< 0.025	0.850	< 0.005	3.20	0.880	< 0.00020	< 0.040				7.70
GW-22S	921105	< 0.025	1.600	< 0.005	4.10	1.300	< 0.00020	< 0.040			11.00	7.00
GW-25	920810	< 0.025	7.000	< 0.025	38.00	6.400	< 0.00020	0.082			6300.00	4.10
GW-25	921116	< 0.025	0.680	< 0.005	21.00 J	2.300	< 0.00020	< 0.040			230.00	2.50 J
GW-26	920810	< 0.025	2.000	< 0.005	0.62	0.069	< 0.00020	< 0.040				1.00
GW-26	921113	< 0.025	1.900	< 0.005	0.57	0.075	< 0.00020	< 0.040			39.00	1.10
GW-27D	920812	3.500	57.000	< 0.100	470.00	66.000	< 0.00020	2.000				18.00
GW-27D	921109	3.200	160.000	< 0.100	540.00	92.000	< 0.00020	1.700			730.00	34.00
GW-27S	920812	< 0.025	0.075	< 0.005	15.00	4.600	< 0.00020	0.058				0.83
GW-27S	921109	< 0.025	0.075	< 0.005	15.00	3.700	< 0.00020	0.059			220.00	0.75
GW-28D	920810	0.037	2.200	< 0.005	8.10	1.400	< 0.00020	< 0.040				2.20
GW-28D	921106	< 0.025	1.800	< 0.005	4.60	0.810	< 0.00020	< 0.040			21.00	2.50
GW-28S	920810	0.049	0.700	< 0.005	0.98	0.210	< 0.00020	< 0.040				1.40
GW-28S	921106	< 0.025	4.800	< 0.005	4.40	0.420	< 0.00020	< 0.040			12.00	2.40
GW-29D	920810	< 0.025	8.500	< 0.010	4.30	0.410	< 0.00020	< 0.040			230.00	3.30
GW-29D	921106	< 0.025	9.500	< 0.010	4.20	0.380	< 0.00020	< 0.040			150.00	2.80
GW-29S	920810	< 0.025	1.500	< 0.050	3.00	0.170	< 0.00020	< 0.040			7.10	2.60
GW-29S	921106	< 0.025	3.000	< 0.010	2.30	0.150	< 0.00020	< 0.040			3.50	1.80
GW-30DR	920804	2.700	3200.000	< 0.050	1700.00	160.000	0.00110	6.100			8000.00	14.00
GW-30DR	921109	2.600	3400.000	< 0.250	1700.00	170.000	0.00053	4.300			1900.00	12.00
GW-31D	920803	< 0.025	11.000	< 0.005	1.60	0.830	< 0.00020	< 0.040			14.00	3.50
GW-31D	921102	< 0.025	11.000	< 0.005	1.50	0.810	< 0.00020	< 0.040			19.00	3.70
GW-31S	920803	< 0.025	2.500	< 0.005	1.10	1.000	< 0.00020	< 0.040			7.50	2.80
GW-31S	921102	< 0.025	4.500	< 0.005	0.82	1.100	< 0.00020	< 0.040			10.00	3.50
GW-32D	920803	0.064	2.400	< 0.005	5.80	2.000	< 0.00020	< 0.040			25.00	5.10
GW-32D	921102	0.073	2.300	< 0.005	6.30	2.200	< 0.00020	< 0.040			26.00	5.90
GW-32S	920803	< 0.025	0.160	< 0.005	3.20	0.790	< 0.00020	< 0.040			0.19	2.40
GW-32S	921102	< 0.025	0.061	< 0.005	4.00	1.100	< 0.00020	< 0.040			0.62	2.60
GW-33D	920803	< 0.025	0.850	< 0.005	0.80	0.063	< 0.00020	< 0.040			20.00	0.62
GW-33D	921103	< 0.025	1.100	< 0.005	0.83	0.060	< 0.00020	< 0.040			24.00	0.71

concentration: mg/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	CU, DISS	FE, DISS	PB, DISS	MG, DISS	MN, DISS	HG, DISS	NI, DISS	NO3	NO2	AMMONIA AS N	K, DISS
GW-33S	920803	< 0.025	< 0.025	< 0.005	0.41	0.055	< 0.00020	< 0.040			2.10	0.39
GW-33S	921103	< 0.025	0.200	< 0.005	0.40	0.044	< 0.00020	< 0.040			2.90	0.47
GW-34D	920804	0.810	1.700	< 0.025	100.00	5.800	< 0.00020	0.280			260.00	0.80
GW-34D	921105	0.470	1.200	< 0.005	67.00	3.600	< 0.00020	0.170			350.00	0.74
GW-34S	920804	< 0.025	< 0.025	< 0.005	0.56	0.630	< 0.00020	< 0.040			2.20	0.52
GW-34S	921105	< 0.025	< 0.025	< 0.005	0.50	0.540	< 0.00020	< 0.040			2.00	0.51
GW-35D	920804	1.100	3300.000	< 0.500	1700.00	120.000	0.00055	5.800			7000.00	15.00
GW-35D	921105	0.550	68.000	< 0.050	190.00	12.000	< 0.00020	0.520				3.10
GW-35D	921110										2.40	
GW-35S	920804	< 0.025	9.000	< 0.005	4.50	0.520	< 0.00020	< 0.040			94.00	4.90
GW-35S	921105	< 0.025	1.800	< 0.005	5.20	0.750	< 0.00020	< 0.040			150.00	4.50
GW-36	920811	4.000	3000.000	< 0.500	1600.00	110.000	0.00100	6.300				16.00
GW-36	921116	3.700	3100.000	< 2.000	1500.00	110.000	0.00120	4.900	19.00 J	0.18 J	9.10	12.00
GW-37	920811	5.400	1800.000	< 0.500	1200.00	150.000	0.00054	5.600			5700.00	17.00
GW-37	921116	5.500	2200.000	< 2.000	1300.00	170.000	0.00081	5.100	16.00 J	0.17	13.00	15.00
GW-38	920804	3.000	1000.000	< 0.025	830.00	87.000	0.00033	3.600			3200.00	6.60
GW-38	921109	1.800	520.000	< 0.100	500.00	53.000	< 0.00020	1.900			2600.00	4.10
GW-39	920806	< 0.025	0.540	< 0.010	7.40	2.100	< 0.00020	< 0.040				3.00
GW-39	921111	< 0.025	0.590	< 0.005	4.60	1.700	< 0.00020	< 0.040			1.30	2.50
GW-40D	920811	< 0.025	0.065 J	< 0.005	7.90	1.300	< 0.00020	< 0.040				6.80
GW-40D	920811	< 0.025	0.140 J	< 0.005	9.20	1.600 J	< 0.00020	< 0.040			520.00	6.80
GW-40D	921111	< 0.025	0.100	< 0.025 R	12.00	2.000	< 0.00020	< 0.040			190.00	6.90
GW-40S	920811	< 0.025	0.034	< 0.005	0.36	0.023	< 0.00020	< 0.040				3.20
GW-40S	921111	< 0.025	< 0.025	< 0.005	0.34	0.031	< 0.00020	< 0.040			0.26	3.10
GW-42D	920805	13.000	1900.000	< 0.500	1200.00	550.000	0.00070	7.000 J			12000.00 J	62.00 J
GW-42D	920805	13.000	1900.000	< 0.500 R	1100.00	550.000	0.00049	7.600			6400.00 J	57.00
GW-42D	921111	11.000	1900.000	< 0.100 R	1000.00	580.000	0.00022 J	4.500 J	12.00	0.33 J	11.00	67.00 J
GW-42D	921111	9.900	1900.000	< 1.000	1100.00	540.000	0.00026	4.100	13.00	0.34	13.00	59.00
GW-42S	920805	< 0.025	1.300	< 0.005	1.40	0.520	< 0.00020	< 0.040				1.50
GW-42S	921111	< 0.025	1.200	< 0.005	1.30	0.430	< 0.00020	< 0.040			6.10	1.50
GW-43D	920805	1.200 J	1400.000 J	< 0.250	630.00 J	56.000 J	< 0.00020 UJ	1.600 J			2600.00	31.00

concentration: mg/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	CU, DISS	FE, DISS	PB, DISS	MG, DISS	MN, DISS	HG, DISS	NI, DISS	NO3	NO2	AMMONIA AS N	K, DISS
GW-43D	920805	0.430 J	780.000 J	< 0.500	340.00 J	120.000 J	< 0.00020 UJ	3.300 J			2900.00	23.00
GW-43D	921111	0.370	500.000 J	< 0.100	280.00	39.000 J	< 0.00020	0.940 J	3.10	< 0.05	0.81 J	20.00
GW-43D	921111	0.490	1100.000 J	< 0.100	420.00	76.000 J	< 0.00020	1.700 J	3.00	< 0.05	2.40 J	27.00
GW-43S	920805	< 0.025	0.072	< 0.005	0.25	0.083	< 0.00020 UJ	< 0.040			12.00	0.64
GW-43S	921111	< 0.025	< 0.025	< 0.005	0.75	0.220	< 0.00020	< 0.040			22.00	0.88
GW-44D	920812	5.200	2300.000	< 0.500	1000.00	160.000	< 0.00020	5.200				92.00
GW-44D	921110	4.700	2400.000	< 1.000	960.00	160.000	< 0.00020	3.600	24.00	0.17	24.00	100.00
GW-44S	920812	< 0.025	< 0.025	< 0.005	2.90	< 0.010	< 0.00020	< 0.040			< 0.10	2.40
GW-44S	921110	< 0.025	< 0.025	< 0.005	3.10	< 0.010	< 0.00020	< 0.040			< 0.10	2.60
GW-45D	920810	5.300	1300.000	< 0.250	670.00	240.000	< 0.00020	4.800			3400.00	110.00
GW-45D	921112	5.200	1200.000	< 1.000	630.00	240.000	< 0.00020	4.500	22.00	0.08	4.50	81.00
GW-45S	920810	< 0.025	< 0.025	< 0.005	2.60	0.910	< 0.00020	< 0.040			2.60	3.70
GW-45S	921112	< 0.025	< 0.025	< 0.005	2.50	0.900	< 0.00020	< 0.040			2.20	3.40
GW-46D	920811	< 0.025	0.110	< 0.005	3.10	0.340	< 0.00020	< 0.040			< 0.10	2.60
GW-46D	921117	< 0.025	0.050	< 0.005	2.60	0.120	< 0.00020	< 0.040			< 0.10	2.30
GW-47	920813	< 0.025	< 0.025	< 0.005	0.83	0.035	< 0.00020	< 0.040			2.70	1.60
GW-47	921118	< 0.025	0.056	< 0.005	1.40	0.130	< 0.00020	< 0.040			< 0.10	3.30
GW-48D	920812	< 0.025	< 0.025	< 0.005	3.50	0.020	< 0.00020	< 0.040			0.13	1.40
GW-48D	921117	< 0.025	< 0.025	< 0.005	4.90	0.014	< 0.00020	< 0.040			0.14	1.60 J
GW-48S	920812	< 0.025	< 0.025	< 0.005	1.60	0.094	< 0.00020	< 0.040				1.00
GW-48S	921117	< 0.025	< 0.025	< 0.005	1.40	0.130	< 0.00020	< 0.040			0.10	1.10
GW-49D	920812	< 0.025	68.000	< 0.005	12.00	9.000	< 0.00020	< 0.040				9.30
GW-49D	921116	< 0.025	62.000	< 0.005	9.70	7.600	< 0.00020	< 0.040			7.20	7.50
GW-50D	920805	< 0.025	20.000	< 0.025 R	110.00	17.000	< 0.00020	0.160			1000.00	42.00
GW-50D	920805	< 0.025	19.000	< 0.025	130.00	17.000	< 0.00020 UJ	0.130				41.00
GW-50D	921104	< 0.025	18.000	< 0.025 R	110.00	17.000	< 0.00020	0.130			300.00	41.00
GW-50D	921104	< 0.025	18.000	< 0.050	110.00	17.000	< 0.00020	0.100			430.00	43.00
GW-50S	920806	< 0.025	0.027	< 0.005	17.00	2.300	< 0.00020	< 0.040				7.60
GW-50S	921104	< 0.025	< 0.025	< 0.005	20.00	2.500	< 0.00020	< 0.040			150.00	8.50
GW-51D	920805	< 0.025	0.220	< 0.005	9.60	16.000	< 0.00020	< 0.040			75.00	9.10
GW-51D	921103	< 0.025	0.510	< 0.005	15.00	24.000	< 0.00020	0.056			130.00	12.00

concentration: mg/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	CU, DISS	FE, DISS	PB, DISS	MG, DISS	MN, DISS	HG, DISS	NI, DISS	NO3	NO2	AMMONIA AS N	K, DISS
GW-51S	920805	< 0.025	0.430	< 0.005	3.10	2.700	< 0.00020	< 0.040			17.00	2.40
GW-51S	921103	< 0.025	0.290	< 0.005	2.50	2.100	< 0.00020	< 0.040			14.00	2.20
GW-52D	920804	1.300	3.700	< 0.005	2.60	0.130	< 0.00020	< 0.200			260.00	5.60
GW-52D	921103	1.300 J	3.100	< 0.005	4.20	0.097	< 0.00020	0.062			350.00	8.20 J
GW-52S	920804	< 0.025	0.770	< 0.005	2.40	0.079	< 0.00020	< 0.040			49.00	4.00
GW-52S	921103	< 0.025	0.240	< 0.005	2.90	0.180	< 0.00020	< 0.040			46.00	3.00
GW-53D	920804	< 0.025	0.350	< 0.005	3.10	0.460	< 0.00020	< 0.040			11.00	2.70
GW-53D	921103	< 0.025	0.031	< 0.005	2.70	0.420	< 0.00020	< 0.040			9.90	3.10
GW-53S	920804	< 0.025	< 0.025	< 0.005	0.44	0.024	< 0.00020	< 0.040			0.12	5.10
GW-53S	921103	< 0.025	< 0.025	< 0.005	0.39	0.023	< 0.00020	< 0.040			< 0.10	2.40
GW-54D	920803	< 0.025	6.400	< 0.005	3.70	2.200	< 0.00020	< 0.040			21.00	4.10
GW-54D	921103	< 0.025	6.000	< 0.005	2.90	1.700	< 0.00020	< 0.040			20.00	4.10
GW-54S	920803	< 0.025	4.100	< 0.005	3.40	0.230	< 0.00020	< 0.040			12.00	1.00
GW-54S	921103	< 0.025	5.800	< 0.005	3.10	0.220	< 0.00020	< 0.040			9.60	0.98
GW-55D	920805	< 0.025	330.000	< 0.050 R	96.00	14.000	< 0.00020	0.084			1400.00	32.00
GW-55D	921102	< 0.025	380.000	< 0.025	99.00	13.000	< 0.00020	0.130			2100.00	33.00
GW-55S	920805	< 0.025	73.000	< 0.025	26.00	3.400	< 0.00020 UJ	0.050				12.00
GW-55S	921102	< 0.025	49.000	< 0.005	20.00	4.200	< 0.00020	0.120			220.00	10.00
GW-56D	920806	< 0.025	< 0.025	< 0.005	24.00	1.600	< 0.00020	< 0.040				6.80
GW-56D	921102	< 0.025	< 0.025	< 0.005	29.00	2.700	< 0.00020	< 0.040			30.00	13.00
GW-56S	920806	< 0.025	0.230	< 0.005	11.00	1.900	< 0.00020	< 0.040				3.60
GW-56S	921102	< 0.025	0.082	< 0.005	17.00	2.300	< 0.00020	< 0.040			25.00	6.60
GW-57D	920806	< 0.025	< 0.025	< 0.005	4.30	0.120	< 0.00020	< 0.040			< 0.10	2.30
GW-57D	921117	< 0.025	< 0.025	< 0.005	4.00	0.046	< 0.00020	< 0.040			< 0.10	2.10 J
GW-58D	920811	< 0.025	17.000	< 0.050	43.00	14.000	< 0.00020	0.150				19.00
GW-58D	921112	< 0.025	26.000	< 0.025	65.00	26.000	< 0.00020	0.270	< 0.05 UJ	< 0.05	71.00	20.00
GW-58S	920811	< 0.025	< 0.025	< 0.005	2.00	1.000	< 0.00020	< 0.040			0.65	3.60
GW-58S	921112	< 0.025	< 0.025	< 0.005	1.90	0.520	< 0.00020	< 0.040			0.51	3.30
GW-59D	920806	2.600	1900.000	< 0.500	680.00	350.000	< 0.00020	5.400			3000.00	130.00
GW-59D	920806	2.600	1700.000	< 0.500	630.00	350.000	< 0.00020	5.400			3200.00	140.00
GW-59D	921110	2.800	1700.000	< 0.250 R	620.00	350.000	< 0.00020	4.900	14.00	< 0.05	10.00 J	140.00

concentration: mg/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	CU, DISS	FE, DISS	PB, DISS	MG, DISS	MN, DISS	HG, DISS	NI, DISS	NO3	NO2	AMMONIA AS N	K, DISS
GW-59D	921110	2.500	1900.000	< 0.100	630.00	350.000	< 0.00020	4.900	15.00	< 0.05	4.80 J	130.00
GW-59S	920806	< 0.025	1.800	< 0.005	3.00	5.300	< 0.00020	< 0.040			3.60	5.00
GW-59S	921110	< 0.025	0.290	< 0.005	3.30	4.400	< 0.00020	< 0.040			5.10	6.80
GW-60D	920811	< 0.025	3.900	< 0.005	3.10	0.400	< 0.00020	< 0.040			0.21	3.40
GW-60D	921117	< 0.025	2.100	< 0.005	3.30	0.280	< 0.00020	< 0.040			< 0.10	3.10
GW-60S	920811	< 0.025	4.200	< 0.005	3.60	0.110	< 0.00020	< 0.040			0.27	4.00
GW-60S	921117	< 0.025	3.400	< 0.005	2.60	0.100	< 0.00020	< 0.040			< 0.10	2.60
GW-61BR	921218	< 0.025	0.025	< 0.005	16.00 J	0.100	< 0.00020	< 0.040			< 0.10	3.80
GW-61D	920812	< 0.025	< 0.025	< 0.005	6.80	0.091	< 0.00020	< 0.040			< 0.10	3.50
GW-61D	921113	< 0.025	< 0.025	< 0.005	7.20	0.048	< 0.00020	< 0.040			< 0.10	3.00
GW-61S	920812	< 0.025	< 0.025	< 0.005	3.10	0.053	< 0.00020	< 0.040				2.70
GW-61S	921113	< 0.025	< 0.025	< 0.005	3.10	0.034	< 0.00020	< 0.040			0.61	2.30
GW-62BR	920813	< 0.025	5.300	< 0.025	240.00	23.000	< 0.00020	0.140				34.00
GW-62BR	921119	< 0.025	5.300	< 0.050	320.00	31.000	< 0.00020	0.240 J			6.40	36.00 J
GW-62BRD	930107	< 0.025	61	< 0.025 R	160	3.9	< 0.0002	< 0.04			82	17
GW-62D	920811	< 0.025	1.000	< 0.005	14.00	3.200	< 0.00020	< 0.040			3.00	3.50
GW-62D	921116	< 0.025	0.970	< 0.005	13.00	2.600	< 0.00020	< 0.040			5.80	2.80
GW-62M	920811	< 0.025	< 0.025	< 0.005	4.80	0.430	< 0.00020	< 0.040			1.30	3.00
GW-62M	921116	< 0.025	< 0.025	< 0.005	4.60	0.380	< 0.00020	< 0.040			1.30	2.80
GW-62S	920811	< 0.025	5.700	< 0.005	4.60	2.000	< 0.00020	< 0.040			1.30	8.60
GW-62S	921116	< 0.025	18.000	< 0.005	4.60	2.400	< 0.00020	< 0.040			2.40	11.00
GW-63D	920812	< 0.025	4.500	< 0.005	6.60	0.720	< 0.00020	< 0.040				3.90
GW-63D	921118	< 0.025	6.000	< 0.005	6.70	0.710	< 0.00020	< 0.040			0.37	3.40
GW-63S	920812	< 0.025	0.220	< 0.005	1.90	0.210	< 0.00020	< 0.040			0.14	8.30
GW-63S	921118	< 0.025	0.660	< 0.005	2.50	0.300	< 0.00020	< 0.040			0.26	2.10
GW-64D	920812	< 0.025	32.000	< 0.005	14.00	1.100	< 0.00020	< 0.040				7.00
GW-64D	920812	< 0.025	30.000	< 0.005	12.00	1.400	< 0.00020	< 0.040			8.00	7.80
GW-64D	921118	< 0.025	25.000	< 0.005	9.80	1.000	< 0.00020	< 0.040			100.00	6.30
GW-64S	920812	< 0.025	0.430	< 0.005	2.30	0.170	< 0.00020	< 0.040			0.33	3.00
GW-64S	921118	< 0.025	0.390	< 0.005	2.00	0.071	< 0.00020	< 0.040			0.14	2.20
GW-65D	920813	< 0.025	19.000	< 0.005	5.90	0.520	< 0.00020	< 0.040				4.10

concentration: mg/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	CU, DISS	FE, DISS	PB, DISS	MG, DISS	MN, DISS	HG, DISS	NI, DISS	NO3	NO2	AMMONIA AS N	K, DISS
GW-65D	921118	< 0.025	21.000	< 0.005	5.50	0.620	< 0.00020	< 0.040			0.45	4.00
GW-65S	920813	< 0.025	8.900	< 0.005	3.40	1.000	< 0.00020	< 0.040			0.72	2.60
GW-65S	921118	< 0.025	12.000	< 0.005	3.40	1.000 J	< 0.00020	< 0.040			0.47	2.80
GW-65S	921118	< 0.025	20.000	< 0.005	5.60	0.520 J	< 0.00020	< 0.040			0.58	3.80
GW-66D	920811	< 0.025	0.130	< 0.005	5.20	1.600	< 0.00020	< 0.040			0.39	3.30
GW-66D	921112	< 0.025	0.150	< 0.005	6.40	2.000	< 0.00020	< 0.040			0.36	2.90
GW-66S	920811	< 0.025	0.490	< 0.005	3.80	2.400	< 0.00020	< 0.040			0.25	3.40
GW-66S	921112	< 0.025	1.900	< 0.005	4.20	2.500	< 0.00020	< 0.040			0.21	3.10
GW-67D	921113	< 0.025	0.036	< 0.005	16.00	0.530	< 0.00020	< 0.040			0.30	6.10
GW-67S	921113	< 0.025	< 0.025	< 0.005	2.50	0.160	< 0.00020	< 0.040			< 0.10	3.90
GW-68BR	921217	< 0.025	< 0.025	< 0.005	22.00	0.800	< 0.00020	< 0.040			8.80	6.80
GW-68D	920806	< 0.025	1.400	< 0.005	6.00	2.100	< 0.00020	< 0.040			0.12	3.80
GW-68D	921111	< 0.025	0.960	< 0.005	4.30	1.100	< 0.00020	< 0.040			< 0.10	2.70
GW-69D	920806	2.000	86.000	< 0.050	220.00	18.000	< 0.00020	1.200				7.60
GW-69D	921116	1.800	64.000	< 0.100	220.00	17.000	< 0.00020	1.100			310.00	7.00
GW-69S	920806	< 0.025	0.040	< 0.005	1.30	0.500	< 0.00020	< 0.040			0.80	7.20
GW-69S	921116	< 0.025	0.036	< 0.005	1.50	0.310	< 0.00020	< 0.040			1.30	3.80
GW-70D	920810	0.330	1100.000	< 0.100	610.00	450.000	< 0.00020	3.400				100.00
GW-70D	921112	0.074	1300.000	< 0.250	680.00	430.000	< 0.00020	3.600			61.00	110.00
GW-70S	920810	< 0.025	0.870	< 0.005	4.90	4.800	< 0.00020	< 0.040			4.50	4.10
GW-70S	921112	< 0.025	1.100	< 0.005	4.80	3.400	< 0.00020	< 0.040			4.60	3.50
GW-71D	921217	< 0.025	0.810	< 0.005	9.00	2.000	< 0.00020	< 0.040			0.48	4.20 J
GW-71S	921217	< 0.025	1.100	< 0.005	3.00	0.580	< 0.00020	< 0.040			< 0.10	2.90
GW-72D	921117	< 0.025	0.037	< 0.005	4.40	0.550	< 0.00020	< 0.040			< 0.10	4.50
GW-73D	930420	< 0.025	3.5	< 0.005	12	0.35	< 0.0002	< 0.04			< 0.1	5
GW-73S	930420	< 0.025	< 0.025	< 0.005	1.6	< 0.01	< 0.0002	< 0.04			< 0.1	2.3
GW-74D	930420	< 0.025	1.1	< 0.005	11	0.85	< 0.0002	< 0.04			< 0.1	5
GW-74S	930420	< 0.025	1.8	< 0.005	11	0.85	< 0.0002	< 0.04			0.1	5.2
GW-75D	930507	< 0.025	1.1	< 0.005	7.8	1.6	< 0.0002	< 0.04			37	12
GW-75S	930507	< 0.025	1.1	< 0.005	1.6	0.28	< 0.0002	< 0.04			0.28	3.9
IW-04	920812	< 0.025	4.800	< 0.005	1.30	0.180	< 0.00020	< 0.040			2.60	2.50
IW-04	921110	< 0.025	23.000	< 0.005	3.00	0.330	< 0.00020	< 0.040			3.20	3.00
IW-11	921110	< 0.025	15.000	< 0.005	4.70	0.850	< 0.00020	< 0.040			11.00	3.20

concentration: mg/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	CU, DISS	FE, DISS	PB, DISS	MG, DISS	MN, DISS	HG, DISS	NI, DISS	NO3	NO2	AMMONIA AS N	K, DISS
IW-11 *	920812	0.033	17.000	< 0.010	2.90	0.530	0.00029	< 0.040				2.70
SL-01D	920810	< 0.025	< 0.025	< 0.005	1.60	0.180	< 0.00020	< 0.040			< 0.10	3.20
SL-01D	921109	< 0.025	0.039	< 0.005	1.70	0.100	< 0.00020	< 0.040			< 0.10	2.60
SL-01S	920810	< 0.025	0.053	< 0.005	0.95	0.110	< 0.00020	< 0.040			0.83	5.60
SL-06	920806	< 0.025	< 0.025	< 0.025	30.00	9.500	< 0.00020	< 0.040				24.00
SL-06	921109	< 0.025	0.034	< 0.025	32.00	11.000	< 0.00020	< 0.040			180.00	30.00

* - sample unfilitered, results indicate both dissolved and adsorbed inorganics

concentration: mg/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	SE, DISS	AG, DISS	NA, DISS	SO4, TOT	TL, DISS	V, DISS	ZN, DISS
B-03	920812	< 0.005	< 0.015	70.0	300.0 J	< 0.005	< 0.025	< 0.025
B-03	921110	< 0.005	< 0.015	23.0	300.0	< 0.005	< 0.025	0.038
BR-01	921119	< 0.005	< 0.015	200.0	360.0	< 0.025	< 0.025	< 0.025
GW-03D	921105	< 0.005	< 0.015	27.0	320.0	< 0.005 UJ	< 0.025	< 0.025
GW-03S	921105	< 0.005	< 0.015	11.0	100.0	< 0.005	< 0.025	0.027
GW-04	920805	< 0.005	< 0.015	71.0	400.0 J	< 0.005	< 0.025	< 0.025
GW-04	921105	< 0.005	< 0.015	73.0	350.0	< 0.005	< 0.025	< 0.025
GW-04D	920805	< 0.050 R	< 0.015	91.0	600.0	< 0.005	< 0.025	< 0.025
GW-04D	921105	< 0.005	0.250	77.0	550.0	< 0.005	< 0.025	< 0.025
GW-06D	920804	< 0.005	< 0.015	52.0	150.0	< 0.005	< 0.025	0.029
GW-06D	921103	< 0.005	< 0.015	50.0	170.0	< 0.005	< 0.025	< 0.025
GW-06S	920804	< 0.025	< 0.015	5.2	530.0	< 0.005	< 0.025	< 0.025
GW-06S	921103	< 0.005	< 0.015	4.8	370.0	< 0.005	< 0.025	< 0.025
GW-10D	920810	< 0.050	< 0.015	1400.0	4900.0 J	< 0.005	< 0.025	1.300
GW-10D	921109	< 0.050	< 0.015	1200.0	4800.0	< 0.025	< 0.025	1.300
GW-10S	920810	< 0.005	< 0.015	7.2	82.0 J	< 0.005	< 0.025	0.093
GW-10S	921112	< 0.005	< 0.015	8.7	30.0 J	< 0.005	< 0.025	0.041
GW-11	921109	< 0.005	< 0.015	180.0	530.0	< 0.005	< 0.025	< 0.025
GW-12	920810	< 0.005	< 0.015	14.0	28.0 J	< 0.005	< 0.025	< 0.025
GW-12	921111	< 0.005	< 0.015	13.0	35.0	< 0.005	< 0.025	< 0.025
GW-17D	920805	< 0.050	< 0.015	100.0	1700.0	< 0.005	< 0.025	0.051
GW-17D	921103	< 0.025	< 0.015	95.0	1900.0	< 0.005	< 0.025	0.047 J
GW-17S	921103	< 0.005	< 0.015	55.0	170.0	< 0.005	< 0.025	0.035
GW-18D	920806	< 0.005	< 0.015	47.0	280.0 J	< 0.005	< 0.025	0.210
GW-18D	921109	< 0.005	< 0.015	56.0	300.0	< 0.005	< 0.025	0.290
GW-19D	920804	< 0.025	< 0.015	130.0	420.0	< 0.005	< 0.025	< 0.025
GW-19D	921109	< 0.010 R	< 0.015	110.0	740.0	< 0.005 UJ	< 0.025	< 0.025
GW-19D	921109	< 0.010	< 0.015	110.0	710.0	< 0.005	< 0.025	< 0.025
GW-21D	921106	< 0.005	< 0.015	23.0	13.0	< 0.005	< 0.025	< 0.025
GW-21S	921106	< 0.005	< 0.015	15.0	5.8	< 0.005	< 0.025	< 0.025
GW-22D	920812	< 0.500	< 0.075		33000.0 J	< 0.130	0.320	9.500

concentration: mg/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	SE, DISS	AG, DISS	NA, DISS	SO4, TOT	TL, DISS	V, DISS	ZN, DISS
GW-22D	921105	< 0.500	< 0.015	12000.0	28000.0	< 0.100	0.530	8.800
GW-22S	920812	< 0.005	< 0.015	15.0	370.0 J	< 0.005	< 0.025	< 0.025
GW-22S	921105	< 0.005	< 0.015	16.0	300.0	< 0.005	< 0.025	< 0.025
GW-25	920810	< 0.010	< 0.015	390.0	1700.0 J	< 0.005	< 0.025	1.200
GW-25	921116	< 0.005	< 0.015	220.0	840.0	< 0.005	< 0.025	0.790
GW-26	920810	< 0.005	< 0.015	110.0	31.0 J	< 0.005	< 0.025	0.330
GW-26	921113	< 0.005	< 0.015	110.0	130.0	< 0.005	< 0.025	0.130
GW-27D	920812	< 0.250	< 0.015	3800.0	18000.0 J	< 0.005	< 0.025	3.700
GW-27D	921109	< 0.250	< 0.015	5200.0	18000.0	< 0.050	< 0.025	3.200
GW-27S	920812	< 0.005	< 0.015	160.0	1200.0 J	< 0.005	< 0.025	< 0.025
GW-27S	921109	< 0.010	< 0.015	180.0	1100.0	< 0.005	< 0.025	< 0.025
GW-28D	920810	< 0.005	< 0.015	41.0	99.0 J	< 0.005	< 0.025	0.027
GW-28D	921106	< 0.005	< 0.015	58.0	120.0	< 0.005	< 0.025	< 0.025
GW-28S	920810	< 0.005	< 0.015	30.0	63.0 J	< 0.005	< 0.025	< 0.025
GW-28S	921106	< 0.005	< 0.015	61.0	130.0	< 0.005	< 0.025	< 0.025
GW-29D	920810	< 0.005	< 0.015	480.0	510.0 J	< 0.005	< 0.025	0.031
GW-29D	921106	< 0.005	< 0.015	450.0	660.0	< 0.010	< 0.025	< 0.025
GW-29S	920810	< 0.005	< 0.015	40.0	55.0 J	< 0.005	< 0.025	0.097
GW-29S	921106	< 0.005	< 0.015	47.0	15.0	< 0.010	< 0.025	0.077
GW-30DR	920804	< 0.630	< 0.075	17000.0	72000.0	< 0.025	2.300	13.000
GW-30DR	921109	< 0.500	< 0.015	17000.0	87000.0	< 0.250	1.800	14.000
GW-31D	920803	< 0.005	< 0.015	49.0	36.0	< 0.005	0.035	< 0.025
GW-31D	921102	< 0.005	< 0.015	48.0	37.0	< 0.005	0.039	0.037
GW-31S	920803	< 0.005	< 0.015	37.0	28.0	< 0.005	< 0.025	0.069
GW-31S	921102	< 0.005	< 0.015	38.0	30.0 J	< 0.005	< 0.025	0.066
GW-32D	920803	< 0.005	< 0.015	340.0	130.0	< 0.005	< 0.025	< 0.025
GW-32D	921102	< 0.005	< 0.015	340.0	140.0	< 0.005	< 0.025	< 0.025
GW-32S	920803	< 0.005	< 0.015	55.0	13.0	< 0.005	< 0.025	0.100
GW-32S	921102	< 0.005	< 0.015	81.0	29.0	< 0.005	< 0.025	0.083
GW-33D	920803	< 0.005	< 0.015	140.0	40.0	< 0.005	< 0.025	< 0.025
GW-33D	921103	< 0.005	< 0.015	130.0	64.0	< 0.005	< 0.025	< 0.025

concentration: mg/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	SE, DISS	AG, DISS	NA, DISS	SO4, TOT	TL, DISS	V, DISS	ZN, DISS
GW-33S	920803	< 0.005	< 0.015	61.0	29.0	< 0.005	< 0.025	< 0.025
GW-33S	921103	< 0.005	< 0.015	71.0	39.0	< 0.005	< 0.025	< 0.025
GW-34D	920804	< 0.025	< 0.015	770.0	2800.0	< 0.005	< 0.025	0.640
GW-34D	921105	< 0.050	< 0.015	540.0	2300.0	< 0.005	< 0.025	0.390
GW-34S	920804	< 0.005	< 0.015	15.0	15.0	< 0.005	< 0.025	0.047
GW-34S	921105	< 0.005	< 0.015	20.0	32.0	< 0.005	< 0.025	0.038
GW-35D	920804	< 0.630	< 0.075	16000.0	58000.0	< 0.025	1.800	13.000
GW-35D	921105	< 0.100	0.048	1300.0	5600.0	< 0.025	< 0.025	1.100
GW-35D	921110							
GW-35S	920804	< 0.025	< 0.015	110.0	460.0	< 0.005	< 0.025	< 0.025
GW-35S	921105	< 0.005	< 0.015	79.0	990.0	< 0.005	< 0.025	< 0.025
GW-36	920811	< 1.300	< 0.075	16000.0	67000.0 J	< 0.025	1.800	13.000
GW-36	921116	< 0.500	< 0.030	17000.0	61000.0	< 0.200	1.500	12.000
GW-37	920811	< 1.300	< 0.075	14000.0	49000.0 J	< 0.025	0.850	11.000
GW-37	921116	< 0.500	< 0.030	16000.0	58000.0	< 0.200	0.800	11.000
GW-38	920804	< 0.500	< 0.075	8000.0	43000.0	< 0.025	0.250	7.100
GW-38	921109	< 0.250	< 0.015	4700.0	24000.0	< 0.050	0.130	4.100
GW-39	920806	< 0.005	< 0.015	13.0	390.0	< 0.005	< 0.025	< 0.025
GW-39	921111	< 0.005	< 0.015	8.9	260.0	< 0.005	< 0.025	< 0.025
GW-40D	920811	< 0.025	< 0.015	220.0	1400.0 J	< 0.005	< 0.025	< 0.025
GW-40D	920811	< 0.005	< 0.015 UJ	220.0	1100.0 J	< 0.005	< 0.025	< 0.025
GW-40D	921111	< 0.005	< 0.015	190.0	780.0	< 0.005	< 0.025	< 0.025
GW-40S	920811	< 0.005	< 0.015	2.6	49.0 J	< 0.005	< 0.025	0.043
GW-40S	921111	< 0.005	< 0.015	2.6	35.0	< 0.005	< 0.025	0.041
GW-42D	920805	< 1.300 R	< 0.075	21000.0	69000.0	< 0.050 R	0.600 J	12.000
GW-42D	920805	< 0.630	< 0.075	22000.0	60000.0	< 0.025	0.690	13.000
GW-42D	921111	< 0.500 R	0.051 J	22000.0	81000.0	< 0.250 R	0.490 J	12.000
GW-42D	921111	< 0.500	0.024	22000.0	78000.0	< 0.250	0.530	7.900
GW-42S	920805	< 0.005	< 0.015	17.0	54.0	< 0.005	< 0.025	< 0.025
GW-42S	921111	< 0.005	< 0.015	15.0	54.0	< 0.005	< 0.025	< 0.025
GW-43D	920805	< 0.250	< 0.075	6600.0 J	15000.0 J	< 0.025	0.340 J	2.700 J

concentration: mg/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	SE, DISS	AG, DISS	NA, DISS	SO4, TOT	TL, DISS	V, DISS	ZN, DISS
GW-43D	920805	< 0.250	< 0.075	3800.0 J	15000.0 J	< 0.025	0.150 J	5.900 J
GW-43D	921111	< 0.100	< 0.015	3400.0	16000.0	< 0.100	0.110	2.000 J
GW-43D	921111	< 0.100	< 0.015	5100.0	15000.0	< 0.100	0.180	3.600 J
GW-43S	920805	< 0.005	< 0.015	20.0	33.0 J	< 0.005	< 0.025	< 0.025
GW-43S	921111	< 0.005	< 0.015	29.0	61.0	< 0.005	< 0.025	< 0.025
GW-44D	920812	< 0.500	< 0.075	11000.0	39000.0 J	< 0.130	0.220	11.000
GW-44D	921110	< 0.500	< 0.015	11000.0	40000.0	< 0.500	0.180	9.300
GW-44S	920812	< 0.005	< 0.015	26.0	36.0 J	< 0.005	< 0.025	0.029
GW-44S	921110	< 0.005	< 0.015	29.0	31.0	< 0.005	< 0.025	< 0.025
GW-45D	920810	< 0.500	< 0.075	8900.0	30000.0 J	< 0.025	< 0.130	9.300
GW-45D	921112	< 0.500	< 0.030	7900.0	31000.0	< 0.200	0.120	8.800
GW-45S	920810	< 0.005	< 0.015	49.0	42.0 J	< 0.005	< 0.025	< 0.025
GW-45S	921112	< 0.005	< 0.015	46.0	29.0	< 0.005	< 0.025	< 0.025
GW-46D	920811	< 0.005	< 0.015	24.0	17.0 J	< 0.005	< 0.025	< 0.025
GW-46D	921117	< 0.005	< 0.015	25.0	18.0	< 0.005	< 0.025	< 0.025
GW-47	920813	< 0.005	< 0.015	2.5	12.0 J	< 0.005	< 0.025	< 0.025
GW-47	921118	< 0.005	< 0.015	6.4	26.0	< 0.005	< 0.025	< 0.025
GW-48D	920812	< 0.005	< 0.015	12.0	13.0 J	< 0.005	< 0.025	< 0.025
GW-48D	921117	< 0.005	< 0.015 UJ	14.0	20.0	< 0.005	< 0.025	< 0.025
GW-48S	920812	< 0.005	< 0.015	8.3	32.0 J	< 0.005	< 0.025	< 0.025
GW-48S	921117	< 0.005	< 0.015	6.8	29.0	< 0.005	< 0.025	0.029
GW-49D	920812	< 0.010	< 0.015	42.0	< 1.0 UJ	< 0.005	< 0.025	< 0.025
GW-49D	921116	< 0.005	< 0.015	41.0	< 4.0	< 0.005	< 0.025	< 0.025
GW-50D	920805	< 0.050 R	< 0.015	1400.0	5500.0 J	< 0.005	< 0.025	0.077
GW-50D	920805	< 0.050	< 0.015	1500.0	20000.0 J	< 0.005	< 0.025	0.070
GW-50D	921104	< 0.050 R	< 0.015 J	1500.0	5800.0	< 0.025 R	< 0.025	0.062
GW-50D	921104	< 0.050	< 0.015	1500.0	6500.0	< 0.025	< 0.025	0.058
GW-50S	920806	< 0.005	< 0.015	170.0	650.0 J	< 0.005	< 0.025	< 0.025
GW-50S	921104	< 0.005	< 0.015	190.0	760.0	< 0.005	< 0.025	< 0.025
GW-51D	920805	< 0.050	< 0.015	57.0	470.0	< 0.005	< 0.025	0.029
GW-51D	921103	< 0.010	< 0.015	81.0	1000.0	< 0.005	< 0.025	0.039

concentration: mg/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	SE, DISS	AG, DISS	NA, DISS	SO4, TOT	TL, DISS	V, DISS	ZN, DISS
GW-51S	920805	< 0.050	< 0.015	15.0	410.0	< 0.005	< 0.025	0.034
GW-51S	921103	< 0.005	< 0.015	12.0	290.0	< 0.005	< 0.025	0.031
GW-52D	920804	< 0.005	< 0.075	130.0	170.0	< 0.005	0.130	< 0.130
GW-52D	921103	< 0.005	< 0.015 J	190.0	250.0	< 0.005	0.100	< 0.025
GW-52S	920804	< 0.005	< 0.015	35.0	32.0	< 0.005	< 0.025	< 0.025
GW-52S	921103	< 0.005	< 0.015	33.0	33.0	< 0.005	0.054	< 0.025
GW-53D	920804	< 0.005	< 0.015	49.0	52.0	< 0.005	< 0.025	< 0.025
GW-53D	921103	< 0.005	< 0.015	44.0	48.0	< 0.005	< 0.025	< 0.025
GW-53S	920804	< 0.005	< 0.015	2.0	11.0	< 0.005	< 0.025	< 0.025
GW-53S	921103	< 0.005	< 0.015	1.3	4.4	< 0.005	< 0.025	< 0.025
GW-54D	920803	< 0.005	< 0.015	24.0	100.0	< 0.005	< 0.025	0.038
GW-54D	921103	< 0.005	< 0.015	19.0	110.0	< 0.005	< 0.025	0.034
GW-54S	920803	< 0.005	< 0.015	19.0	36.0	< 0.005	< 0.025	< 0.025
GW-54S	921103	< 0.005	< 0.015	15.0	41.0	< 0.005	< 0.025	< 0.025
GW-55D	920805	< 0.050 R	< 0.015	1700.0	6500.0	< 0.005 UJ	0.085 J	0.095
GW-55D	921102	< 0.250	< 0.015	1700.0	8400.0	< 0.025	0.091	0.079
GW-55S	920805	< 0.050	< 0.015	410.0	1700.0 J	< 0.005	< 0.025	0.036
GW-55S	921102	< 0.025	< 0.015	340.0	1400.0	< 0.005	< 0.025	0.062
GW-56D	920806	< 0.050	< 0.015	100.0	430.0 J	< 0.005	< 0.025	< 0.025
GW-56D	921102	< 0.005	< 0.015	180.0	240.0	< 0.005	< 0.025	< 0.025
GW-56S	920806	< 0.005	< 0.015	51.0	200.0 J	< 0.005	< 0.025	< 0.025
GW-56S	921102	< 0.005	< 0.015	110.0	410.0	< 0.005	< 0.025	< 0.025
GW-57D	920806	< 0.005	< 0.015	51.0	22.0	< 0.005	< 0.025	< 0.025
GW-57D	921117	< 0.005	< 0.015 UJ	42.0	26.0	< 0.005	< 0.025	< 0.025
GW-58D	920811	< 0.025	< 0.015	460.0	610.0 J	< 0.005	< 0.025	0.100
GW-58D	921112	< 0.050	< 0.015	700.0	2700.0	< 0.005	< 0.025	0.150
GW-58S	920811	< 0.005	< 0.015	66.0	34.0 J	< 0.005	< 0.025	< 0.025
GW-58S	921112	< 0.005	< 0.015	63.0	30.0	< 0.005	< 0.025	< 0.025
GW-59D	920806	< 0.500	< 0.015	8400.0	34000.0 J	< 0.050	0.460	12.000
GW-59D	920806	< 0.500	< 0.015	8900.0	31000.0 J	< 0.050	0.420	11.000
GW-59D	921110	< 0.500 R	< 0.015	8000.0	31000.0 J	< 0.100 R	0.420	11.000

concentration: mg/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	SE, DISS	AG, DISS	NA, DISS	SO4, TOT	TL, DISS	V, DISS	ZN, DISS
GW-59D	921110	< 0.250	< 0.015	8100.0	15000.0 J	< 0.250	0.450	11.000
GW-59S	920806	< 0.005	< 0.015	53.0	24.0 J	< 0.005	< 0.025	< 0.025
GW-59S	921110	< 0.005	< 0.015	45.0	19.0	< 0.005	< 0.025	< 0.025
GW-60D	920811	< 0.005	< 0.015	29.0	9.6 J	< 0.005	< 0.025	< 0.025
GW-60D	921117	< 0.005	< 0.015	27.0	14.0	< 0.005	< 0.025	< 0.025
GW-60S	920811	< 0.005	< 0.015	31.0	18.0 J	< 0.005	< 0.025	0.055
GW-60S	921117	< 0.005	< 0.015	26.0	15.0	< 0.005	< 0.025	0.074
GW-61BR	921218	< 0.005	< 0.015	24.0	50.0	< 0.005	< 0.025	< 0.025
GW-61D	920812	< 0.005	< 0.015	67.0	22.0 J	< 0.005	< 0.025	< 0.025
GW-61D	921113	< 0.005	< 0.015	66.0	22.0	< 0.005	< 0.025	0.026
GW-61S	920812	< 0.005	< 0.015	42.0	16.0 J	< 0.005	< 0.025	< 0.025
GW-61S	921113	< 0.005	< 0.015	41.0	16.0	< 0.005	< 0.025	< 0.025
GW-62BR	920813	< 0.050	< 0.015	1400.0	2900.0 J	< 0.005	< 0.025	0.028
GW-62BR	921119	< 0.025	< 0.015 UJ	2300.0	4900.0	< 0.025 UJ	< 0.025	0.042 J
GW-62BRD	930107	< 0.01 R	< 0.015	510	2600	< 0.005	< 0.025	< 0.025
GW-62D	920811	< 0.005	< 0.015	54.0	89.0 J	< 0.005	< 0.025	< 0.025
GW-62D	921116	< 0.005	< 0.015	52.0	98.0	< 0.005	< 0.025	< 0.025
GW-62M	920811	< 0.005	< 0.015	28.0	33.0 J	< 0.005	< 0.025	< 0.025
GW-62M	921116	< 0.005	< 0.015	29.0	30.0	< 0.005	< 0.025	< 0.025
GW-62S	920811	< 0.005	< 0.015	25.0	41.0 J	< 0.005	< 0.025	< 0.025
GW-62S	921116	< 0.005	< 0.015	27.0	37.0	< 0.005	< 0.025	< 0.025
GW-63D	920812	< 0.005	< 0.015	38.0	25.0 J	< 0.005	< 0.025	< 0.025
GW-63D	921118	< 0.005	< 0.015	44.0	37.0	< 0.005	< 0.025	< 0.025
GW-63S	920812	< 0.005	< 0.015	44.0	23.0 J	< 0.005	< 0.025	< 0.025
GW-63S	921118	< 0.005	< 0.015	42.0	13.0	< 0.005	< 0.025	< 0.025
GW-64D	920812	< 0.005	< 0.015	86.0	160.0 J	< 0.005	< 0.025	< 0.025
GW-64D	920812	< 0.010	< 0.015	76.0	160.0 J	< 0.005	< 0.025	< 0.025
GW-64D	921118	< 0.005	< 0.015	73.0	140.0	< 0.005	< 0.025	< 0.025
GW-64S	920812	< 0.005	< 0.015	38.0	14.0 J	< 0.005	< 0.025	< 0.025
GW-64S	921118	< 0.005	< 0.015	30.0	9.5	< 0.005	< 0.025	< 0.025
GW-65D	920813	< 0.005	< 0.015	24.0	28.0 J	< 0.005	< 0.025	0.026

concentration: mg/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	SE, DISS	AG, DISS	NA, DISS	SO4, TOT	TL, DISS	V, DISS	ZN, DISS
GW-65D	921118	< 0.005	< 0.015	26.0	32.0	< 0.005	< 0.025	0.026
GW-65S	920813	< 0.005	< 0.015	39.0	20.0 J	< 0.005	< 0.025	< 0.025
GW-65S	921118	< 0.005	< 0.015	32.0	7.5	< 0.005	< 0.025	< 0.025
GW-65S	921118	< 0.005	< 0.015	25.0	30.0	< 0.005	< 0.025	0.027
GW-66D	920811	< 0.005	< 0.015	29.0	25.0 J	< 0.005	< 0.025	< 0.025
GW-66D	921112	< 0.005	< 0.015	30.0	19.0	< 0.005	< 0.025	< 0.025
GW-66S	920811	< 0.005	< 0.015	25.0	17.0 J	< 0.005	< 0.025	< 0.025
GW-66S	921112	< 0.005	< 0.015	28.0	13.0	< 0.005	< 0.025	< 0.025
GW-67D	921113	< 0.005	< 0.015	100.0	55.0	< 0.005	< 0.025	0.029
GW-67S	921113	< 0.005	< 0.015	19.0	17.0	< 0.005	< 0.025	< 0.025
GW-68BR	921217	< 0.005	< 0.015	77.0	84.0	< 0.005	< 0.025	< 0.025
GW-68D	920806	< 0.005	< 0.015	25.0	38.0 J	< 0.005	< 0.025	< 0.025
GW-68D	921111	< 0.005	< 0.015	19.0	31.0	< 0.005	< 0.025	< 0.025
GW-69D	920806	< 0.050	< 0.015	1800.0	9200.0 J	< 0.005	< 0.025	2.200
GW-69D	921116	< 0.100	< 0.015	1900.0	9000.0	< 0.005	< 0.025	2.000
GW-69S	920806	< 0.005	< 0.015	9.3	14.0 J	< 0.005	< 0.025	< 0.025
GW-69S	921116	< 0.005	< 0.015	15.0	12.0	< 0.005	< 0.025	< 0.025
GW-70D	920810	< 0.250	0.057	6000.0	16000.0 J	< 0.050	0.230	1.900
GW-70D	921112	< 0.100	0.062	6300.0	19000.0	< 0.250	0.310	2.000
GW-70S	920810	< 0.005	< 0.015	40.0	150.0 J	< 0.005	< 0.025	< 0.025
GW-70S	921112	< 0.005	< 0.015	41.0	58.0	< 0.005	< 0.025	< 0.025
GW-71D	921217	< 0.005	< 0.015 J	34.0	55.0	< 0.005	< 0.025	< 0.025
GW-71S	921217	< 0.005	< 0.015	24.0	15.0	< 0.005	< 0.025	< 0.025
GW-72D	921117	< 0.005	< 0.015	9.7	29.0	< 0.005	< 0.025	< 0.025
GW-73D	930420	< 0.005	< 0.015	31	25	< 0.005	< 0.025	< 0.025
GW-73S	930420	< 0.005	< 0.015	2.1	9.7	< 0.005	< 0.025	< 0.025
GW-74D	930420	< 0.005	< 0.015	32	24	< 0.005	< 0.025	< 0.025
GW-74S	930420	< 0.005	< 0.015	31	21	< 0.005	< 0.025	< 0.025
GW-75D	930507	< 0.005	< 0.015	56	50	< 0.005	< 0.025	< 0.025
GW-75S	930507	< 0.005	< 0.015	13	18	< 0.005	< 0.025	0.025
IW-04	920812	< 0.005	< 0.015	51.0	33.0 J	< 0.005	< 0.025	< 0.025
IW-04	921110	< 0.005	< 0.015	82.0	9.9	< 0.005	< 0.025	0.030
IW-11	921110	< 0.005	< 0.015	49.0	140.0	< 0.005	< 0.025	0.055

concentration: mg/l

SUMMARY OF ROUND 1 & 2 GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	SE, DISS	AG, DISS	NA, DISS	SO4, TOT	TL, DISS	V, DISS	ZN, DISS
IW-11 *	920812	< 0.005	< 0.015	25.0	2.5	< 0.005	< 0.025	0.430
SL-01D	920810	< 0.005	< 0.015	6.0	68.0 J	< 0.005	< 0.025	0.027
SL-01D	921109	< 0.005	< 0.015	11.0	72.0	< 0.005	< 0.025	< 0.025
SL-01S	920810	< 0.005	< 0.015	2.6	24.0 J	< 0.005	< 0.025	0.100
SL-06	920806	< 0.010	< 0.015	280.0	1500.0 J	< 0.005	< 0.025	< 0.025
SL-06	921109	< 0.025	< 0.015	390.0	1400.0	< 0.005	< 0.025	< 0.025

* - sample unfiltered, results indicate both dissolved and adsorbed inorganics

concentration: mg/l

TAB 23

SUMMARY OF SURFACE WATER DATA PREVIOUS TO ROUND 1

SUMMARY OF SURFACE WATER DATA PREVIOUS TO ROUND 1 - VOC's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	111TCE	2TCLEA	112TCE	11DCLE	11DCE	12DCLE	12DCE	12DCLP	244TM1P	244TM2P	MEK
SW-01	911210	1 J	< 5	< 5	< 5	< 5	< 5	< 5	< 5	21	7 J	2 U
SW-02	911210	1 J	< 5	< 5	< 5	< 5	< 5	< 5	< 5	13	5 J	< 15

LOCATION	DATE	MNBK	MIBK	ACET	C6H6	BRDCLM	CHBR3	CH3BR	CS2	CCL4	CLC6H5	C2H5CL
SW-01	911210	< 15	< 15	5 U	< 5	1 J	3 J	< 10	< 10	< 5	< 5	< 10
SW-02	911210	< 15	< 15	5 U	< 5	< 5	2 J	< 10	< 10	< 5	< 5	< 10

LOCATION	DATE	CCL3	CH3CL	C13DCP	DBRCLM	ETC6H5	C2CL2	STYR	TCLEE	MEC6H5	T13DCP	TRCLE
SW-01	911210	1 U	< 10	< 5	1 J	< 5	1 U	< 5	6 U	1 U	< 5	< 5
SW-02	911210	1 U	< 10	< 5	1 J	< 5	1 U	< 5	16 U	1 U	< 5	< 5

LOCATION	DATE	C2AVE	C2H3CL	TXYLEN
SW-01	911210	< 15	< 10	1 J
SW-02	911210	< 15	< 10	< 5

concentration units: ug/l

SUMMARY OF SURFACE WATER DATA PREVIOUS TO ROUND 1 - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	124TCB	12DCLB	13DCLB	14DCLB	245TCP	246TCP	24DCLP	24DMPN	24DNP	24DNT	26DNT
SW-01	911210	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 50	< 10	< 10
SW-02	911210	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 50	< 10	< 10

WELL	DATE	2CNAP	2CLP	2MNAP	2MP	2NANIL	2NP	33DCBD	3NANIL	46DN2C	4BRPPE	4CL3MP
SW-01	911210	< 10	< 10	< 10	< 10	< 50	< 10	< 20	< 50	< 50	< 10	< 10
SW-02	911210	< 10	< 10	< 10	< 10	< 50	< 10	< 20	< 50	< 50	< 10	< 10

WELL	DATE	4CANIL	4CLPPE	4MP	4NANIL	4NP	ANAPNE	ANAPYL	ANTRC	BAANTR	BAPYR	BBFANT
SW-01	911210	< 10	< 10	< 10	< 50	< 50	< 10	< 10	< 10	< 10	< 10	< 10
SW-02	911210	< 10	< 10	< 10	< 50	< 50	< 10	< 10	< 10	< 10	< 10	< 10

LOCATION	DATE	BGHIPY	BKFANT	BENZOA	BZALC	B2CEXM	B2CLEE	B2CIPE	B2EHP	BBZP	CHRY	DNBP
SW-01	911210	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-02	911210	< 10	< 10	< 50	< 10	< 10	< 10	< 10	4 J	< 10	< 10	< 10

LOCATION	DATE	DNOP	DBAHA	DBZFUR	DEP	DMP	FANT	FLRENE	CL6BZ	HCBD	CL6CP	CL6ET
SW-01	911210	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-02	911210	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

LOCATION	DATE	ICDPYR	ISOPHR	NNDNPA	NNDPA	NAP	NB	PCP	PHANTR	PHENOL	PYR
SW-01	911210	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10
SW-02	911210	< 10	< 10	< 10	5 J	< 10	< 10	< 50	< 10	< 10	< 10

concentration units: ug/l

SUMMARY OF SURFACE WATER DATA PREVIOUS TO ROUND 1 - PESTICIDE's AND PCB's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	44DDD	44DDE	44DDT	ALDRN	ABHC	ACLDAN	BBHC	DBHC	DLDRN	AENSLF	BENSLF
SW-01	911210	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	0.16	< 0.05	< 0.1	< 0.05	< 0.1
SW-02	911210	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	0.11	< 0.05	< 0.1	< 0.05	< 0.1

LOCATION	DATE	ESFSO4	ENDRN	ENDRNK	LIN	GCLDAN	HPCL	HPCLE	MEOXCL	PCB016	PCB221	PCB232
SW-01	911210	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 0.5	< 0.5	< 0.5
SW-02	911210	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 0.5	< 0.5	< 0.5

LOCATION	DATE	PCB242	PCB248	PCB254	PCB260	TXPHEN
SW-01	911210	< 0.5	< 0.5	< 1	< 1	< 1
SW-02	911210	< 0.5	< 0.5	< 1	< 1	< 1

concentration units: ug/l

SUMMARY OF SURFACE WATER DATA PREVIOUS TO ROUND 1 - INORGANIC's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	AL, TOT	SB, TOT	AS, TOT	BA, TOT	BE, TOT	CD, TOT	CA, TOT	CL, TOT	CR, TOT	CO, TOT	CU, TOT
SW-01	911210	10	< 0.005	< 0.005	0.023	< 0.015	< 0.01	39	210	2.5	0.045	0.029
SW-02	911210	4.5	< 0.005	< 0.005	0.023	< 0.015	< 0.01	44	180 J	0.92	0.029	< 0.025

LOCATION	DATE	CYN, TOT	FE, TOT	PB, TOT	MG, TOT	MN, TOT	HG, TOT	NI, TOT	AMMONIA AS N	K, TOT	SE, TOT	AG, TOT
SW-01	911210	< 0.02 UJ	5	< 0.005	13	2.2	< 0.0002	0.043	95	2.5	< 0.025	< 0.015
SW-02	911210	< 0.02	3.3	< 0.01	10	1.6	< 0.0002	< 0.04	86	2.2	< 0.025	< 0.015

LOCATION	DATE	NA, TOT	SO4, TOT	TL, TOT	V, TOT	ZN, TOT
SW-01	911210	160	580	< 0.005	< 0.025	0.12
SW-02	911210	150	530	< 0.005	< 0.025	0.1

concentration units: mg/l

TAB 24

SUMMARY OF ROUND 1&2 SURFACE WATER DATA

SUMMARY OF ROUND 1 & 2 SURFACE WATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	AL, TOT	SB, TOT	AS, TOT	BA, TOT	BE, TOT	CD, TOT	CA, TOT	CL, TOT	CRHEXT	CR, TOT	CO, TOT
SW-01	920831	< 0.10	< 0.005	< 0.005	0.018	< 0.015	< 0.01	26.0	48		< 0.015	< 0.015
SW-01	921130	< 0.10	< 0.005	0.006	0.021	< 0.015	< 0.01	26.0	47		< 0.015	< 0.015
SW-02	920831	< 0.10	< 0.005	< 0.005	0.017	< 0.015	< 0.01	26.0	50		< 0.015	< 0.015
SW-02	921130	< 0.10	< 0.005	< 0.005	0.020	< 0.015	< 0.01	26.0	48		< 0.015	< 0.015
SW-03	920831	< 0.10	< 0.005	< 0.005	0.019	< 0.015	< 0.01	26.0	48		< 0.015	< 0.015
SW-03	921130	< 0.10	< 0.005	< 0.005	0.021	< 0.015	< 0.01	26.0	47		< 0.015	< 0.015
SW-04	920831	< 0.10	< 0.005	< 0.005	0.013	< 0.015	< 0.01	25.0	47		< 0.015	< 0.015
SW-04	921130	0.29	< 0.005	< 0.005	0.021	< 0.015	< 0.01	26.0	44		< 0.015	< 0.015
SW-05	920831	0.17	< 0.005	< 0.005	0.015	< 0.015	< 0.01	25.0	48		< 0.015	< 0.015
SW-05	921130	0.83	< 0.005	< 0.005	0.021	< 0.015	< 0.01	29.0	57		0.075	< 0.015
SW-06	920831	0.39	< 0.005	< 0.005	0.017	< 0.015	< 0.01	38.0	73		0.044	< 0.015
SW-06	921201	3.80	< 0.005	< 0.005 UJ	0.024	< 0.015	< 0.01	38.0	170	0.028 J	0.390	< 0.015
SW-06	921201	2.70	< 0.005	< 0.005	0.018	< 0.015	< 0.01	32.0	170	0.033 J	0.250	< 0.015
SW-07	920901	0.72	< 0.005	< 0.005	0.019	< 0.015	< 0.01	57.0	150		0.120	0.021
SW-07	921201	12.00	< 0.005	< 0.005	0.019	< 0.015	< 0.01	27.0	140		1.700	< 0.015
SW-08	920901	0.64	< 0.005	< 0.005	0.010	< 0.015	< 0.01	52.0	160		0.180	< 0.015
SW-08	921201	1.10	< 0.005	< 0.005	0.017	< 0.015	< 0.01	80.0	140	0.074 J	0.057	< 0.015
SW-09	920901	0.15	< 0.005	< 0.005	0.009	< 0.015	< 0.01	32.0	180		0.027	< 0.015
SW-09	921201	4.70	< 0.005	< 0.005	0.016	< 0.015	< 0.01	23.0	190		0.720	< 0.015
SW-10	920901	0.34	< 0.005	< 0.005	0.010	< 0.015	< 0.01	32.0	170		0.054	< 0.015
SW-10	921201	2.40	< 0.005	< 0.005	0.017	< 0.015	< 0.01	24.0	190		0.440	< 0.015
SW-11	920901	0.20	< 0.005	< 0.005	0.011	< 0.015	< 0.01	29.0	170		0.034	< 0.015
SW-11	921201	3.00	< 0.005	< 0.005	0.016	< 0.015	< 0.01	25.0	190		0.520	0.025
SW-12	920902	0.31	< 0.005	0.005	0.008	< 0.015	< 0.01	6.8	220		< 0.015	< 0.015
SW-12	921201	0.17	< 0.005	0.012	0.007	< 0.015	< 0.01	4.0	260		< 0.015	< 0.015
SW-13	920902	< 0.10	< 0.005	< 0.005	< 0.005	< 0.015	< 0.01	6.8	220		< 0.015	< 0.015
SW-13	921201	0.21	< 0.005	0.005	0.009	< 0.015	< 0.01	6.9	180	< 0.015 UJ	< 0.015	< 0.015
SW-14	920901	1.70	< 0.005	< 0.005	0.020	< 0.015	< 0.01	40.0	96		0.320	< 0.015
SW-14	921201	6.90	< 0.005	< 0.005	0.029	< 0.015	< 0.01	38.0	170		1.200	0.046
SW-15	920902	59.00	< 0.005	0.015	0.019	< 0.015	< 0.01	14.0	220		0.550	< 0.015
SW-15	921202	< 0.10	< 0.005	< 0.005	0.040	< 0.015	< 0.01	15.0	130		< 0.015	< 0.015
SW-16	920902	24.00	< 0.005	0.014	0.034	< 0.015	< 0.01	32.0	590		12.000	0.046
SW-16	921202	34.00	< 0.005	< 0.005	0.027	< 0.015	< 0.01	37.0	200	0.200 J	9.900	0.110

SUMMARY OF ROUND 1 & 2 SURFACE WATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	AL, TOT	SB, TOT	AS, TOT	BA, TOT	BE, TOT	CD, TOT	CA, TOT	CL, TOT	CRHEXT	CR, TOT	CO, TOT
SW-17	920901	52.00	< 0.005	< 0.005	0.027	< 0.015	< 0.01	58.0	180	0.250 J	11.000	0.089
SW-17	920901	29.00 J	< 0.005	0.018	0.026	< 0.015	< 0.01	54.0	160	0.400 J	5.400	0.079
SW-17	921202	17.00 J	< 0.005	< 0.005	0.021	< 0.015	< 0.01	36.0	94	0.051 J	2.800 J	< 0.015
SW-17	921202	8.10 J	< 0.005	< 0.005 UJ	0.025	< 0.015	< 0.01	38.0	100	0.051 J	1.500 J	0.016
SW-18	920902	8.50	< 0.005	< 0.005	0.026	< 0.015	< 0.01	24.0	44		0.560	< 0.015
SW-18	921202	0.32	< 0.005	< 0.005	0.018	< 0.015	< 0.01	19.0	32		0.032	< 0.015
SW-19	921203	8.80	< 0.005	< 0.005	0.040	< 0.015	< 0.01	140.0	30		0.077	< 0.015
SW-20	921201	21.00	< 0.025	0.250	0.055	< 0.015	< 0.01	30.0	21		0.130	0.020
SW-21	921201	5.90	< 0.005	< 0.005	0.032	< 0.015	< 0.01	30.0	19		< 0.015	< 0.015
SW-22	921201	1.20	< 0.005	< 0.005	0.026	< 0.015	< 0.01	41.0	13		< 0.015	< 0.015
SW-23	921202	3.20	< 0.005	< 0.005	0.020	< 0.015	< 0.01	32.0	95	0.024 J	0.400	< 0.015
SW-24	930107	3.5	< 0.005	0.008	0.024	< 0.015	< 0.01	34	87		0.41	< 0.015
SW-25	930325	1.4	< 0.005 UJ	< 0.005	0.02	< 0.015	< 0.01	30	71		0.17	< 0.015
SW-26	930325	2.3	< 0.005	0.035	0.024	< 0.015	< 0.01	31	69		0.27	< 0.015
SW-27	930325	1.9	< 0.005	0.037	0.039	< 0.015	< 0.01	34	87		0.22	< 0.015
SW-28	930325	0.39	< 0.005	< 0.005	0.031	< 0.015	< 0.01	26	210		0.022	< 0.015
SW-29	930420	< 0.1	< 0.005	0.005	0.029	< 0.015	< 0.01	32	92		< 0.015	< 0.015
SW-30	930420	< 0.1	< 0.005	0.006	0.029	< 0.015	< 0.01	32	92		< 0.015	< 0.015

concentration: mg/l

SUMMARY OF ROUND 1 & 2 SURFACE WATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	CU, TOT	FE, TOT	PB, TOT	MG, TOT	MN, TOT	HG, TOT	NI, TOT	NO3	NO2	AMMONIA AS N	K, TOT
SW-01	920831	< 0.025	2.40	< 0.005	3.8	0.270	< 0.0002	< 0.040			0.230	2.50
SW-01	921130	< 0.025	2.30	< 0.005	3.7	0.290	< 0.0002	< 0.040			0.340	3.30
SW-02	920831	< 0.025	1.20	< 0.005	4.0	0.360	< 0.0002	< 0.040			0.690	2.50
SW-02	921130	< 0.025	1.20	< 0.005	3.8	0.350	< 0.0002	< 0.040			0.520	3.20
SW-03	920831	< 0.025	1.40	< 0.005	4.0	0.390	< 0.0002	< 0.040			1.700	2.70
SW-03	921130	< 0.025	0.92	< 0.005	3.9	0.400	< 0.0002	< 0.040			1.800	3.00
SW-04	920831	< 0.025	1.00	< 0.005	3.9	0.240	< 0.0002	< 0.040			2.200	2.70
SW-04	921130	< 0.025	0.49	< 0.005	3.6	0.440	< 0.0002	< 0.040			2.900	3.10
SW-05	920831	< 0.025	1.50	< 0.005	3.9	0.270	< 0.0002	< 0.040			2.500	3.10
SW-05	921130	< 0.025	0.90	< 0.005	4.4	0.640	< 0.0002	< 0.040			10.000	2.80
SW-06	920831	< 0.025	2.40	< 0.005	7.0	0.910	< 0.0002	< 0.040			8.300	3.10
SW-06	921201	< 0.025	2.40	< 0.005	7.6	1.400	< 0.0002	< 0.040	5.80 J	0.610	58.000	2.50
SW-06	921201	< 0.025	1.90	< 0.005	7.0	1.100	< 0.0002	< 0.040	5.90 J	0.052	60.000	2.50
SW-07	920901	< 0.025	0.97	< 0.005	11.0	1.800	< 0.0002	< 0.040			110.000	9.40
SW-07	921201	< 0.025	3.20	< 0.005	5.8	0.980	< 0.0002	< 0.040			43.000	2.40
SW-08	920901	< 0.025	0.56	< 0.005	6.6	0.280	< 0.0002	< 0.040			63.000	2.20
SW-08	921201	< 0.025	0.35	< 0.005	5.6	0.480	< 0.0002	< 0.040	6.60 J	0.085	55.000	2.80
SW-09	920901	< 0.025	0.40	< 0.005	6.0	0.440	< 0.0002	< 0.040			40.000	2.50
SW-09	921201	< 0.025	2.70	< 0.005	6.1	0.820	< 0.0002	< 0.040			38.000	2.70
SW-10	920901	< 0.025	0.48	< 0.005	6.3	0.600	< 0.0002	< 0.040			47.000	2.50
SW-10	921201	< 0.025	2.20	< 0.005	6.2	1.100	< 0.0002	< 0.040			45.000	2.60
SW-11	920901	< 0.025	0.64	< 0.005	6.0	0.670	< 0.0002	< 0.040			41.000	2.60
SW-11	921201	< 0.025	2.40	< 0.005	6.2	1.100	< 0.0002	< 0.040			50.000	2.60
SW-12	920902	< 0.025	2.10	< 0.005	3.7	0.054	< 0.0002	< 0.040			0.160	3.70
SW-12	921201	< 0.025	0.38	< 0.005	2.3	0.017	< 0.0002	< 0.040			< 0.100	2.80
SW-13	920902	< 0.025	0.23 J	< 0.005	3.7	< 0.010	< 0.0002	< 0.040			< 0.100	3.40
SW-13	921201	< 0.025	0.20	< 0.005	1.9	0.013	< 0.0002	< 0.040	6.40 J	0.054	0.260	2.30
SW-14	920901	< 0.025	3.20	< 0.005	8.2	1.800	< 0.0002	< 0.040			65.000	2.10
SW-14	921201	< 0.025	5.10	< 0.005	12.0	2.300	< 0.0002	0.049			85.000	2.50
SW-15	920902	0.080	10.00	0.020	4.8	0.400	0.00083	< 0.040			83.000	3.20
SW-15	921202	< 0.025	0.33	< 0.005	2.4	0.220	< 0.0002	< 0.040			44.000	1.30
SW-16	920902	0.076	57.00	0.024	7.7	2.800	< 0.0002	< 0.040			380.000	4.00
SW-16	921202	0.120	28.00	0.015	17.0	4.400	< 0.0002	0.110	0.20 J	< 0.050	110.000	3.70

SUMMARY OF ROUND 1 & 2 SURFACE WATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	CU, TOT	FE, TOT	PB, TOT	MG, TOT	MN, TOT	HG, TOT	NI, TOT	NO3	NO2	AMMONIA AS N	K, TOT
SW-17	920901	0.075	14.00	0.015	21.0	4.200	< 0.0002	0.071			120.000	4.50
SW-17	920901	0.055	26.00	< 0.005	21.0	4.000	< 0.0002	0.082			89.000	4.40
SW-17	921202	< 0.025	6.60	< 0.005	9.7	1.200	< 0.0002	< 0.040	1.10 J	< 0.050	69.000	1.90
SW-17	921202	< 0.025	4.60	< 0.005	8.7	1.600	< 0.0002	< 0.040	1.30 J	< 0.050	74.000	2.30
SW-18	920902	0.030	2.80	0.008	2.7	0.230	< 0.0002	< 0.040			13.000	1.90
SW-18	921202	< 0.025	0.05	< 0.005	2.0	0.160	< 0.0002	< 0.040			3.900	1.20
SW-19	921203	< 0.025	1.40	< 0.005	3.1	0.600	< 0.0002	< 0.040			22.000	1.50
SW-20	921201	< 0.025	72.00	0.180	3.5	0.760	0.0094	< 0.040			0.590	1.40
SW-21	921201	< 0.025	0.45	< 0.005	2.5	0.740	< 0.0002	< 0.040			2.400	0.45
SW-22	921201	< 0.025	4.30	< 0.005	1.8	0.600	< 0.0002	< 0.040			< 0.100	0.62
SW-23	921202	< 0.025	1.60	< 0.005	6.3	0.850	< 0.0002	< 0.040	2.30 J	< 0.050	34.000	2.50
SW-24	930107	< 0.025	5.4	< 0.005	6.2	1.1	< 0.0002	< 0.04			24	3.9
SW-25	930325	< 0.025	1.5	< 0.005	5.2	0.87	< 0.0002	< 0.04			19	3.6
SW-26	930325	< 0.025	4.2	0.026	5.3	0.87	< 0.0002	< 0.04			18	3.9
SW-27	930325	< 0.025	5	0.03	6.7	0.95	< 0.0002	< 0.04			22	6.6
SW-28	930325	< 0.025	1.1	0.006	4.6	0.28	< 0.0002	< 0.04			5.9	4.5
SW-29	930420	< 0.025	2.1	< 0.005	4.3	0.24	< 0.0002	< 0.04			< 0.1	3.5
SW-30	930420	< 0.025	2.3	< 0.005	4.3	0.26	< 0.0002	< 0.04			0.16	3.7

concentration: mg/l

SUMMARY OF ROUND 1 & 2 SURFACE WATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	SE, TOT	AG, TOT	NA, TOT	SO4, TOT	TL, TOT	V, TOT	ZN, TOT
SW-01	920831	< 0.005	< 0.015	31	23 J	< 0.005	< 0.025	0.032
SW-01	921130	< 0.005	< 0.015	30	27	< 0.005	< 0.025	0.046
SW-02	920831	< 0.005	< 0.015	33	24 J	< 0.005	< 0.025	0.032
SW-02	921130	< 0.005	< 0.015	33	26	< 0.005	< 0.025	0.044
SW-03	920831	< 0.005	< 0.015	33	25 J	< 0.005	< 0.025	< 0.025
SW-03	921130	< 0.005	< 0.015	34	31	< 0.005	< 0.025	0.037
SW-04	920831	< 0.005	< 0.015	33	32 J	< 0.005	< 0.025	< 0.025
SW-04	921130	< 0.005	< 0.015	33	42	< 0.005	< 0.025	0.037
SW-05	920831	< 0.005	< 0.015	34	33 J	< 0.005	< 0.025	0.030
SW-05	921130	< 0.005	< 0.015	50	97	< 0.005	< 0.025	0.039
SW-06	920831	< 0.005	< 0.015	77	130 J	< 0.005	< 0.025	0.044
SW-06	921201	< 0.005	< 0.015	160	390	< 0.005	< 0.025	0.077
SW-06	921201	< 0.005	< 0.015	160	410	< 0.005	< 0.025	0.062
SW-07	920901	< 0.005	< 0.015	150	590 J	< 0.005	< 0.025	0.063
SW-07	921201	< 0.005	< 0.015	130	290	< 0.005	< 0.025	0.076
SW-08	920901	< 0.005	< 0.015	170	450 J	< 0.005	< 0.025	< 0.025
SW-08	921201	< 0.005	< 0.015	120	530	< 0.005	< 0.025	0.040
SW-09	920901	< 0.005	< 0.015	200	310 J	< 0.005	< 0.025	0.027
SW-09	921201	< 0.005	< 0.015	190	330	< 0.005	< 0.025	0.052
SW-10	920901	< 0.005	< 0.015	200	480 J	< 0.005	< 0.025	0.032
SW-10	921201	< 0.005	< 0.015	180	330	< 0.005	< 0.025	0.061
SW-11	920901	< 0.005	< 0.015	200	230 J	< 0.005	< 0.025	0.031
SW-11	921201	< 0.005	< 0.015	190	380	< 0.005	< 0.025	0.054
SW-12	920902	< 0.005	< 0.015	290	83 J	< 0.005	< 0.025	< 0.025
SW-12	921201	< 0.005	< 0.015	260	78	< 0.005	< 0.025	< 0.025
SW-13	920902	< 0.005	< 0.015	280	97 J	< 0.005	< 0.025	< 0.025
SW-13	921201	< 0.005	< 0.015	180	76	< 0.005	< 0.025	0.026
SW-14	920901	< 0.005	< 0.015	92	400 J	< 0.005	< 0.025	0.065
SW-14	921201	< 0.005	< 0.015	150	600	< 0.005	< 0.025	0.110
SW-15	920902	< 0.005 R	< 0.015	160	380 J	< 0.005	< 0.025	0.044
SW-15	921202	< 0.005	< 0.015	120	280	< 0.005	< 0.025	< 0.025
SW-16	920902	< 0.005	< 0.015	120	3000 J	< 0.005	< 0.025	0.130
SW-16	921202	< 0.005	< 0.015	210	830	< 0.005	< 0.025	0.190

SUMMARY OF ROUND 1 & 2 SURFACE WATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	SE, TOT	AG, TOT	NA, TOT	SO4, TOT	TL, TOT	V, TOT	ZN, TOT
SW-17	920901	< 0.005 R	< 0.015	220	760 J	< 0.005	< 0.025	0.180
SW-17	920901	< 0.010	< 0.015	200	520 J	< 0.005	< 0.025	0.190
SW-17	921202	< 0.005	< 0.015	110	290	< 0.005	< 0.025	0.096
SW-17	921202	< 0.005	< 0.015	130	400	< 0.005	< 0.025	0.085
SW-18	920902	< 0.005	< 0.015	31	110 J	< 0.005	< 0.025	0.077
SW-18	921202	< 0.005	< 0.015	25	78	< 0.005	< 0.025	< 0.025
SW-19	921203	< 0.005	< 0.015	33	390	< 0.005	< 0.025	0.079
SW-20	921201	< 0.025	< 0.015	15	240	< 0.025	0.190	0.096
SW-21	921201	< 0.005	< 0.015	18	290	< 0.005	< 0.025	0.053
SW-22	921201	< 0.005	< 0.015	7	120	< 0.005	< 0.025	0.074
SW-23	921202	< 0.005	< 0.015	81	270	< 0.005	< 0.025	0.066
SW-24	930107	< 0.005	< 0.015	70	190	< 0.005	< 0.025	0.084
SW-25	930325	< 0.005	< 0.015	51	150	< 0.005	< 0.025	0.083
SW-26	930325	< 0.005	< 0.015	51	150	< 0.005	< 0.025	0.13
SW-27	930325	< 0.005	< 0.015	64	27	< 0.005	< 0.025	0.2
SW-28	930325	< 0.005	< 0.015	120	32	< 0.005	< 0.025	0.097
SW-29	930420	< 0.005	< 0.015	46	26	< 0.005	< 0.025	0.035
SW-30	930420	< 0.005	< 0.015	50	26	< 0.005	< 0.025	0.03

concentration: mg/l

SUMMARY OF ROUND 1 & 2 SURFACE WATER DATA - VOC's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	111TCE	2TCLEA	112TCE	11DCLE	11DCE	12DCLE	12DCE	12DCLP	244TM1P	244TM2P	MEK
SW-01	920831	7	< 5	< 5	3	< 5	< 5	< 5	< 5	< 10	< 10	< 15
SW-01	921130	6	< 5	< 5	3 J	< 5	< 5	< 5	< 5	< 10	< 10	< 15
SW-02	920831	3	< 5	< 5	1	< 5	< 5	< 5	< 5	14	3	< 15
SW-02	921130	4 J	< 5	< 5	< 5	< 5	< 5	< 5	< 5	23	6 J	< 15
SW-03	920831	3	< 5	< 5	1	< 5	< 5	< 5	< 5	9	< 10	< 15
SW-03	921130	3 J	< 5	< 5	1 J	< 5	< 5	< 5	< 5	17	5 J	< 15
SW-04	920831	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
SW-04	921130	1 J	< 5	< 5	< 5	< 5	< 5	< 5	< 5	4 J	< 10	< 15
SW-05	920831	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
SW-05	921130	1 J	< 5	< 5	< 5	< 5	< 5	< 5	< 5	4 J	< 10	< 15
SW-06	920831	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
SW-06	921201	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	5 J	< 10	< 15
SW-06	921201	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	2 J	< 10	< 15
SW-07	920901	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
SW-07	921201	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	5 J	2 J	< 15
SW-08	920901	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
SW-08	921201	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
SW-09	920901	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
SW-09	921201	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	6 J	2 J	< 15
SW-10	920901	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
SW-10	921201	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	11	5 J	< 15
SW-11	920901	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	4	< 10	< 15
SW-11	921201	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	13	3 J	< 15
SW-12	920902	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
SW-12	921201	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
SW-13	920902	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
SW-13	921201	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
SW-14	920901	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	4	< 10	< 15
SW-14	921201	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	28	10	< 15
SW-15	920902	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	34	16	< 15
SW-15	921202	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	200	81	< 15
SW-16	920902	2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
SW-16	921202	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15

SUMMARY OF ROUND 1 & 2 SURFACE WATER DATA - VOC's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	111TCE	2TCLEA	112TCE	11DCLE	11DCE	12DCLE	12DCE	12DCLP	244TM1P	244TM2P	MEK
SW-17	920901	< 5 UJ	< 5	< 5	< 5	< 5	< 5	< 5	< 5	3	< 10	< 15
SW-17	920901	< 5 UJ	< 5	< 5	< 5	< 5	< 5	< 5	< 5	4	< 10	< 15
SW-17	921202	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	6 J	2 J	18
SW-17	921202	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
SW-18	920902	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
SW-18	921202	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
SW-19	921203	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
SW-20	921201	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
SW-21	921201	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
SW-22	921201	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 15
SW-23	921202	< 5	< 5	< 5	< 5	< 5	< 5	5	< 5	5 J	1 J	< 15
SW-24	930107	< 5	< 5	< 5	< 5	< 5	< 5	10	< 5	4 J	< 10	< 15
SW-25	930325	< 5	< 5	< 5	< 5	< 5	< 5	8	< 5	5 J	1 J	< 15
SW-26	930325	< 5	< 5	< 5	< 5	< 5	< 5	7	< 5	3 J	1 J	< 15
SW-27	930325	< 5	< 5	< 5	< 5	< 5	< 5	3 J	< 5	< 10	2 J	< 15
SW-28	930325	< 5	< 5	< 5	< 5	< 5	< 5	1 J	< 5	< 10	< 10	< 15
SW-29	930420	3 J	< 5	< 5	6	< 5	< 5	< 5	< 5	< 10	< 10	< 15
SW-30	930420	< 5	< 5	< 5	7	< 5	< 5	< 5	< 5	< 10	< 10	< 15

concentration: ug/L

SUMMARY OF ROUND 1 & 2 SURFACE WATER DATA - VOC's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	MNBK	MIBK	ACET	C6H6	BRDCLM	CHBR3	CH3BR	CS2	CCL4	CLC6H5	C2I5CL
SW-01	920831	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	5
SW-01	921130	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	14
SW-02	920831	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
SW-02	921130	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
SW-03	920831	< 15	< 15	17	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
SW-03	921130	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	5 J
SW-04	920831	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
SW-04	921130	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
SW-05	920831	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
SW-05	921130	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
SW-06	920831	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
SW-06	921201	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
SW-06	921201	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
SW-07	920901	< 15	< 15	1	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
SW-07	921201	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
SW-08	920901	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
SW-08	921201	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
SW-09	920901	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
SW-09	921201	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
SW-10	920901	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
SW-10	921201	< 15	< 15	< 15	< 5	< 5	1 J	< 10	< 10	< 5	< 5	< 10
SW-11	920901	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
SW-11	921201	< 15	< 15	< 15	< 5	< 5	1 J	< 10	< 10	< 5	< 5	< 10
SW-12	920902	< 15	< 15	9	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
SW-12	921201	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
SW-13	920902	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
SW-13	921201	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
SW-14	920901	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
SW-14	921201	< 15	< 15	< 15	< 5	< 5	3 J	< 10	< 10	< 5	< 5	< 10
SW-15	920902	21	< 15	15	< 5	< 5	< 5	< 10	< 10	1	< 5	< 10
SW-15	921202	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
SW-16	920902	< 15	< 15	21	< 5	2	7	< 10	2	< 5	< 5	< 10
SW-16	921202	< 15	< 15	< 15	< 5	< 5	1 J	< 10	< 10	< 5	< 5	< 10

SUMMARY OF ROUND 1 & 2 SURFACE WATER DATA - VOC's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	MNBK	MIBK	ACET	C6H6	BRDCLM	CHBR3	CH3BR	CS2	CCL4	CLC6H5	C2H5CL
SW-17	920901	< 15	< 15	< 15 UJ	< 5	< 5	2	< 10	< 10	< 5	< 5	< 10
SW-17	920901	< 15	< 15	< 15 UJ	< 5	< 5	2	< 10	< 10	< 5	< 5	< 10
SW-17	921202	< 15	< 15	93	< 5	< 5	3 J	< 10	< 10	< 5	< 5	< 10
SW-17	921202	< 15	< 15	< 15	< 5	< 5	2 J	< 10	< 10	< 5	< 5	< 10
SW-18	920902	1	< 15	8	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
SW-18	921202	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
SW-19	921203	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
SW-20	921201	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
SW-21	921201	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
SW-22	921201	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
SW-23	921202	< 15	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
SW-24	930107	< 15	1 J	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	2 J
SW-25	930325	< 15	2 J	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	1 J
SW-26	930325	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	1 J
SW-27	930325	< 15	1 J	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
SW-28	930325	< 15	< 15	< 15 U	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10
SW-29	930420	33	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	13
SW-30	930420	39	< 15	< 15	< 5	< 5	< 5	< 10	< 10	< 5	< 5	26

concentration: ug/L

SUMMARY OF ROUND 1 & 2 SURFACE WATER DATA - VOC's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	CCL3	CH3CL	C13DCP	DBRCLM	ETC6H5	C2CL2	STYR	TCLEE	MEC6H5	T13DCP	TRCLE
SW-01	920831	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	2	< 5	2
SW-01	921130	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	19	< 5	1 J
SW-02	920831	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	1
SW-02	921130	< 5	< 10	< 5	< 5	3 J	< 10	< 5	< 5	9	< 5	1 J
SW-03	920831	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	1
SW-03	921130	< 5	< 10	< 5	< 5	1 J	3 J	< 5	< 5	5	< 5	< 5
SW-04	920831	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
SW-04	921130	< 5	< 10	< 5	< 5	< 5	2 J	< 5	< 5	< 5	< 5	< 5
SW-05	920831	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
SW-05	921130	< 5	< 10	< 5	< 5	< 5	3 J	< 5	< 5	< 5	< 5	< 5
SW-06	920831	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
SW-06	921201	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
SW-06	921201	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
SW-07	920901	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
SW-07	921201	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
SW-08	920901	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
SW-08	921201	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
SW-09	920901	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
SW-09	921201	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
SW-10	920901	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
SW-10	921201	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
SW-11	920901	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
SW-11	921201	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
SW-12	920902	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
SW-12	921201	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
SW-13	920902	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
SW-13	921201	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
SW-14	920901	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
SW-14	921201	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
SW-15	920902	1	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
SW-15	921202	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5 UJ	< 5	< 5
SW-16	920902	3	< 10	< 5	3	< 5	< 10 U	< 5	< 5	< 5 U	< 5	< 5
SW-16	921202	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5

SUMMARY OF ROUND 1 & 2 SURFACE WATER DATA - VOC's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	CCL3	CH3CL	C13DCP	DBRCLM	ETC6H5	C2CL2	STYR	TCLEE	MEC6H5	T13DCP	TRCLE
SW-17	920901	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
SW-17	920901	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
SW-17	921202	< 5	< 10	< 5	1 J	< 5	< 10	< 5	< 5	< 5	< 5	< 5
SW-17	921202	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
SW-18	920902	< 5	< 10	< 5	< 5	< 5	< 10 U	< 5	< 5	< 5	< 5	< 5
SW-18	921202	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
SW-19	921203	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
SW-20	921201	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
SW-21	921201	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
SW-22	921201	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
SW-23	921202	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	42	< 5	6
SW-24	930107	< 5	< 10	< 5	< 5	1 J	< 10 U	< 5	< 5	76	< 5	13
SW-25	930325	< 5	< 10	< 5	< 5	< 5	1 J	< 5	< 5	70	< 5	12
SW-26	930325	< 5	< 10	< 5	< 5	< 5	2 J	< 5	< 5	56	< 5	10
SW-27	930325	< 5	< 10	< 5	< 5	< 5	1 J	< 5	< 5	26	< 5	4 J
SW-28	930325	< 5	< 10	< 5	< 5	< 5	1 J	< 5	< 5	5	< 5	3 J
SW-29	930420	< 5	< 10	< 5	< 5	2 J	< 10	< 5	< 5	140	< 5	< 5
SW-30	930420	< 5	< 10	< 5	< 5	3 J	< 10	< 5	< 5	240	< 5	< 5

concentration: ug/L

SUMMARY OF ROUND 1 & 2 SURFACE WATER DATA - VOC's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	C2AVE	C2H3CL	TXYLEN
SW-01	920831	< 15	< 10	< 5
SW-01	921130	< 15	< 10	7
SW-02	920831	< 15	< 10	< 5
SW-02	921130	< 15	< 10	< 5
SW-03	920831	< 15	< 10	< 5
SW-03	921130	< 15	< 10	< 5
SW-04	920831	< 15	< 10	< 5
SW-04	921130	< 15	< 10	< 5
SW-05	920831	< 15	< 10	< 5
SW-05	921130	< 15	< 10	< 5
SW-06	920831	< 15	< 10	< 5
SW-06	921201	< 15	< 10	< 5
SW-06	921201	< 15	< 10	< 5
SW-07	920901	< 15	< 10	< 5
SW-07	921201	< 15	< 10	< 5
SW-08	920901	< 15	< 10	< 5
SW-08	921201	< 15	< 10	< 5
SW-09	920901	< 15	< 10	< 5
SW-09	921201	< 15	< 10	< 5
SW-10	920901	< 15	< 10	< 5
SW-10	921201	< 15	< 10	< 5
SW-11	920901	< 15	< 10	< 5
SW-11	921201	< 15	< 10	< 5
SW-12	920902	< 15	< 10	< 5
SW-12	921201	< 15	< 10	< 5
SW-13	920902	< 15	< 10	< 5 U
SW-13	921201	< 15	< 10	< 5
SW-14	920901	< 15	< 10	< 5
SW-14	921201	< 15	< 10	< 5
SW-15	920902	< 15	< 10	< 5
SW-15	921202	< 15	< 10	< 5
SW-16	920902	< 15	< 10	< 5
SW-16	921202	< 15	< 10	< 5

SUMMARY OF ROUND 1 & 2 SURFACE WATER DATA - VOC's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	C2AVE	C2H3CL	TXYLEN
SW-17	920901	< 15	< 10	< 5
SW-17	920901	< 15	< 10	< 5
SW-17	921202	< 15	< 10	< 5
SW-17	921202	< 15	< 10	< 5
SW-18	920902	< 15	< 10	< 5 U
SW-18	921202	< 15	< 10	< 5
SW-19	921203	< 15	< 10	< 5
SW-20	921201	< 15	< 10	< 5
SW-21	921201	< 15	< 10	< 5
SW-22	921201	< 15	< 10	< 5
SW-23	921202	< 15	< 10	< 5
SW-24	930107	< 15	2 J	< 6 U
SW-25	930325	< 15	2 J	6
SW-26	930325	< 15	2 J	5
SW-27	930325	< 15	< 10	< 5
SW-28	930325	< 15	< 10	< 5
SW-29	930420	< 15	< 10	16
SW-30	930420	< 15	< 10	22

concentration: ug/L

SUMMARY OF ROUND 1 & 2 SURFACE WATER DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	124TCB	12DCLB	13DCLB	14DCLB	245TCP	246TCP	24DCLP	24DMPN	24DNP	24DNT	26DNT
SW-01	920831	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-01	921130	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-02	920831	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-02	921130	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-03	920831	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-03	921130	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-04	920831	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-04	921130	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-05	920831	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-05	921130	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-06	920831	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-06	921201	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-06	921201	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-07	920901	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-07	921201	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-08	920901	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-08	921201	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-09	920901	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-09	921201	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-10	920901	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-10	921201	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-11	920901	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-11	921201	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-12	920902	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ
SW-12	921201	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-13	920902	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-13	921201	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-14	920901	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-14	921201	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-15	920902	4 J	< 10 UJ	1 J	1 J	< 25 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ
SW-15	921202	2 J	< 10	< 10	2 J	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-16	920902	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-16	921202	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10

SUMMARY OF ROUND 1 & 2 SURFACE WATER DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	124TCB	12DCLB	13DCLB	14DCLB	245TCP	246TCP	24DCLP	24DMPN	24DNP	24DNT	26DNT
SW-17	920901	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-17	920901	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-17	921202	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-17	921202	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-18	920902	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-18	921202	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-19	921203	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-20	921201	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-21	921201	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-22	921201	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-23	921202	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-24	930107	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-25	930325	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-26	930325	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-27	930325	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-28	930325	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-29	930420	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10
SW-30	930420	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 25	< 10	< 10

concentration: ug/L

SUMMARY OF ROUND 1 & 2 SURFACE WATER DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	2CNAP	2CLP	2MNAP	2MP	2NANIL	2NP	33DCBD	3NANIL	46DN2C	4BRPPE	4CL3MP
SW-01	920831	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-01	921130	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-02	920831	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-02	921130	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-03	920831	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-03	921130	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-04	920831	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-04	921130	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-05	920831	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-05	921130	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-06	920831	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-06	921201	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-06	921201	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-07	920901	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-07	921201	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-08	920901	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-08	921201	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-09	920901	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-09	921201	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-10	920901	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-10	921201	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-11	920901	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-11	921201	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-12	920902	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 25 UJ	< 10 UJ	< 10 UJ
SW-12	921201	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-13	920902	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-13	921201	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-14	920901	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-14	921201	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-15	920902	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 25 UJ	< 10 UJ	< 10 UJ
SW-15	921202	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-16	920902	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-16	921202	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10

SUMMARY OF ROUND 1 & 2 SURFACE WATER DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	2CNAP	2CLP	2MNAP	2MP	2NANIL	2NP	33DCBD	3NANIL	46DN2C	4BRPPE	4CL3MP
SW-17	920901	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-17	920901	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-17	921202	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-17	921202	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-18	920902	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-18	921202	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-19	921203	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-20	921201	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-21	921201	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-22	921201	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-23	921202	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-24	930107	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-25	930325	< 10	< 10	< 10	1 J	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-26	930325	< 10	< 10	< 10	1 J	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-27	930325	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-28	930325	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-29	930420	< 10	< 10	< 10	4 J	< 25	< 10	< 10	< 25	< 25	< 10	< 10
SW-30	930420	< 10	< 10	< 10	6 J	< 25	< 10	< 10	< 25	< 25	< 10	< 10

concentration: ug/L

SUMMARY OF ROUND 1 & 2 SURFACE WATER DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	4CANIL	4CLPPE	4MP	4NANIL	4NP	ANAPNE	ANAPYL	ANTRC	BAANTR	BAPYR	BBFANT
SW-01	920831	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-01	921130	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-02	920831	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-02	921130	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-03	920831	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-03	921130	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-04	920831	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-04	921130	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-05	920831	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-05	921130	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-06	920831	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-06	921201	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-06	921201	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-07	920901	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-07	921201	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-08	920901	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-08	921201	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-09	920901	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-09	921201	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-10	920901	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-10	921201	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-11	920901	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-11	921201	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-12	920902	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
SW-12	921201	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-13	920902	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-13	921201	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-14	920901	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-14	921201	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-15	920902	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 10 UJ	10 J	7 J	11 J
SW-15	921202	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-16	920902	< 10	< 10	< 10	< 25	< 25 UJ	< 10	< 10	< 10	< 10	< 10	< 10
SW-16	921202	< 10	< 10	< 10	< 25	3 J	< 10	< 10	< 10	< 10	1 J	< 10

SUMMARY OF ROUND 1 & 2 SURFACE WATER DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	4CANIL	4CLPPE	4MP	4NANIL	4NP	ANAPNE	ANAPYL	ANTRC	BAANTR	BAPYR	BBFANT
SW-17	920901	< 10	< 10 UJ	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10 UJ
SW-17	920901	< 10	< 10 UJ	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10 UJ
SW-17	921202	< 10	< 10	< 10	< 25	3 J	< 10	< 10	< 10	< 10	< 10	< 10
SW-17	921202	< 10	< 10	< 10	< 25	2 J	< 10	< 10	< 10	< 10	< 10	< 10
SW-18	920902	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-18	921202	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-19	921203	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-20	921201	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-21	921201	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-22	921201	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-23	921202	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-24	930107	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-25	930325	< 10	< 10	1 J	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-26	930325	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-27	930325	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-28	930325	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-29	930420	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10
SW-30	930420	< 10	< 10	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10

concentration: ug/L

SUMMARY OF ROUND 1 & 2 SURFACE WATER DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	BGHIPY	BKFANT	BENZOA	BZALC	B2CEXM	B2CLEE	B2CIPE	B2EHP	BBZP	CHRY	DNBP
SW-01	920831	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
SW-01	921130	< 10	< 10	< 50	< 10	< 10	< 10	< 10	3 J	< 10	< 10	< 10
SW-02	920831	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
SW-02	921130	< 10	< 10	< 50	< 10	< 10	< 10	< 10	3 J	< 10	< 10	< 10
SW-03	920831	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
SW-03	921130	< 10	< 10	< 50	< 10	< 10	< 10	< 10	7 J	< 10	< 10	< 10
SW-04	920831	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
SW-04	921130	< 10	< 10	< 50	< 10	< 10	< 10	< 10	5 J	< 10	< 10	< 10
SW-05	920831	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 16 U	< 10	< 10	< 10
SW-05	921130	< 10	< 10	< 50	< 10	< 10	< 10	< 10	4 J	< 10	< 10	< 10
SW-06	920831	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 16 U	< 10	< 10	< 10
SW-06	921201	< 10	< 10	< 50	< 10	< 10	< 10	< 10	20	< 10	< 10	< 10
SW-06	921201	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 23 U	< 10	< 10	< 10
SW-07	920901	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
SW-07	921201	< 10	< 10	< 50	< 10	< 10	< 10	< 10	5 J	< 10	< 10	< 10
SW-08	920901	< 10	< 10	< 50	< 10	< 10	< 10	< 10	48	< 10	< 10	< 10
SW-08	921201	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 170 U	< 10	< 10	< 10
SW-09	920901	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
SW-09	921201	< 10	< 10	< 50	< 10	< 10	< 10	< 10	9 J	< 10	< 10	< 10
SW-10	920901	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
SW-10	921201	< 10	< 10	< 50	< 10	< 10	< 10	< 10	2 J	< 10	< 10	< 10
SW-11	920901	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
SW-11	921201	< 10	< 10	< 50	< 10	< 10	< 10	< 10	3 J	< 10	< 10	< 10
SW-12	920902	< 10 UJ	< 10 UJ	< 50 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
SW-12	921201	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
SW-13	920902	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-13	921201	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	1 J
SW-14	920901	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
SW-14	921201	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 120 U	< 10	< 10	< 10
SW-15	920902	< 10 UJ	5 J	< 50 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	3 J	< 10 UJ	16 J	< 10 UJ
SW-15	921202	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
SW-16	920902	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
SW-16	921202	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 25 U	< 10	< 10	< 10

SUMMARY OF ROUND 1 & 2 SURFACE WATER DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	BGHIPY	BKFANT	BENZOA	BZALC	B2CEXM	B2CLEE	B2CIPE	B2EHP	BBZP	CHRY	DNBP
SW-17	920901	< 10	< 10	< 50 UJ	< 10	< 10	< 10	< 10	< 10 UJ	< 10	< 10	< 10
SW-17	920901	< 10	< 10	< 50 UJ	< 10	< 10	< 10	< 10	< 10 UJ	< 10	< 10	< 10
SW-17	921202	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 11 U	< 10	< 10	< 10
SW-17	921202	< 10	< 10	< 50	< 10	< 10	< 10	< 10	6 J	< 10	< 10	< 10
SW-18	920902	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-18	921202	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
SW-19	921203	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10 U	< 10	< 10	< 10
SW-20	921201	< 10	< 10	< 50	< 10	< 10	< 10	< 10	7 J	< 10	< 10	< 10
SW-21	921201	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-22	921201	< 10	< 10	< 50	< 10	< 10	< 10	< 10	2 J	< 10	< 10	< 10
SW-23	921202	< 10	< 10	< 50	< 10	< 10	< 10	< 10	3 J	< 10	< 10	< 10
SW-24	930107	< 10	< 10	< 50	< 10	< 10	< 10	< 10	14	< 10	< 10	< 10
SW-25	930325	< 10	< 10	< 50	< 10	< 10	< 10	< 10	2 J	< 10	< 10	< 10
SW-26	930325	< 10	< 10	< 50	< 10	< 10	< 10	< 10	74	< 10	< 10	< 10
SW-27	930325	< 10	< 10	< 50	< 10	< 10	< 10	< 10	11	< 10	< 10	< 10
SW-28	930325	< 10	< 10	< 50	< 10	< 10	< 10	< 10	4 J	< 10	< 10	< 10
SW-29	930420	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-30	930420	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

concentration: ug/L

SUMMARY OF ROUND 1 & 2 SURFACE WATER DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	DNOP	DBAHA	DBZFUR	DEP	DMP	FANT	FLRENE	CL6BZ	HCBD	CL6CP	CL6ET
SW-01	920831	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-01	921130	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-02	920831	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-02	921130	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-03	920831	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-03	921130	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-04	920831	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-04	921130	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-05	920831	< 10	< 10	< 10	< 10	< 10	2	< 10	< 10	< 10	< 10	< 10
SW-05	921130	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-06	920831	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-06	921201	4 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-06	921201	13	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-07	920901	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-07	921201	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-08	920901	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-08	921201	1 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-09	920901	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-09	921201	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-10	920901	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-10	921201	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-11	920901	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-11	921201	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-12	920902	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
SW-12	921201	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-13	920902	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-13	921201	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-14	920901	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-14	921201	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-15	920902	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	33 J	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
SW-15	921202	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-16	920902	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-16	921202	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

SUMMARY OF ROUND 1 & 2 SURFACE WATER DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	DNOP	DBAHA	DBZFUR	DEP	DMP	FANT	FLRENE	CL6BZ	HCBD	CL6CP	CL6ET
SW-17	920901	< 10	< 10	< 10	< 10	< 10	< 10 UJ	< 10	< 10	< 10	< 10	< 10
SW-17	920901	< 10	< 10	< 10	< 10	< 10	< 10 UJ	< 10	< 10	< 10	< 10	< 10
SW-17	921202	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-17	921202	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-18	920902	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-18	921202	1 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-19	921203	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-20	921201	6 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-21	921201	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-22	921201	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-23	921202	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-24	930107	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-25	930325	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-26	930325	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-27	930325	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-28	930325	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-29	930420	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SW-30	930420	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

concentration: ug/L

SUMMARY OF ROUND 1 & 2 SURFACE WATER DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	ICDPYR	ISOPHR	NNDNPA	NNDPA	NAP	NB	PCP	PHANTR	PHENOL	PYR
SW-01	920831	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
SW-01	921130	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
SW-02	920831	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
SW-02	921130	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
SW-03	920831	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
SW-03	921130	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	1 J	< 10
SW-04	920831	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
SW-04	921130	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
SW-05	920831	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	1
SW-05	921130	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
SW-06	920831	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
SW-06	921201	< 10	< 10	< 10	2 J	< 10	< 10	< 25	< 10	< 10	< 10
SW-06	921201	< 10	< 10	< 10	3 J	< 10	< 10	< 25	< 10	< 10	< 10
SW-07	920901	< 10	< 10	< 10	1	< 10	< 10	< 25	< 10	< 10	< 10
SW-07	921201	< 10	< 10	< 10	2 J	< 10	< 10	< 25	< 10	< 10	< 10
SW-08	920901	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
SW-08	921201	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
SW-09	920901	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
SW-09	921201	< 10	< 10	< 10	2 J	< 10	< 10	< 25	< 10	< 10	< 10
SW-10	920901	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
SW-10	921201	< 10	< 10	< 10	2 J	< 10	< 10	< 25	< 10	< 10	< 10
SW-11	920901	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
SW-11	921201	< 10	< 10	< 10	2 J	< 10	< 10	< 25	< 10	1 J	< 10
SW-12	920902	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 25 UJ	< 10 UJ	< 10 UJ	< 10 UJ
SW-12	921201	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
SW-13	920902	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
SW-13	921201	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
SW-14	920901	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
SW-14	921201	< 10	< 10	< 10	3 J	< 10	< 10	< 25	< 10	2 J	< 10
SW-15	920902	4 J	< 10 UJ	< 10 UJ	2 J	< 10 UJ	< 10 UJ	< 25 UJ	12 J	3 J	17 J
SW-15	921202	< 10	< 10	< 10	31	< 10	< 10	< 25	< 10	2 J	< 10
SW-16	920902	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
SW-16	921202	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	3 J	< 10

SUMMARY OF ROUND 1 & 2 SURFACE WATER DATA - BNA's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	ICDPYR	ISOPHR	NNDNPA	NNDPA	NAP	NB	PCP	PHANTR	PHENOL	PYR
SW-17	920901	< 10	< 10	< 10	< 10 UJ	< 10	< 10	< 25	< 10	2	< 10 UJ
SW-17	920901	< 10	< 10	< 10	< 10 UJ	< 10	< 10	< 25	< 10	2	< 10 UJ
SW-17	921202	< 10	< 10	< 10	3 J	< 10	< 10	< 25	< 10	< 10	< 10
SW-17	921202	< 10	< 10	< 10	4 J	< 10	< 10	< 25	< 10	2 J	< 10
SW-18	920902	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
SW-18	921202	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
SW-19	921203	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
SW-20	921201	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
SW-21	921201	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
SW-22	921201	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
SW-23	921202	< 10	< 10	< 10	2 J	< 10	< 10	< 25	< 10	< 10	< 10
SW-24	930107	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
SW-25	930325	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
SW-26	930325	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
SW-27	930325	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
SW-28	930325	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
SW-29	930420	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
SW-30	930420	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10

concentration: ug/L

SUMMARY OF ROUND 1 & 2 SURFACE WATER DATA - PESTICIDE's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	44DDD	44DDE	44DDT	ALDRN	ABHC	ACLDAN	BBHC	DBHC	DLDRN	AENSLF	BENSLF
SW-01	921130	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-01	920831	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-02	920831	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-02	921130	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-03	921130	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-03	920831	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-04	921130	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-04	920831	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-05	920831	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-05	921130	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-06	921201	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-06	921201	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-06	920831	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-07	921201	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-07	920901	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-08	921201	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-08	920901	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-09	921201	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-09	920901	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-10	920901	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-10	921201	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-11	920901	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-11	921201	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-12	921201	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-12	920902	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-13	920902	< 0.1	< 0.1	< 0.1	< 0.06	< 0.06	< 0.6	< 0.06	< 0.06	< 0.1	< 0.06	< 0.1
SW-13	921201	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-14	921201	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-14	920901	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-15	921202	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-15	920902	< 0.1	< 0.1	< 0.1	< 0.05	0.18	< 0.5	< 0.05	0.24	< 0.1	< 0.05	< 0.1
SW-16	921202	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-16	920902	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1

SUMMARY OF ROUND 1 & 2 SURFACE WATER DATA - PESTICIDE's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	44DDD	44DDE	44DDT	ALDRN	ABHC	ACLDAN	BBHC	DBHC	DLDRN	AENSLF	BENSLF
SW-17	921202	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-17	921202	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-17	920901	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-17	920901	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-18	920902	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-18	921202	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-19	921203	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-20	921201	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-21	921201	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-22	921201	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-23	921202	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-24	930107	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-25	930325	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-26	930325	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-27	930325	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-28	930325	< 0.1	< 0.1	< 0.1	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.1	< 0.06	< 0.1
SW-29	930420	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1
SW-30	930420	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1

concentration: ug/l

SUMMARY OF ROUND 1 & 2 SURFACE WATER DATA - PESTICIDE's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	ESFSO4	ENDRN	ENDRNA	ENDRNK	LIN	GCLDAN	HPCL	HPCLE	MEOXCL	TXPHEN
SW-01	921130	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-01	920831	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-02	920831	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-02	921130	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-03	921130	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-03	920831	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-04	921130	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-04	920831	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-05	920831	< 0.1	< 0.1	0.11	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-05	921130	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-06	921201	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-06	921201	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-06	920831	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-07	921201	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-07	920901	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-08	921201	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-08	920901	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-09	921201	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-09	920901	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-10	920901	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-10	921201	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-11	920901	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-11	921201	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-12	921201	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-12	920902	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-13	920902	< 0.1	< 0.1	< 0.1	< 0.1	< 0.06	< 0.6	< 0.06	< 0.06	< 0.6	< 1
SW-13	921201	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-14	921201	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-14	920901	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-15	921202	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	0.18	< 0.5	< 1
SW-15	920902	0.49	< 0.1	0.1	< 0.1	0.05	< 0.5	< 0.05	0.1	< 0.5	< 1
SW-16	921202	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-16	920902	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1

SUMMARY OF ROUND 1 & 2 SURFACE WATER DATA - PESTICIDE's

OLIN - WILMINGTON FACILITY

LOCATION	DATE	ESFSO4	ENDRN	ENDRNA	ENDRNK	LIN	GCLDAN	HPCL	HPCLE	MEOXCL	TXPHEN
SW-17	921202	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-17	921202	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-17	920901	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-17	920901	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-18	920902	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-18	921202	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-19	921203	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-20	921201	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-21	921201	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-22	921201	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-23	921202	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-24	930107	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.5	< 0.05	< 0.05	< 0.5	< 1
SW-25	930325	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.5	< 1
SW-26	930325	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.5	< 1
SW-27	930325	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.5	< 1
SW-28	930325	< 0.1	< 0.1	< 0.1	< 0.1	< 0.06	< 0.06	< 0.06	< 0.06	< 0.6	< 1
SW-29	930420	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.5	< 1
SW-30	930420	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.5	< 1

concentration: ug/l

TAB 25

SUMMARY OF NON-AQUEOUS PHASE GROUNDWATER DATA

SUMMARY OF NON-AQUEOUS PHASE GROUNDWATER DATA - VOC's

OLIN - WILMINGTON FACILITY

WELL	DATE	111TCE	2TCLEA	112TCE	11DCLE	11DCE	12DCLE	12DCE	12DCLP	244TM1P	244TM2P	MEK
IW-11	920812	< 600 UJ	< 600 UJ	< 600 UJ	< 600 UJ	< 600 UJ	< 600 UJ	< 600 UJ	< 600 UJ	15000000 J	5600000 J	< 2000 UJ

WELL	DATE	MNBK	MIBK	ACET	C6H6	BRDCLM	CHBR3	CH3BR	CS2	CCL4	CLC6H5	C2H5CL
IW-11	920812	< 2000 UJ	< 2000 UJ	< 4300 UJ	180 J	< 600 UJ	< 600 UJ	< 1000 UJ	< 1000 UJ	< 600 UJ	< 600 UJ	< 1000 UJ

WELL	DATE	CCL3	CH3CL	C13DCP	DBRCLM	ETC6H5	C2CL2	STYR	TCLEE	MEC6H5	T13DCP	TRCLE
IW-11	920812	170 J	< 1000 UJ	< 600 UJ	< 600 UJ	12000 J	< 1000 UJ	2100 J	< 600 UJ	3700 J	< 600 UJ	< 600 UJ

WELL	DATE	C2AVE	C2H3CL	TXYLEN
IW-11	920812	< 2000 UJ	< 1000 UJ	< 3500 UJ

concentration units: ug/kgwetwt

SUMMARY OF NON-AQUEOUS PHASE GROUNDWATER DATA - BNA's

OLIN - WILMINGTON FACILITY

WELL	DATE	124TCB	12DCLB	13DCLB	14DCLB	245TCP	246TCP	24DCLP	24DMPN	24DNP	24DNT	26DNT
IW-11	920812	< 100000 UJ	< 100000 UJ	< 100000 UJ	< 100000 UJ	< 250000 R	< 100000 R	< 100000 R	< 100000 R	< 250000 R	< 100000 UJ	< 100000 UJ

WELL	DATE	2CNAP	2CLP	2MNAP	2MP	2NANIL	2NP	33DCBD	3NANIL	46DN2C	4BRPPE	4CL3MP
IW-11	920812	< 100000 UJ	< 100000 R	41000 J	< 100000 R	< 250000 UJ	< 100000 R	< 100000 UJ	< 250000 UJ	< 250000 R	< 100000 UJ	< 100000 R

WELL	DATE	4CANIL	4CLPPE	4MP	4NANIL	4NP	ANAPNE	ANAPYL	ANTRC	BAANTR	BAPYR	BBFANT
IW-11	920812	< 100000 UJ	< 100000 UJ	< 100000 R	< 250000 UJ	< 250000 R	< 100000 UJ	< 100000 UJ	< 100000 UJ	< 100000 UJ	< 100000 UJ	< 100000 UJ

WELL	DATE	BGHIPY	BKFANT	BENZOA	BZALC	B2CEXM	B2CLEE	B2CIPE	B2EHP	BBZP	CHRY	DNBP
IW-11	920812	< 100000 UJ	< 100000 UJ	< 480000 R	< 100000 UJ	< 100000 UJ	< 100000 UJ	< 100000 UJ	7E+08 J	38000 J	< 100000 UJ	< 100000 UJ

WELL	DATE	DNOP	DBAHA	DBZFUR	DEP	DMP	FANT	FLRENE	CL6BZ	HCBD	CL6CP	CL6ET
IW-11	920812	200000 J	< 100000 UJ	< 100000 UJ	< 100000 UJ	< 100000 UJ	< 100000 UJ	13000 J	< 100000 UJ	< 100000 UJ	< 100000 UJ	< 100000 UJ

WELL	DATE	ICDPYR	ISOPHR	NNDNPA	NNDPA	NAP	NB	PCP	PHANTR	PHENOL	PYR
IW-11	920812	< 100000 UJ	< 100000 UJ	< 100000 UJ	3E+07 J	13000 J	< 100000 UJ	< 250000 R	26000 J	< 100000 R	11000 J

concentration units: ug/kgwetwt

SUMMARY OF NON-AQUEOUS PHASE GROUNDWATER DATA - PESTICIDE's

OLIN - WILMINGTON FACILITY

WELL	DATE	44DDD	44DDE	44DDT	ALDRN	ABHC	ACLDAN	BBHC	DBHC	DLDRN	AENSLF	BENSLF
IW-11	920812	< 900.0	< 900.0	< 900.0	< 500.00	< 500.00	< 5000.0	< 500.00	< 500.00	< 900.0	< 500.00	< 900.0

WELL	DATE	ESFSO4	ENDRN	ENDRNA	ENDRNK	LIN	GCLDAN	HPCL	HPCLE	MEOXCL	TXPHEN
IW-11	920812	< 900.0	< 900.0	< 900.0	< 900.0	< 500.00	< 5000.0	< 500.00	< 500.00	< 5000.0	< 9000

concentration units: ug/kgwetwt

SUMMARY OF NON-AQUEOUS PHASE GROUNDWATER DATA - INORGANIC's

OLIN - WILMINGTON FACILITY

WELL	DATE	AL, TOT	SB, TOT	AS, TOT	BA, TOT	BE, TOT	CD, TOT	CA, TOT	CR, TOT	CO, TOT	CU, TOT	FE, TOT
IW-11	920812	< 10.00	< 0.500	1.500	< 0.500	< 1.500	< 1.000	< 2.5	1.600	< 1.500	< 2.500	42.000

WELL	DATE	PB, TOT	MG, TOT	MN, TOT	HG, TOT	NI, TOT	K, TOT	SE, TOT	AG, TOT	NA, TOT	TL, TOT	V, TOT
IW-11	920812	0.560	< 5.00	< 1.000	< 0.10000	6.800	7.00	< 0.500	< 1.500	10	< 0.500	< 2.500

WELL	DATE	ZN, TOT
IW-11	920812	4.300

concentration units: ug/kgwetwt

APPENDIX M

APPENDIX M

DATA ASSESSMENT AND VALIDATION REPORTS

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MEMORANDUM

TO: Ed Roberts REFERENCE NO. 3683

FROM: Ruth Lewis DATE: June 29, 1992

RE: Data Quality Assessment and Validation for Water Samples Collected on May 12-13, 1992, from the Olin Site in Wilmington, Massachusetts

---

The following details a data quality assessment and validation for eight water samples collected on May 12-13, 1992, from the Olin Site in Wilmington, Massachusetts. The samples were analyzed for the parameters listed in Table 1. The analyses were performed by Coast-to-Coast Laboratories of Westbrooke, Maine. The quality assurance criteria were established in the associated quality assurance project plan (QAPP).[1]

Holding Time Periods

Holding time periods for the analyses are listed in Table 1. On the basis of sample collection dates on the chain-of-custody forms and analytical reports provided by the laboratory, the analyses were completed within the specified holding time periods.

Method Blank Samples

Contamination of the samples contributed by laboratory conditions or procedures was monitored by the concurrent preparation and analysis of method blank samples. The method blank samples were reported to be free from detectable concentrations of target analytes, indicating no significant laboratory contamination occurred.

Control Sample Percent Recoveries

Control samples for analyses were examined to assess the accuracy of the laboratory procedures. The percent recoveries for the check samples were within the established control limits, indicating the methods achieved adequate accuracy.

---

[1]Application of quality assurance criteria was consistent with "Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses", February 1988 and "Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses", July 1988.

Matrix Spike/Duplicate (MS/Dup) Results

To assess the long term accuracy and precision of the analytical method on various matrices, MS percent recoveries and the relative percent difference (RPD) of duplicate analyses were determined. As noted in the laboratory narrative, matrix spike/duplicate samples were inadvertently not analyzed for the ammonia parameter. However, since LCS results exhibited acceptable accuracy, project sample data for ammonia were considered acceptable. The percent recovery and RPD data for the remaining parameters were within the control limits, indicating an adequate level of accuracy and precision was achieved.

Field Quality Assurance/Quality Control (QA/QC)

There were no field QA/QC samples collected for this sampling and analysis event.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and may be used without qualification.

RL/jm

cc: Steve Day

TABLE 1

SUMMARY OF ANALYTICAL METHODS
AND HOLDING TIME PERIODS
ASSOCIATED WITH THE OLIN SITE
MAY 12 - 13, 1992 SAMPLING EVENT

Sample ID	Analysis-Method[1]	Holding Time[2]
W-920512-JM-01;	Chloride - EPA 325.2	28 Days
W-920512-JM-02;	Ammonia - EPA 350.1	28 Days
W-920512-JM-03;	Sulfate - EPA 375.4	28 Days
W-920512-JM-04;	Chromium - EPA 200.7	6 Months
W-920512-JM-05;		
W-920513-JM-06;		
W-920513-JM-07;		
W-920513-JM-08;		

1 Methods were derived from:
EPA - "Methods for Chemical Analysis of Water and Wastes", EPA - 600/4-79-020, revised March 1983.

2 Holding time periods are based from sample collection date to sample analysis date.

Waterloo File Copy

MEMORANDUM

TO: Ed Roberts REFERENCE NO. 3683

FROM: Ruth Lewis DATE: July 31, 1992

RE: Data Quality Assessment and Validation for Water, Soil and Test Pit Samples Collected from the Olin Site in Wilmington, Massachusetts

---

The following details a data quality assessment and validation for water, soil, soil test pit and drum test pit samples collected from the Olin Site in Wilmington, Massachusetts during the sampling events listed below:

June 5 - 13, 1991 (soil samples);
July 8 - 10 and July 30 - August 1, 1991 (soil and water samples);
October 2 - 10, 1991 (soil, soil test pit and drum test pit samples);
December 5 - 13, 1991 (water samples); and
January 28 - February 10, 1992 (soil and water samples).

The samples are identified in Tables 1a through 1i for each sampling event. Analytical parameters for each sampling event are listed in Tables 2a through 2i. All analyses were performed by Coast-to-Coast Analytical Services, Inc. of Westbrooke, Maine. The quality assurance criteria were established in the associated Quality Assurance Project Plan (QAPP).[1]

Holding Time Periods

Holding time periods for the analyses are listed in Tables 2a through 2i for each sampling event. On the basis of sample collection dates on the chain-of-custody forms and analytical reports provided by the laboratory, the majority of extractions and analyses were completed within the specified holding time period. Tables 3a through 3e list samples for each event violating the holding time criteria. The data for these samples should be qualified as estimated (J) for positive parameter results and the quantitation limit estimated (UJ) for negative parameter results.

---

[1] Application of quality assurance criteria was consistent with "Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses", February 1988 and "Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses", July 1988.

Method Blank Samples

Contamination of the samples contributed by laboratory conditions or procedures was monitored by the concurrent preparation and analysis of method blank samples. Method blank samples for the majority of analyses were reported to be free from detectable concentrations of target analytes, indicating no significant laboratory contamination occurred. Method blank samples yielded positive concentrations for target analytes listed in Tables 4a through 4g. As a result, associated sample data should be qualified as non-detect (U).

Surrogate Compound Percent Recoveries (Surrogate Recoveries)

Individual sample performance for organic analyses was monitored by surrogate recoveries. A number of surrogate recoveries were outside control limits. The samples that should be qualified as estimated (J) for positive parameter results and the quantitation limit estimated (UJ) for negative parameter results are listed in Tables 5a through 5f for the associated sampling events. The remainder of the surrogate data were within the acceptance criteria.

Control Sample Percent Recoveries

Control sample percent recoveries were examined to assess the accuracy of the laboratory procedures. Percent recoveries for the majority of control samples were within the established control limits, indicating methods achieved adequate accuracy. However, tables 6a through 6g list outlying control sample percent recoveries for the associated sampling events. The data for associated samples should be qualified as noted in the tables. The remainder of the control sample data were within the acceptance criteria.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Percent Recoveries

To assess the long term accuracy and precision of the analytical method on various matrices, MS/MSD percent recoveries and relative percent difference (RPD) of the recoveries were determined. Matrix spike and/or matrix spike duplicate analyses were performed for organic and inorganic analyses. Tables 7a through 7i list outlying matrix spike results for the associated sampling events. Associated sample data should be qualified as noted in the tables. The remainder of the MS/MSD data were within the acceptance criteria.

Laboratory Duplicate Analysis

Laboratory precision for the sampling events was measured using laboratory duplicate samples for organic and inorganic analyses. The overall level of precision was generally found to be acceptable. A large portion of results for these analyses were non-detect. Based on this, the analytical methods were shown to the consistent. Tables 8a through 8g list non-comparable laboratory duplicate results for the associated sampling events. Associated sample results should be qualified as estimated (J) for positive parameter results and the quantitation limit estimated (UJ) for negative parameter results.

Field Quality Assurance/Quality Control (QA/QC)

The field QA/QC for the sampling events included trip blanks, rinsate blanks and field duplicate sample sets.

To evaluate the possibility of contamination arising from sample transport, the environment and/or shipping, trip blanks were submitted to the laboratory for VOC analysis. The majority of trip blank results were reported to be non-detect for target analytes. One trip blank sample yielded positive concentrations for trichloroethene (5 µg/L), tetrachloroethene (2 µg/L) and chlorobenzene (2 µg/L). The associated samples were reported to be free from detectable concentrations of these analytes. As a result, no qualification of data was required on this basis. The remaining positive parameter results for trip blanks were qualified as non-detect (U) based on method blank results.

As a check on cleanliness of sampling equipment, rinsate blanks were collected as authentic samples for labeling and submission to the laboratory. Several rinsate bank samples yielded positive concentrations for target analytes. However, all associated sample results were either reported to be non-detect for target analytes or yielded concentrations of target analytes at concentrations greater than 5 times (10 times for common laboratory contaminants) the associated rinsate blank concentrations. As a result, no qualification of data was required on this basis.

Overall precision for the sampling events was monitored using field duplicate sample results. While there are no specific review criteria for field duplicate analyses comparability, the overall level of precision was generally found to be acceptable based on relative percent difference (RPD) values calculated for soil and water duplicate sample sets.

Overall Assessment

Violation of holding times specified in the QAPP resulted in qualification of a significant portion of the inorganic results. The remainder of the data were found to exhibit acceptable levels of accuracy and precision and may be used with the qualifications noted.

Enc.
cc: Steve Day
Bob Martin
RL/jm

TABLE 1a

SUMMARY OF SAMPLE IDENTIFICATION NUMBERS ASSOCIATED WITH THE OLIN SITE

6/5/91 - 6/13/91 SAMPLING EVENT

S-910605-JM-01
S-910605-JM-02
S-910605-JM-03
S-910606-JM-04
S-910606-JM-05
S-910606-JM-06
S-910606-JM-07
S-910606-JM-08
S-910607-JM-09
S-910607-JM-10
S-910607-JM-11
S-910607-JM-12
S-910610-JM-13
S-910610-JM-14
S-910610-JM-15
S-910610-JM-16
S-910610-JM-17
S-910610-JM-18
S-910610-JM-19
S-910610-JM-20
S-910610-JM-21
S-910610-JM-22
S-910610-JM-23
S-910610-JM-24
S-910610-JM-25
W-910611-JM-32
W-910611-JM-26
S-910611-JM-26
S-910611-JM-27
S-910611-JM-28
S-910611-JM-29
S-910611-JM-30
S-910611-JM-31
S-910611-JM-32
S-910611-JM-33
S-910611-JM-34

TABLE 1a (CONT'D)

SUMMARY OF SAMPLE IDENTIFICATION
NUMBERS ASSOCIATED WITH THE OLIN SITE

6/5/91 - 6/13/91 SAMPLING EVENT

S-910611-JM-35
S-910611-JM-36
S-910611-JM-38
S-910611-JM-40
6/10/91 Trip Blank
6/11/91 Trip Blank

TABLE 1b

SUMMARY OF SAMPLE IDENTIFICATION
NUMBERS ASSOCIATED WITH THE OLIN SITE

7/08/91-7/10/92 & 7/30/91 - 8/01/91 SAMPLING EVENTS

SS-910730-JM-046
SS-910730-JM-047
SS-910730-JM-048
SS-910730-JM-049
SS-910730-JM-050
SS-910730-JM-051
SS-910730-JM-052
SS-910730-JM-053
SS-910730-MB-054
SS-910708-MB-001
SS-910708-MB-002
SS-910708-MB-003
SS-910708-MB-004
SS-910709-MB-005
SS-910709-MB-006
SS-910709-MB-007
SS-910709-MB-008
SS-910709-MB-009
SS-910709-MB-010
SS-910709-MB-011
SS-910709-MB-012
SS-910709-MB-013
SS-910709-MB-014
SS-910709-MB-015
SS-910709-MB-016
SS-910709-MB-017
SS-910709-MB-018
SS-910709-MB-019
SS-910709-MB-020

TABLE 1b (Cont'd)

SUMMARY OF SAMPLE IDENTIFICATION
NUMBERS ASSOCIATED WITH THE OLIN SITE

7/08/91-7/10/92 & 7/30/91 - 8/01/91 SAMPLING EVENTS

SS-910709-MB-021
SS-910709-MB-022
SS-910709-MB-023
SS-910709-MB-024
SS-910709-MB-025
SS-910709-MB-026
SS-910709-MB-027
SS-910709-MB-028
SS-910709-MB-029
SS-910709-MB-030
SS-910709-MB-031
SS-910709-MB-032
SS-910709-MB-033
SS-910709-MB-034
SS-910709-MB-035
SS-910709-MB-036
SS-910709-MB-037
SS-910709-MB-038
SS-910709-MB-039
SS-910709-MB-040
SS-910709-MB-041
SS-910709-MB-042
SS-910709-MB-043
SS-910709-MB-044
SS-910710-MB-045

TABLE 1c

SUMMARY OF SAMPLE IDENTIFICATION
NUMBERS ASSOCIATED WITH THE OLIN SITE

7/30/91 - 7/31/91 SAMPLING EVENT

QS-2
MW-40D
MW-40S
MW-42S
MW-42D
MW-43S
MW-43D
MW-47
MW-48S
MW-48D
MW-50D
MW-50S
MW-51S
MW-51D
MW-52S
MW-52D
MW-53S
MW-53D
MW-54S
MW-54D
MW-54D Dup.
MW-55D
MW-55S
MW-56D
MW-56S
QS-1
MW-3S
MW-3D
MW-28D
MW-28S
MW-29S
MW-29D
MW-36
MW-37
MW-38
MW-38 Dup.
MW-39
MW-26

TABLE 1c (CONT'D)

SUMMARY OF SAMPLE IDENTIFICATION
NUMBERS ASSOCIATED WITH THE OLIN SITE

7/30/91 - 7/31/91 SAMPLING EVENT

MW-25
MW-24
MW-21S
MW-21D
MW-18D
MW-17S
MW-17D
MW-12
MW-11
MW-10S
MW-10D
MW-4
MW-4D

TABLE 1d

SUMMARY OF SAMPLE IDENTIFICATION NUMBERS ASSOCIATED WITH THE OLIN SITE DRUM TEST PITS 10/2/91 - 10/8/91 SAMPLING EVENT

DS-02-TP-6

DS-03-TP-8

DS-04-TP-8

DS-05-TP-8

DS-07-TP-21

TABLE 1e

SUMMARY OF SAMPLE IDENTIFICATION NUMBERS ASSOCIATED WITH THE OLIN SITE DRUM TEST PITS 10/2/91 - 10/8/91 SAMPLING EVENT

DS-02-TP-6

DS-03-TP-8

DS-04-TP-8

DS-05-TP-8

DS-07-TP-21

TABLE 1f

SUMMARY OF SAMPLE IDENTIFICATION
NUMBERS ASSOCIATED WITH THE OLIN SITE

10/10/91 SAMPLING EVENT

S-911010-JM-01

S-911010-JM-02

S-911010-JM-03

TABLE 1g

SUMMARY OF SAMPLE IDENTIFICATION
NUMBERS ASSOCIATED WITH THE OLIN SITE

12/5/91 - 12/13/91 SAMPLING EVENT

W-011213-JM-01

SW-MMB-01

W-911205-JM-001

W-911205-JM-002

W-911206-JM-003

W-911206-JM-004

W-911206-JM-005

W-911206-JM-006

W-911207-JM-007

W-911207-JM-008

W-911207-JM-009

W-911207-JM-010

W-911207-JM-011

W-911207-JM-012

W-911208-JM-013

W-911208-JM-014

W-911213-JM-015

Trip Blank

TABLE 1h

SUMMARY OF SAMPLE IDENTIFICATION
NUMBERS ASSOCIATED WITH THE OLIN SITE

1/28/92 & 2/8/92 SAMPLING EVENT

W-44D

W-920208-JM-01

W-920208-JM-02

W-920208-JM-03

W-920208-JM-04

W-920208-JM-05

TABLE 1i

SUMMARY OF SAMPLE IDENTIFICATION
NUMBERS ASSOCIATED WITH THE OLIN SITE

2/10/92 SAMPLING EVENT

S-920210-MJ-01

S-920210-MJ-02

S-920210-MJ-03

S-920210-MJ-04

S-920210-MJ-05

TABLE 2a

SUMMARY OF ANALYTICAL METHODS
AND HOLDING TIME PERIODS
OLIN SITE
6/5/91 - 6/13/91 SAMPLING EVENT

Analysis	Method[1]	Holding Time[2]
TAL Metals (Except Mercury)	SW 6010/7000 Series	6 Months
Mercury	SW 7471	28 Days
Cyanide	SW 9010	14 Days
Chloride	SW 9251	28 Days
NH_3 (Ammonia)	EPA 350.1	28 Days
Sulfate	SW 9038	28 Days
TOC (Total Organic Carbon)	APHA 505	28 Days
TS (Total Residue)	CLP	7 Days
TCL Pesticides/PCB	SW 8080	7(w) - 14(s)/40[3]
TCL BNA	SW 8270	7(w) - 14(s)/40[3]
TCL VOA	SW 8240	14 days

---

1 Methods were derived from:
EPA - "Methods for Chemical Analysis of Water and Wastes", EPA - 600/4-79-020, revised March 1983.
SW - "Test Methods for Evaluating Solid Waste", SW 846, 3rd edition, November 1986.
APHA - "Standard Methods for the Examination of Water and Wastewater", APHA, 16th edition, 1985.
CLP - Contract Laboratory Program Statement Of Work, 7/88.

2 Holding time periods are based from sample collection date to sample analysis date.

3 Holding times are as follows:
7 days (water samples)/14 days (soil samples) from sample collection to extraction; 40 days from extraction to completion of analysis.

TABLE 2b

SUMMARY OF ANALYTICAL METHODS
AND HOLDING TIME PERIODS
OLIN SITE
7/08/91-7/10/92 & 7/30/91 - 8/01/91 SAMPLING EVENTS

Analysis	Method[1]	Holding Time[2]
TAL Metals (Except Mercury)	SW 6010/7000 Series	6 Months
Mercury	SW 6010/7000 Series	28 Days
Cyanide	SW 9010M	14 Days
Chloride	SW 9251M	28 Days
NH_3	EPA 350.1	28 Days
Sulfate	SW 9038M	28 Days
TS	CLP	7 Days
TCL Pesticides/PCB	SW 8080	7(w) - 14(s)/40[3]
TCL BNA	SW 8270	7(w) - 14(s)/40[3]
TCL VOA	EPA 624/SW 8240	14 days

---

1 Methods were derived from:
EPA - "Methods for Chemical Analysis of Water and Wastes", EPA - 600/4-79-020, revised March 1983.
SW - "Test Methods for Evaluating Solid Waste", SW 846, 3rd edition, November 1986.
CLP - Contract Laboratory Program Statement of Work, SOW 7/88.

2 Holding time periods are based from sample collection date to sample analysis date.

3 Seven/fourteen days from sample collection to extraction; 40 days from extraction to completion of analysis.

TABLE 2c

SUMMARY OF ANALYTICAL METHODS
AND HOLDING TIME PERIODS
OLIN SITE
7/30/91 - 7/31/91 SAMPLING EVENT

Analysis	Method[1]	Holding Time
Chloride	EPA 325.2	28 Days
NH_3	EPA 350.1	28 Days
Sulfate	EPA 375.4	28 Days
Chromium	EPA 200.7	6 Months

---

1 Methods were derived from:
EPA - "Methods for Chemical Analysis of Water and Wastes", EPA - 600/4-79-020, revised March 1983.

TABLE 2d

SUMMARY OF ANALYTICAL METHODS
AND HOLDING TIME PERIODS
OLIN SITE - DRUM TEST PITS
10/2/91 - 10/8/91 SAMPLING EVENT

Analysis	Method[1]	Holding Time[2]
TAL Metals (Except Mercury)	SW 6010/7000 Series	6 Months
Mercury	SW 6010/7000 Series	28 Days
Cyanide	SW 9010M	14 Days
Chloride	SW 9251M	28 Days
NH_3	EPA 350.1	28 Days
Sulfate	SW 9038M	28 Days
TS	CLP	7 Days
TCL Pesticides/PCB	SW 8080	7(w) - 14(s)/40[3]
TCL BNA	SW 8270	7(w) - 14(s)/40[3]
TCL VOA	EPA 624/SW 8240	14 days
Flashpoint	1010	None

---

1 Methods were derived from:
EPA - "Methods for Chemical Analysis of Water and Wastes", EPA - 600/4-79-020, revised March 1983.
SW - "Test Methods for Evaluating Solid Waste", SW 846, 3rd edition, November 1986.
CLP - Contract Laboratory Program Statement of Work, SOW 7/88.

2 Holding time periods are based from sample collection date to sample analysis date.

3 Seven/fourteen days from sample collection to extraction; 40 days from extraction to completion of analysis.

TABLE 2e

SUMMARY OF ANALYTICAL METHODS
AND HOLDING TIME PERIODS
OLIN SITE - DRUM TEST PITS
10/2/91 - 10/8/91 SAMPLING EVENT

Analysis	Method[1]	Holding Time[2]
TAL Metals (Except Mercury)	SW 6010/7000 Series	6 Months
Mercury	SW 6010/7000 Series	28 Days
Cyanide	SW 9010M	14 Days
Chloride	SW 9251M	28 Days
NH_3	EPA 350.1	28 Days
Sulfate	SW 9038M	28 Days
TS	CLP	7 Days
TCL Pesticides/PCB	SW 8080	7(w) - 14(s)/40[3]
TCL BNA	SW 8270	7(w) - 14(s)/40[3]
TCL VOA	EPA 624/SW 8240	14 days
Flashpoint	SW 1010	None

---

1 Methods were derived from:
EPA - "Methods for Chemical Analysis of Water and Wastes", EPA - 600/4-79-020, revised March 1983.
SW - "Test Methods for Evaluating Solid Waste", SW 846, 3rd edition, November 1986.
CLP - Contract Laboratory Program Statement of Work, SOW 7/88.

2 Holding time periods are based from sample collection date to sample analysis date.

3 Seven/fourteen days from sample collection to extraction; 40 days from extraction to completion of analysis.

TABLE 2f

SUMMARY OF ANALYTICAL METHODS
AND HOLDING TIME PERIODS
10/10/91 SAMPLING EVENT

Analysis	Method[1]	Holding Time[2]
Metals (except Mercury)	SW 6010/7000 Series	6 Months
Mercury	SW 6010/7000 Series	28 Days
NH_3	EPA 350.1	28 Days
TS	CLP	7 Days
Sulfate	SW 9038M	28 Days
VOC	SW 8240	14 Days
BNA	SW 8270	14/40 Days[3]

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1 Methods were derived from:
EPA - "Methods for Chemical Analysis of Water and Wastes", EPA - 600/4-79-020, revised March 1983.
SW - "Test Methods for Evaluating Solid Waste", SW 846, 3rd edition, November 1986.
CLP - Contract Laboratory Program Statement of Work, 7/88.

2 Holding time periods are based from sample collection date to sample analysis date.

3 14 days from sample collection to extraction; 40 days from extraction to completion of analysis.

TABLE 2g

SUMMARY OF ANALYTICAL METHODS
AND HOLDING TIME PERIODS
OLIN SITE
12/5/91 - 12/13/91 SAMPLING EVENT

Analysis	Method[1]	Holding Time[2]
TAL Metals (Except Mercury)	EPA 200 Series	6 Months
Mercury	EPA 245.1	28 Days
Cyanide	EPA 335.2	14 Days
Chloride	EPA 325.2	28 Days
NH_3	EPA 350.1	28 Days
Sulfate	EPA 375.4	28 Days
TCL Pesticides/PCB	SW 8080	7(w) - 14(s)/40[3]
TCL BNA	SW 8270	7(w) - 14(s)/40[3]
TCL VOA	EPA 624/SW 8240	14 days
Trimethylpentenes	EPA 624/SW 8240	14 days

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1 Methods were derived from:
EPA - "Methods for Chemical Analysis of Water and Wastes", EPA - 600/4-79-020, revised March 1983 and "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", EPA 600/4-82-057, July 1983.
SW - "Test Methods for Evaluating Solid Waste", SW 846, 3rd edition, November 1986.

2 Holding time periods are based from sample collection date to sample analysis date.

3 Seven (water)/fourteen (soil) days from sample collection to extraction; 40 days from extraction to completion of analysis.

TABLE 2h

SUMMARY OF ANALYTICAL METHODS
AND HOLDING TIME PERIODS
OLIN SITE
1/28/92 & 2/8/92 SAMPLING EVENT

Analysis	Method[1]	Holding Time
Chloride	EPA 325.2	28 Days
NH_3	EPA 350.1	28 Days
Sulfate	EPA 375.4	28 Days
Chromium	EPA 200.7	6 Months

[1] Methods were derived from:
EPA - "Methods for Chemical Analysis of Water and Wastes", EPA - 600/4-79-020, revised March 1983.

TABLE 2i

SUMMARY OF ANALYTICAL METHODS
AND HOLDING TIME PERIODS
OLIN SITE
2/10/92 SAMPLING EVENT

Analysis	Method[1]	Holding Time[2]
TAL Metals (Except Mercury)	EPA 6010/7000 Series	6 Months
Mercury	SW 7471	28 Days
Cyanide	SW 9010	14 Days
Chloride	SW 9251	28 Days
NH_3 (Ammonia)	EPA 350.1	28 Days
Sulfate	SW 9038	28 Days
TS (Total Residue)	CLP	7 Days
TCL Pesticides/PCB	SW 8080	7(w) - 14(s)/40[3]
TCL BNA	SW 8270	7(w) - 14(s)/40[3]
TCL VOA	SW 8240	14 days
Flashpoint	SW 1010	None

---

1 Methods were derived from:
EPA - "Methods for Chemical Analysis of Water and Wastes", EPA - 600/4-79-020, Revised March 1983.
SW - "Test Methods for Evaluating Solid Waste", SW 846, 3rd edition, November 1986.
APHA - "Standard Methods for the Examination of Water and Wastewater", APHA, 16th edition, 1985.
CLP - Contract Laboratory Prgram Statement of Work, 7/88

2 Holding time periods are based from sample collection date to sample analysis date.

3 Holding times are as follows:
7 days (water samples)/14 days (soil samples) from sample collection to extraction; 40 days from extraction to completion of analysis.

TABLE 3a

QUALIFIED DATA DUE TO
HOLDING TIME VIOLATIONS
OLIN SITE
6/5/91 - 6/13/91 SAMPLING EVENT

Analysis	Sample ID	Prescribed Holding Time	Actual Holding Time	Qualifier[1]
Chloride	S-910605-JM-01	28 days	37 days	J/UJ
	S-910605-JM-02	28 days	37 days	J/UJ
	S-910605-JM-03	28 days	37 days	J/UJ
	S-910606-JM-04	28 days	36 days	J/UJ
	S-910606-JM-05	28 days	36 days	J/UJ
	S-910606-JM-06	28 days	36 days	J/UJ
Cyanide	S-910605-JM-01	14 days	30 days	J/UJ
	S-910605-JM-02	14 days	30 days	J/UJ
	S-910605-JM-03	14 days	30 days	J/UJ
	S-910606-JM-04	14 days	29 days	J/UJ
	S-910606-JM-05	14 days	29 days	J/UJ
	S-910606-JM-06	14 days	29 days	J/UJ
NH_3	S-910605-JM-01	28 days	56 days	J/UJ
	S-910605-JM-02	28 days	56 days	J/UJ
	S-910605-JM-03	28 days	56 days	J/UJ
	S-910606-JM-04	28 days	55 days	J/UJ
	S-910606-JM-05	28 days	55 days	J/UJ
	S-910606-JM-06	28 days	55 days	J/UJ
Sulfate	S-910605-JM-01	28 days	35 days	J/UJ
	S-910605-JM-02	28 days	35 days	J/UJ
	S-910605-JM-03	28 days	35 days	J/UJ
	S-910606-JM-04	28 days	34 days	J/UJ
	S-910606-JM-05	28 days	34 days	J/UJ
	S-910606-JM-06	28 days	34 days	J/UJ

1 Sample data should be qualified as:
J - The associated value is an estimated quantity for detected analytes.
UJ - The analyte was checked for, but not detected. The associated value is an estimate.

TABLE 3a (CONT'D)

QUALIFIED DATA DUE TO
HOLDING TIME VIOLATIONS
OLIN SITE
6/5/91 - 6/13/91 SAMPLING EVENT

Analysis	Sample ID	Prescribed Holding Time	Actual Holding Time	Qualifier[1]
TOC	S-910605-JM-01	28 days	37 days	J/UJ
	S-910605-JM-02	28 days	37 days	J/UJ
	S-910605-JM-03	28 days	37 days	J/UJ
	S-910606-JM-04	28 days	36 days	J/UJ
Chloride	W-910611-JM-26	28 days	35 days	J/UJ
	W-910611-JM-32	28 days	35 days	J/UJ
	S-910611-JM-26	28 days	31 days	J/UJ
	S-910611-JM-27	28 days	31 days	J/UJ
	S-910611-JM-28	28 days	31 days	J/UJ
	S-910611-JM-29	28 days	31 days	J/UJ
	S-910611-JM-30	28 days	31 days	J/UJ
	S-910611-JM-31	28 days	31 days	J/UJ
	S-910611-JM-32	28 days	31 days	J/UJ
	S-910611-JM-33	28 days	31 days	J/UJ
	S-910611-JM-34	28 days	31 days	J/UJ
	S-910611-JM-35	28 days	31 days	J/UJ
	S-910611-JM-36	28 days	31 days	J/UJ
	S-910611-JM-38	28 days	31 days	J/UJ
	S-910611-JM-40	28 days	31 days	J/UJ
Cyanide	W-910611-JM-26	14 days	21 days	J/UJ
	W-910611-JM-32	14 days	21 days	J/UJ
	S-910611-JM-26	14 days	35 days	J/UJ
	S-910611-JM-27	14 days	35 days	J/UJ
	S-910611-JM-28	14 days	35 days	J/UJ
	S-910611-JM-29	14 days	35 days	J/UJ
	S-910611-JM-30	14 days	35 days	J/UJ
	S-910611-JM-31	14 days	35 days	J/UJ
	S-910611-JM-32	14 days	35 days	J/UJ
	S-910611-JM-33	14 days	35 days	J/UJ
	S-910611-JM-34	14 days	35 days	J/UJ
	S-910611-JM-35	14 days	35 days	J/UJ

TABLE 3a (CONT'D)

QUALIFIED DATA DUE TO
HOLDING TIME VIOLATIONS
OLIN SITE
6/5/91 - 6/13/91 SAMPLING EVENT

Analysis	Sample ID	Prescribed Holding Time	Actual Holding Time	Qualifier[1]
Cyanide	S-910611-JM-36	14 days	35 days	J/UJ
	S-910611-JM-38	14 days	35 days	J/UJ
	S-910611-JM-40	14 days	35 days	J/UJ
NH_3	W-910611-JM-26	28 days	51 days	J/UJ
	W-910611-JM-32	28 days	51 days	J/UJ
	S-910611-JM-26	28 days	50 days	J/UJ
	S-910611-JM-27	28 days	50 days	J/UJ
	S-910611-JM-28	28 days	50 days	J/UJ
	S-910611-JM-29	28 days	50 days	J/UJ
	S-910611-JM-30	28 days	50 days	J/UJ
	S-910611-JM-31	28 days	50 days	J/UJ
	S-910611-JM-32	28 days	50 days	J/UJ
	S-910611-JM-33	28 days	50 days	J/UJ
	S-910611-JM-34	28 days	50 days	J/UJ
	S-910611-JM-35	28 days	50 days	J/UJ
	S-910611-JM-36	28 days	50 days	J/UJ
	S-910611-JM-38	28 days	50 days	J/UJ
	S-910611-JM-40	28 days	50 days	J/UJ
Sulfate	W-910611-JM-26	28 days	38 days	J/UJ
	W-910611-JM-32	28 days	38 days	J/UJ
	S-910611-JM-26	28 days	30 days	J/UJ
	S-910611-JM-27	28 days	30 days	J/UJ
	S-910611-JM-28	28 days	30 days	J/UJ
	S-910611-JM-29	28 days	30 days	J/UJ
	S-910611-JM-30	28 days	30 days	J/UJ
	S-910611-JM-31	28 days	30 days	J/UJ
	S-910611-JM-32	28 days	30 days	J/UJ
	S-910611-JM-33	28 days	31 days	J/UJ
	S-910611-JM-34	28 days	31 days	J/UJ
	S-910611-JM-35	28 days	31 days	J/UJ

TABLE 3a (CONT'D)

QUALIFIED DATA DUE TO
HOLDING TIME VIOLATIONS
OLIN SITE
6/5/91 - 6/13/91 SAMPLING EVENT

Analysis	Sample ID	Prescribed Holding Time	Actual Holding Time	Qualifier[1]
Sulfate	S-910611-JM-36	28 days	31 days	J/UJ
	S-910611-JM-38	28 days	31 days	J/UJ
	S-910611-JM-40	28 days	31 days	J/UJ
Chloride	S-910606-JM-07	28 days	36 days	J/UJ
	S-910606-JM-08	28 days	36 days	J/UJ
	S-910607-JM-09	28 days	35 days	J/UJ
	S-910607-JM-10	28 days	35 days	J/UJ
	S-910607-JM-11	28 days	35 days	J/UJ
	S-910607-JM-12	28 days	35 days	J/UJ
	S-910610-JM-13	28 days	32 days	J/UJ
	S-910610-JM-14	28 days	32 days	J/UJ
	S-910610-JM-15	28 days	32 days	J/UJ
	S-910610-JM-16	28 days	32 days	J/UJ
	S-910610-JM-17	28 days	32 days	J/UJ
	S-910610-JM-18	28 days	32 days	J/UJ
	S-910610-JM-19	28 days	32 days	J/UJ
	S-910610-JM-20	28 days	32 days	J/UJ
	S-910610-JM-21	28 days	32 days	J/UJ
	S-910610-JM-22	28 days	32 days	J/UJ
	S-910610-JM-23	28 days	32 days	J/UJ
	S-910610-JM-24	28 days	32 days	J/UJ
	S-910610-JM-25	28 days	32 days	J/UJ
Cyanide	S-910606-JM-07	14 days	29 days	J/UJ
	S-910606-JM-08	14 days	29 days	J/UJ
	S-910607-JM-09	14 days	28 days	J/UJ
	S-910607-JM-10	14 days	28 days	J/UJ
	S-910607-JM-11	14 days	28 days	J/UJ
	S-910607-JM-12	14 days	28 days	J/UJ
	S-910610-JM-13	14 days	25 days	J/UJ
	S-910610-JM-14	14 days	25 days	J/UJ
	S-910610-JM-15	14 days	25 days	J/UJ
	S-910610-JM-16	14 days	25 days	J/UJ
	S-910610-JM-17	14 days	25 days	J/UJ

TABLE 3a (CONT'D)

QUALIFIED DATA DUE TO
HCLDING TIME VIOLATIONS
OLIN SITE
6/5/91 - 6/13/91 SAMPLING EVENT

Analysis	Sample ID	Prescribed Holding Time	Actual Holding Time	Qualifier[1]
Cyanide	S-910610-JM-18	14 days	25 days	J/UJ
	S-910610-JM-19	14 days	25 days	J/UJ
	S-910610-JM-20	14 days	25 days	J/UJ
	S-910610-JM-21	14 days	25 days	J/UJ
	S-910610-JM-22	14 days	25 days	J/UJ
	S-910610-JM-23	14 days	25 days	J/UJ
	S-910610-JM-24	14 days	25 days	J/UJ
	S-910610-JM-25	14 days	25 days	J/UJ
NH_3	S-910606-JM-07	14 days	55 days	J/UJ
	S-910606-JM-08	14 days	55 days	J/UJ
	S-910607-JM-09	14 days	54 days	J/UJ
	S-910607-JM-10	14 days	54 days	J/UJ
	S-910607-JM-11	14 days	54 days	J/UJ
	S-910607-JM-12	14 days	54 days	J/UJ
	S-910610-JM-13	14 days	51 days	J/UJ
	S-910610-JM-14	14 days	51 days	J/UJ
	S-910610-JM-15	14 days	51 days	J/UJ
	S-910610-JM-16	14 days	51 days	J/UJ
	S-910610-JM-17	14 days	51 days	J/UJ
	S-910610-JM-18	14 days	51 days	J/UJ
	S-910610-JM-19	14 days	51 days	J/UJ
	S-910610-JM-20	14 days	51 days	J/UJ
	S-910610-JM-21	14 days	51 days	J/UJ
	S-910610-JM-22	14 days	51 days	J/UJ
	S-910610-JM-23	14 days	51 days	J/UJ
	S-910610-JM-24	14 days	51 days	J/UJ
	S-910610-JM-25	14 days	51 days	J/UJ
Sulfate	S-910606-JM-07	28 days	34 days	J/UJ
	S-910606-JM-08	28 days	34 days	J/UJ
	S-910607-JM-09	28 days	33 days	J/UJ
	S-910607-JM-10	28 days	33 days	J/UJ
	S-910607-JM-11	28 days	33 days	J/UJ

TABLE 3a (CONT'D)

QUALIFIED DATA DUE TO
HOLDING TIME VIOLATIONS
OLIN SITE
6/5/91 - 6/13/91 SAMPLING EVENT

Analysis	Sample ID	Prescribed Holding Time	Actual Holding Time	Qualifier[1]
Sulfate	S-910607-JM-12	28 days	33 days	J/UJ
	S-910610-JM-13	28 days	30 days	J/UJ
	S-910610-JM-14	28 days	30 days	J/UJ
	S-910610-JM-15	28 days	30 days	J/UJ
	S-910610-JM-16	28 days	30 days	J/UJ
	S-910610-JM-17	28 days	30 days	J/UJ
	S-910610-JM-18	28 days	30 days	J/UJ
	S-910610-JM-19	28 days	30 days	J/UJ
	S-910610-JM-20	28 days	30 days	J/UJ
	S-910610-JM-21	28 days	30 days	J/UJ
	S-910610-JM-22	28 days	30 days	J/UJ
	S-910610-JM-23	28 days	30 days	J/UJ
	S-910610-JM-24	28 days	30 days	J/UJ
	S-910610-JM-25	28 days	30 days	J/UJ

TABLE 3b

QUALIFIED DATA DUE TO
HOLDING TIME VIOLATIONS
OLIN SITE

7/08/91-7/10/92 & 7/30/91 - 8/01/91 SAMPLING EVENTS

Analysis	Sample ID	Prescribed Holding Time	Actual Holding Time	Qualifier[1]
Mercury	SS-910730-JM-46, 47, 48	28 days	30 days	J/UJ
Mercury	SS-910730-JM-49, 50, 51	28 days	30 days	J/UJ
Chloride	SS-910730-JM-46, 47, 48	28 days	30 days	J/UJ
Chloride	SS-910730-JM-49, 50, 51	28 days	30 days	J/UJ
Chloride	SS-910801-JM-52, 53, 54	28 days	30 days	J/UJ
Cyanide	SS-910730-JM-46, 47, 48	14 days	24 days	J/UJ
	SS-910730-JM-49, 50, 51	14 days	24 days	J/UJ
	SS-910801-JM-52, 53, 54	14 days	22 days	J/UJ
Sulfate	SS-910730-JM-46, 47, 48	28 days	35 days	J/UJ
	SS-910730-JM-49, 50, 51	28 days	35 days	J/UJ
	SS-910801-JM-52, 53, 54	28 days	35 days	J/UJ
TS	SS-910730-JM-46, 47, 48	7 days	8 days	J/UJ
	SS-910730-JM-49, 50, 51	7 days	8 days	J/UJ
BNA	SS-910730-JM-46, 47, 48 REDL	14 days - ext.	17 days - ext.	J/UJ
	SS-910730-JM-49, 50, 51 REDL	14 days - ext.	17 days - ext.	J/UJ
	SS-910801-JM-52, 53, 54 RE	14 days - ext.	15 days - ext.	J/UJ
	SS-910801-JM-52, 53, 54 REDL	14 days - ext.	15 days - ext.	J/UJ
	SS-910801-JM-52, 53, 54 DUPRE	14 days - ext.	15 days - ext.	J/UJ
	SS-910801-JM-52, 53, 54 MSRE	14 days - ext.	15 days - ext.	J/UJ
Chloride	RB-910710-MB-45	28 days	29 days	J/UJ

[1] Sample data should be qualified as:
J - The associated value is an estimated quantity for detected analytes.
UJ - The analyte was checked for, but not detected. The associated value is an estimate.

TABLE 3b (Cont'd)

QUALIFIED DATA DUE TO
HOLDING TIME VIOLATIONS
OLIN SITE

7/08/91-7/10/92 & 7/30/91 - 8/01/91 SAMPLING EVENTS

Analysis	Sample ID	Prescribed Holding Time	Actual Holding Time	Qualifier[1]
Chloride	SS-910708-MB-1, 2, 3, 4	28 days	35 days	J/UJ
	SS-910709-MB-5, 6, 7, 8	28 days	34 days	J/UJ
	SS-910709-MB-9, 10, 11, 12	28 days	34 days	J/UJ
	SS-910709-MB-13, 14, 15, 16	28 days	34 days	J/UJ
	SS-910709-MB-17, 18, 19, 20	28 days	34 days	J/UJ
	SS-910709-MB-21, 22, 23, 24	28 days	34 days	J/UJ
	SS-910709-MB-25, 26, 27, 28	28 days	34 days	J/UJ
	SS-910709-MB-29, 30, 31, 32	28 days	34 days	J/UJ
	SS-910709-MB-33, 34, 35, 36	28 days	34 days	J/UJ
	SS-910709-MB-37, 38, 39, 40	28 days	29 days	J/UJ
	SS-910709-MB-41, 42, 43, 44	28 days	29 days	J/UJ
Cyanide	SS-910708-MB-1, 2, 3, 4	14 days	33 days	J/UJ
	SS-910709-MB-5, 6, 7, 8	14 days	32 days	J/UJ
	SS-910709-MB-9, 10, 11, 12	14 days	32 days	J/UJ
	SS-910709-MB-13, 14, 15, 16	14 days	32 days	J/UJ
	SS-910709-MB-17, 18, 19, 20	14 days	32 days	J/UJ
	SS-910709-MB-21, 22, 23, 24	14 days	32 days	J/UJ
	SS-910709-MB-25, 26, 27, 28	14 days	32 days	J/UJ
	SS-910709-MB-29, 30, 31, 32	14 days	32 days	J/UJ
	SS-910709-MB-33, 34, 35, 36	14 days	32 days	J/UJ
	SS-910709-MB-37, 38, 39, 40	14 days	32 days	J/UJ
	SS-910709-MB-41, 42, 43, 44	14 days	32 days	J/UJ
TS	SS-910708-MB-1, 2, 3, 4	7 days	10 days	J/UJ
	SS-910709-MB-5, 6, 7, 8	7 days	9 days	J/UJ
	SS-910709-MB-9, 10, 11, 12	7 days	9 days	J/UJ
	SS-910709-MB-13, 14, 15, 16	7 days	9 days	J/UJ
	SS-910709-MB-17, 18, 19, 20	7 days	9 days	J/UJ
	SS-910709-MB-21, 22, 23, 24	7 days	9 days	J/UJ
	SS-910709-MB-25, 26, 27, 28	7 days	9 days	J/UJ
	SS-910709-MB-29, 30, 31, 32	7 days	9 days	J/UJ
	SS-910709-MB-33, 34, 35, 36	7 days	9 days	J/UJ
	SS-910709-MB-37, 38, 39, 40	7 days	9 days	J/UJ
	SS-910709-MB-41, 42, 43, 44	7 days	9 days	J/UJ

[1] Sample data should be qualified as:
J - The associated value is an estimated quantity for detected analytes.
UJ - The analyte was checked for, but not detected. The associated value is an estimate.

TABLE 3b (Cont'd)

QUALIFIED DATA DUE TO
HOLDING TIME VIOLATIONS
OLIN SITE

7/08/91-7/10/92 & 7/30/91 - 8/01/91 SAMPLING EVENTS

Analysis	Sample ID	Prescribed Holding Time	Actual Holding Time	Qualifier[1]
Sulfate	SS-910708-MB-1, 2, 3, 4	28 days	30 days	J/UJ
	SS-910709-MB-5, 6, 7, 8	28 days	29 days	J/UJ
	SS-910709-MB-9, 10, 11, 12	28 days	29 days	J/UJ
	SS-910709-MB-13, 14, 15, 16	28 days	29 days	J/UJ
	SS-910709-MB-17, 18, 19, 20	28 days	29 days	J/UJ
	SS-910709-MB-21, 22, 23, 24	28 days	29 days	J/UJ
	SS-910709-MB-25, 26, 27, 28	28 days	29 days	J/UJ
	SS-910709-MB-29, 30, 31, 32	28 days	29 days	J/UJ
	SS-910709-MB-33, 34, 35, 36	28 days	29 days	J/UJ
	SS-910709-MB-37, 38, 39, 40	28 days	29 days	J/UJ
	SS-910709-MB-41, 42, 43, 44	28 days	29 days	J/UJ
Pesticides/ PCBs	SS-910708-MB-1, 2, 3, 4	40 days analysis	65 days analysis	J/UJ
	SS-910709-MB-5, 6, 7, 8	40 days analysis	64 days analysis	J/UJ
	SS-910709-MB-9, 10, 11, 12	40 days analysis	64 days analysis	J/UJ
	SS-910709-MB-13, 14, 15, 16	40 days analysis	64 days analysis	J/UJ
	SS-910709-MB-17, 18, 19, 20	40 days analysis	64 days analysis	J/UJ
	SS-910709-MB-21, 22, 23, 24	40 days analysis	64 days analysis	J/UJ
	SS-910709-MB-25, 26, 27, 28	40 days analysis	66 days analysis	J/UJ
	SS-910709-MB-29, 30, 31, 32	40 days analysis	66 days analysis	J/UJ
	SS-910709-MB-33, 34, 35, 36	40 days analysis	65 days analysis	J/UJ
	SS-910709-MB-37, 38, 39, 40	40 days analysis	65 days analysis	J/UJ
	SS-910709-MB-41, 42, 43, 44	40 days analysis	65 days analysis	J/UJ
	SS-910709-MB-25, 26, 27, 28 MS	40 days analysis	66 days analysis	J/UJ
	SS-910709-MB-25, 26, 27, 28 DUP	40 days analysis	67 days analysis	J/UJ
	SS-910709-MB-25, 26, 27, 28 DUP	14 days ext.	16 days ext.	J/UJ

[1] Sample data should be qualified as:
J - The associated value is an estimated quantity for detected analytes.
UJ - The analyte was checked for, but not detected. The associated value is an estimate.

TABLE 3c

QUALIFIED DATA DUE TO
HOLDING TIME VIOLATIONS
OLIN SITE - DRUM TEST PITS
10/2/91 - 10/8/91 SAMPLING EVENT

Analysis	Sample ID	Prescribed Holding Time	Actual Holding Time	Qualifier[1]
Chloride	DS-02-TP-6	28 days	31 days	J/UJ
	DS-03-TP-8	28 days	31 days	J/UJ
	DS-04-TP-8	28 days	31 days	J/UJ
	DS-05-TP-8	28 days	31 days	J/UJ
Cyanide	DS-05-TP-8	14 days	30 days	J/UJ
	DS-07-TP-21	14 days	25 days	J/UJ
NH3	DS-02-TP-6	28 days	33 days	J/UJ
	DS-03-TP-8	28 days	32 days	J/UJ
	DS-04-TP-8	28 days	32 days	J/UJ
	DS-05-TP-8	28 days	32 days	J/UJ
Sulfate	DS-02-TP-6	28 days	33 days	J/UJ
	DS-03-TP-8	28 days	32 days	J/UJ
	DS-04-TP-8	28 days	32 days	J/UJ
	DS-05-TP-8	28 days	32 days	J/UJ
TS	DS-02-TP-6	7 days	8 days	J/UJ
	SS-07-TP-21	7 days	9 days	J/UJ

1 Sample data should be qualified as:
J - The associated value is an estimated quantity for detected analytes.
UJ - The analyte was checked for, but not detected. The associated value is an estimate.

TABLE 3d

QUALIFIED DATA DUE TO
HOLDING TIME VIOLATIONS
OLIN SITE - SOILTEST PITS
10/2/91 - 10/8/91 SAMPLING EVENT

Analysis	Sample ID	Prescribed Holding Time	Actual Holding Time	Qualifier[1]
BNA	S-06-TP-19	14 days - extraction	28 days - extraction	J/UJ
Pest./PCB	S-06-TP-19	14 days - extraction	21 days - extraction	J/UJ

[1] Sample data should be qualified as:
J - The associated value is an estimated quantity for detected analytes.
UJ - The analyte was checked for, but not detected. The associated value is an estimate.

TABLE 3e

QUALIFIED DATA DUE TO
HOLDING TIME VIOLATIONS
OLIN SITE
12/5/91 - 12/13/91 SAMPLING EVENT

Analysis	Sample ID	Prescribed Holding Time	Actual Holding Time	Qualifier[1]
NH_3	SW-MMB-01	28 days	29 days	J/UJ
Chloride	W-911206-JM-003	28 days	31 days	J/UJ
Chloride	W-911206-JM-004	28 days	31 days	J/UJ
Chloride	W-911207-JM-007	28 days	30 days	J/UJ
Chloride	W-911207-JM-008	28 days	30 days	J/UJ
Chloride	W-911207-JM-009	28 days	30 days	J/UJ
Chloride	W-911208-JM-014	28 days	29 days	J/UJ

1 Sample data should be qualified as:
J - The associated value is an estimated quantity for detected analytes.
UJ - The analyte was checked for, but not detected. The associated value is an estimate.

TABLE 4a

SUMMARY OF ANALYTES
DETECTED IN METHOD BLANKS
OLIN SITE
6/5/91 - 6/13/91 SAMPLING EVENT

Analysis	Parameter	Concentration	Associated Samples[1]
VOC	Methylene Chloride	1 ug/kg	S-910605-JM-02
	Acetone	6 ug/kg	S-910605-JM-02DL
	2-Hexanone	2 ug/kg	S-910605-JM-03
			S-910605-JM-03MS
			S-910605-JM-03 Dup
			S-910606-JM-04
			S-910606-JM-04DL
			S-910606-JM-05
			S-910606-JM-06
VOC	Methylene Chloride	2.0 ug/g	S-910605-JM-01
			S-910605-JM-01MS
			S-910605-JM-01 Dup
BNA	Di-n-butylphthalate	190 ug/kg	S-910605-JM-01
	Bis(2-ethylhexyl)phthalate	78 ug/kg	S-910605-JM-02
			S-910605-JM-03
			S-910606-JM-04
			S-910606-JM-04DL
			S-910606-JM-04MS
			S-910606-JM-04 Dup
			S-910606-JM-05
			S-910606-JM-06
VOC	Methylene Chloride	3 ug/kg	S-910611-JM-26DL
	Acetone	8 ug/kg	S-910611-JM-27 Dup
VOC	Methylene Chloride	1 ug/kg	S-910611-JM-31
	Acetone	3 ug/kg	S-910611-JM-35
			S-910611-JM-36
			S-910611-JM-38
			S-910611-JM-40
			S-910611-JM-27MS

TABLE 4a (CONT'D)

SUMMARY OF ANALYTES
DETECTED IN METHOD BLANKS
OLIN SITE
6/5/91 - 6/13/91 SAMPLING EVENT

Analysis	Parameter	Concentration	Associated Samples[1]
VOC	Methylene Chloride	5 ug/kg	S-910611-JM-27
	Acetone	3 ug/kg	S-910611-JM-28
			S-910611-JM-29
			S-910611-JM-30
			S-910611-JM-32
			S-910611-JM-33
			S-910611-JM-34
BNA	Di-n-butylphthalate	100 ug/kg	S-910611-JM-26
			S-910611-JM-26DL
			S-910611-JM-27
			S-910611-JM-28
			S-910611-JM-28DL
BNA	Di-n-butylphthalate	100 ug/kg	S-910611-JM-29
			S-910611-JM-29DL
			S-910611-JM-30
			S-910611-JM-31
			S-910611-JM-32
	Di-n-butylphthalate	68 ug/kg	S-910611-JM-33
			S-910611-JM-34
			S-910611-JM-35
			S-910611-JM-36
			S-910611-JM-36DL
			S-910611-JM-38
			S-910611-JM-38DL
			S-910611-JM-38 Dup DL
			S-910611-JM-38MS
			S-910611-JM-38MSDL
			S-910611-JM-40

TABLE 4a (CONT'D)

SUMMARY OF ANALYTES
DETECTED IN METHOD BLANKS
OLIN SITE
6/5/91 - 6/13/91 SAMPLING EVENT

Analysis	Parameter	Concentration	Associated Samples[1]
BNA	Bis(2-ethylhexyl)phthalate	4 ug/kg	W-910611-JM-26 W-910611-JM-32
General Chemistry	Chloride	2.03 mg/*l*	S-910606-JM-07 S-910606-JM-08 S-910606-JM-09 S-910606-JM-10
VOC	Methylene Chloride Acetone 2-Butanone	3 ug/kg 5 ug/kg 1 ug/kg	S-910606-JM-07 S-910607-JM-10 S-910610-JM-13 S-910610-JM-14 S-910610-JM-15 S-910610-JM-17 S-910610-JM-18
VOC	Methylene Chloride Acetone 2-Butanone 2-Hexanone	4 ug/kg 4 ug/kg 1 ug/kg 2 ug/kg	S-910610-JM-19 S-910610-JM-21 S-910610-JM-23 S-910610-JM-24 S-910610-JM-15 Dup S-910610-JM-15MS S-910607-JM-11
VOC	Methylene Chloride Acetone 2-Butanone 4-Methyl-2-pentanone	3 ug/kg 3 ug/kg 1 ug/kg 1 ug/kg	S-910607-JM-12 S-910610-JM-20 S-910610-JM-22 S-910610-JM-25
VOC	Methylene Chloride Acetone	5 ug/kg 3 ug/kg	S-910607-JM-07 S-910606-JM-08

TABLE 4a (CONT'D)

SUMMARY OF ANALYTES
DETECTED IN METHOD BLANKS
OLIN SITE
6/5/91 - 6/13/91 SAMPLING EVENT

Analysis	Parameter	Concentration	Associated Samples[1]
VOC	Methylene Chloride Acetone	1 ug/kg 3 ug/kg	S-910610-JM-16DL
VOC	Methylene Chloride	1.9 ug/g	S-910610-JM-21
VOC	Methylene Chloride Acetone	13 ug/*l* 6 ug/*l*	Trip Blank 6/10/91
BNA	Di-n-butylphthalate	75 ug/kg 49 ug/kg	S-910606-JM-07 S-910606-JM-08 S-910607-JM-09 S-910607-JM-10 S-910607-JM-11 S-910607-JM-11RE S-910607-JM-12 S-910610-JM-13 S-910610-JM-13DL S-910610-JM-14 S-910610-JM-14DL S-910610-JM-15 S-910610-JM-16 S-910610-JM-20 S-910610-JM-21 S-910610-JM-21 Dup S-910610-JM-21MS S-910610-JM-22 S-910610-JM-22DL S-910610-JM-23 S-910610-JM-24 S-910610-JM-25

TABLE 4a (CONT'D)

SUMMARY OF ANALYTES
DETECTED IN METHOD BLANKS
OLIN SITE
6/5/91 - 6/13/91 SAMPLING EVENT

Analysis	Parameter	Concentration	Associated Samples[1]
BNA	Di-n-butylphthalate	28 ug/kg	S-910610-JM-17
	Bis(2-ethylhexyl)phthalate	36 ug/kg	S-910610-JM-23RE

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1 Positive sample results reported at a concentration less than 5x (10x for common lab contaminants: methylene chloride, acetone, toluene, 2-butanone, phthalate esters) the method blank concentration should be qualified as non-detect (U) with the associated value being the quantitation limit.

Note: If the positive sample result was less than the quantitation limit and less than the required amount (5x or 10x) form the blank result, the sample result should be qualified as non-detect (U) with the associated value being the quantitation limit (not the value below the quantitation limit).

TABLE 4b

SUMMARY OF ANALYTES
DETECTED ON METHOD BLANKS
OLIN SITE

7/08/91-7/10/92 & 7/30/91 - 8/01/91 SAMPLING EVENTS

Analysis	Parameter	Concentration	Associated Samples[1]
VOC	Methylene Chloride	4 ug/kg	SS-910730-JM-46, 47, 48
			SS-910730-JM-49, 50, 51
	Acetone	6 ug/kg	SS-910801-JM-52, 53, 54
	Benzene	1 ug/kg	SS-910801-JM-52, 53, 54 MS
			SS-910801-JM-52, 53, 54 DUP
VOC	Methylene Chloride	1 ug/kg	SS-910730-JM-46, 47, 48 RE
	Acetone	1 ug/kg	SS-910730-JM-49, 50, 51 RE
			SS-910801-JM-52, 53, 54 MSRE
BNA	Bis(2-ethyl-hexyl)	74 ug/kg	SS-910730-JM-46, 47, 48 REDL
	Phthalate		SS-910730-JM-49, 50, 51 REDL
			SS-910801-JM-52, 53, 54 RE
			SS-910801-JM-52, 53, 54 REDL
			SS-910801-JM-52, 53, 54 DUPRE
			SS-910801-JM-52, 53, 54 MSRE
VOC	Methylene Chloride	1 ug/kg	SS-910708-MB-1, 2, 3, 4
	Acetone	6 ug/kg	SS-910708-MB-5, 6, 7, 8
			SS-910708-MB-9, 10, 11, 12
			SS-910708-MB-13, 14, 15, 16

[1] Positive sample results reported at a concentration less than 5x (10x for common lab contaminants; methylene chloride, acetone, 2-butanone, phthalate esters) the method blank concentration should be qualified as non-detect (U) with the associated value being the quantitation limit.

Note: If the positive sample result was less than the quantitation limit and less than the required amount (5x or 10x) from the blank result, the sample should be qualified as non-detect (U) with the associated value being the quantitation limit (not the value below the quantitation limit).

TABLE 4b (Cont'd)

SUMMARY OF ANALYTES
DETECTED ON METHOD BLANKS
OLIN SITE

7/08/91-7/10/92 & 7/30/91 - 8/01/91 SAMPLING EVENTS

Analysis	Parameter	Concentration	Associated Samples[1]
VOC	Methylene Chloride	3 ug/kg	SS-910709-MB-17, 18, 19, 20
	Acetone	10 ug/kg	SS-910709-MB-21, 22, 23, 24
			SS-910709-MB-29, 30, 31, 32
			SS-910709-MB-33, 34, 35, 36
			SS-910709-MB-37, 38, 39, 40
			SS-910708-MB-41, 42, 43, 44
			SS-910709-MB-1, 2, 3, 4 RE
VOC	Methylene Chloride	3 ug/kg	SS-910709-MB-5, 6, 7, 8 RE
	Acetone	7 ug/kg	SS-910709-MB-9, 10, 11, 12 RE
			SS-910709-MB-13, 14, 15, 16 RE
			SS-910709-MB-17, 18, 19, 20 RE
			SS-910709-MB-25, 26, 27, 28
			SS-910709-MB-29, 30, 31, 32 RE
			SS-910709-MB-33, 34, 35, 36 RE
			SS-910709-MB-21, 22, 23, 24 DUP
			SS-910709-MB-21, 22, 23, 24, MS
			SS-910709-MB-37, 38, 39, 40 RE
			SS-910709-MB-41, 42, 43, 44 RE
BNA	Bis(2-ethylhexyl) phthalate	710 ug/kg	SS-910709-MB-25, 26, 27, 28 DUP

[1] Positive sample results reported at a concentration less than 5x (10x for common lab contaminants; methylene chloride, acetone, 2-butanone, phthalate esters) the method blank concentration should be qualified as non-detect (U) with the associated value being the quantitation limit.

Note: If the positive sample result was less than the quantitation limit and less than the required amount (5x or 10x) from the blank result, the sample should be qualified as non-detect (U) with the associated value being the quantitation limit (not the value below the quantitation limit).

TABLE 4c

SUMMARY OF ANALYTES
DETECTED IN METHOD BLANKS
OLIN SITE - DRUM TEST PITS
10/2/91 - 10/8/91 SAMPLING EVENT

Analysis	Parameter	Concentration	Associated Samples[1]
Metals	Zinc	0.028 mg/*l*	DS-07-TP-21
VOC	Methylene Chloride	0.2 ug/g	DS-02-TP-6
	Acetone	0.7 ug/g	DS-05-TP-8
	Chloroform	0.1 ug/g	DS-05-TP-8 MS
	1,1,2,2-tetrachloroethane	0.1 ug/g	DS-05-TP-8 Dup
VOC	Acetone	0.3 ug/g	DS-03-TP-8
			DS-04-TP-8
VOC	Methylene Chloride	0.3 ug/g	DS-07-TP-21
	Acetone	1.2 ug/g	DS-07-TP-21 DL
	2-butanone	1.9 ug/g	
BNA	Di-n-Butylphthalate	160 ug/kg	DS-07-TP-21

[1] Positive sample results reported at a concentration less than 5x (10x for common lab contaminants: methylene chloride, acetone, toluene, 2-butanone, phthalate esters) the method blank concentration should be qualified as non-detect (U) with the associated value being the quantitation limit.

TABLE 4d

SUMMARY OF ANALYTES
DETECTED IN METHOD BLANKS
OLIN SITE - SOIL TEST PITS
10/2/91 - 10/8/91 SAMPLING EVENT

Analysis	Parameter	Concentration	Associated Samples[1]
Metals	Zinc	0.028 mg/*l*	S-08-TP-21
VOC	Acetone	0.3 ug/g	S-01-TP-1 S-06-TP-19 MS
VOC	Acetone	0.7 ug/g	S-06-TP-19 S-06-TP-19 Dup.
	Methylene Chloride	0.2 ug/g	
	Chloroform	0.1 ug/g	
	1,1,2,2-Tetrachloroethane	0.1 ug/g	
VOC	Methylene Chloride	0.3 ug/g	S-08-TP-21
	Acetone	1.2 ug/g	
	2-Butanone	1.9 ug/g	
BNA	Di-n-Butylphthalate	160 ug/kg	S-08-TP-21

---

1 Positive sample results reported at a concentration less than 5x (10x for common lab contaminants: methylene chloride, acetone, toluene, 2-butanone, phthalate esters) the method blank concentration should be qualified as non-detect (U) with the associated value being the quantitation limit.
Note: If the positive sample result was less than the quantitation limit and less than the required amount (5x or 10x) from the blank result, the sample result should be qualified as non-detect (U) with the associated value being the quantitation limit (not the value below the quantitation limit).

TABLE 4e

SUMMARY OF ANALYTES
DETECTED IN METHOD BLANKS
OLIN SITE
10/10/91 SAMPLING EVENT

Analysis	Parameter	Concentration	Associated Samples[1]
VOC	Methylene Chloride	0.3 ug/g	S-911010-JM-02
	Acetone	1.2 ug/g	S-911010-JM-03
	2-Butanone	1.9 ug/g	S-911010-JM-01
			S-911010-JM-01 Dup
			S-911010-JM-01MS
BNA	Bis(2-ethylhexyl)phthalate	1,300 ug/kg	S-911010-JM-01
			S-911010-JM-01MS
			S-911010-JM-01 Dup
			S-911010-JM-02
			S-911010-JM-03
			S-911010-JM-03DL

---

1 Positive sample results reported at a concentration less than 5 times (10 times for common lab contaminants: methylene chloride, acetone, toluene, 2-butanone, phthalate esters) the method blank concentration should be qualified as non-detect (U) with the associated value being the quantitation limit.
Note: If the positive result was less than the quantitation limit and less than the required amount (5x or 10x) from the blank result, the sample result should be qualified as non-detect (U) with the associated value being the quantitation limit (not the value below the quantitation limit).

TABLE 4f

SUMMARY OF ANALYTES
DETECTED IN METHOD BLANKS
OLIN SITE
12/5/91 - 12/13/91 SAMPLING EVENT

Analysis	Parameter	Concentration µg/l	Associated Samples[1]
VOC	Methylene Chloride	2	W-911205-JM-002
	Chloroform	1	W-911205-JM-001
VOC	Methylene Chloride	2	W-911205-JM-001 DL
	Acetone	6	W-911205-JM-001 Dup. DL
			W-911205-JM-001 DL MS
VOC	Methylene Chloride	2	W-911206-JM-003
	Acetone	5	W-911206-JM-004
	Chloroform	1	W-911206-JM-005
	2-Butanone	2	W-911206-JM-006
	2-Hexanone	5	W-911207-JM-007
	Tetrachloroethene	2	W-911207-JM-008
	Toluene	1	W-911207-JM-009
			W-911207-JM-010
			W-911207-JM-011
			W-911207-JM-012
			W-911208-JM-013
			W-911208-JM-014

[1] Positive sample results reported at a concentration less than 5x (10x for common lab contaminants: methylene chloride, acetone, 2-butanone, phthalate esters), the method blank concentration should be qualified as non-detect (U) with the associated value being the quantitation limit.
Note: If the positive sample result was less than the quantitation limit and less than the required amount (5x or 10x) from the blank result, the sample result should be qualified as non-detect (U) with the associated value being the quantitation limit.

TABLE 4 f (CONT'D)

SUMMARY OF ANALYTES
DETECTED IN METHOD BLANKS
OLIN SITE
12/5/91 - 12/13/91 SAMPLING EVENT

Analysis	Parameter	Concentration µg/l	Associated Samples[1]
VOC	Methylene Chloride	2	W-911206-JM-003DL
	Acetone	4	W-911206-JM-004DL
	Chloroform	1	W-911206-JM-005DL
	Bromoform	1	W-911207-JM-012DUP
	Tetrachloroethene	1	W-911207-JM-012MS
	1,1,2,2-Tetrachloroethane	1	
	Toluene	1	
fVOC	Methylene Chloride	3	W-911207-JM-011
	Acetone	3	W-911206-JM-006DL
	Chloroform	1	
	Tetrachloroethene	1	
	1,1,2,2-Tetrachloroethane	1	
	Toluene	1	
VOC	Methylene Chloride	5	W-911207-JM-009DL
	Acetone	4	W-911207-JM-010RE
	Chloroform	1	W-911207-JM-012RE
	2-Butanone	4	W-911207-JM-008
	Toluene	1	
VOC	Methylene Chloride	2	W-911213-JM-015
	Acetone	4	W-911213-JM-015DUP
	Chloroform	1	W-911213-JM-015MS
	Bromoform	1	
	Tetrachloroethene	1	
	1,1,2,2-Tetrachloroethane	1	
	Toluene	1	
BNA	Diethylphthalate	10	W-911205-JM-001 W-911205-JM-001DUP W-911205-JM-002 W-911205-JM-002DUP

TABLE 4 f (CONT'D)

SUMMARY OF ANALYTES
DETECTED IN METHOD BLANKS
OLIN SITE
12/5/91 - 12/13/91 SAMPLING EVENT

Analysis	Parameter	Concentration µg/l	Associated Samples[1]
BNA	Diethylphthalate	30	W-911206-JM-003 W-911206-JM-004 W-911206-JM-006 W-911206-JM-003DL
BNA	Diethylphthalate	7	W-911206-JM-005 W-911207-JM-007 W-911207-JM-008 W-911207-JM-009 W-911207-JM-010 W-911207-JM-011 W-911207-JM-012 W-911208-JM-013 W-911208-JM-014
BNA	Diethylphthalate	13	W-911207-JM-008

TABLE 4g

SUMMARY OF ANALYTES
DETECTED IN METHOD BLANKS
OLIN SITE
2/10/92 SAMPLING EVENT

Analysis	Parameter	Concentration(µg/Kg)	Associated Samples[1]
VOC	Acetone	12	S-920210-MJ-01 S-920210-MJ-03 S-920210-MJ-04
VOC	Methylene Chloride	4	S-920210-MJ-01 S-920210-MJ-02 S-920210-MJ-03 S-920210-MJ-04 S-920210-MJ-05
BNA	Di-n-butylphthalate	120	S-920210-MJ-02 S-920210-MJ-04
BNA	Bis-(2-ethylhexyl)phthalate	150	S-920210-MJ-05

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1 Positive sample results reported at a concentration less then 5x (10x for common lab contaminants: methylene chloride, acetone, toluene, 2-butanone, phthalate esters) the method blank concentration should be qualified as non-detect (U) with the associated value being the quantitation limit.

Note: If the positive sample result was less than the quantitation limit and less than the required amount (5x or 10x) from the blank result, the sample result should be qualified as non-detect (U) with the associated value being the quantitation limit (not the value below the quantitation limit).

TABLE 5a

OUTLYING SURROGATE RECOVERIES
OLIN SITE
6/05/91 - 6/13/91 SAMPLING EVENT

Sample ID	Analysis	Compound	%R	Limits	Qualifier[1]
S-910611-JM-29	PEST/PCB	2,4,5,6-TCMX	0[2]	24-154	J/R
S-910610JM-15	PEST/PCB	2,4,5,6-TCMX	20	24-154	J/UJ

---

1 Sample data should be qualified as:
J - The associated value is an estimated quantity for detected analytes.
UJ - The analyte was checked for, but not detected. The associated value is an estimate.
R - The data are unusable.

2 Surrogate recovery was below laboratory recovery limits.

TABLE 5b

OUTLYING SURROGATE RECOVERIES
OLIN SITE

7/08/91-7/10/92 & 7/30/91 - 8/01/91 SAMPLING EVENTS

Sample ID	Analysis	Compound	%R	Limits	Qualifier[1]
SS-910730-JM-46, 47, 48	VOC	Toluene-d_8	370	81-117	J/UJ
	VOC	p-bromofluorobenzene	37	74-121	J/UJ
SS-910730-JM-49, 50, 51	VOC	Toluene-d_8	134	81-117	J/UJ
SS-910730-JM-46, 47, 48	BNA[2]	2-Fluorophenol	24	25-212	J/UJ
	BNA[2]	Phenol-d_5	21	24-113	J/UJ
	BNA[3]	Nitrobenzene-d_5	22	23-120	NR
SS-910730-JM-49, 50, 51	BNA[2]	2-Fluorophenol	20	25-121	J/UJ
	BNA[2]	Phenol-d_5	19	24-113	J/UJ
	BNA[3]	Terphenyl-d_{14}	0	18-137	R
	BNA[3]	Nitrobenzene-d_5	20	23-120	NR

---

1 Sample data should be qualified as:
J - The associated value is an estimated quantity for detected analytes.
UJ - The analyte was checked for, but not detected. The associated value is an estimate.
R - The data are unusable.
NR - No qualification of the data was deemed necessary.

2 Acid extractable organic compounds should be qualified as estimated.

3 Base/neutral extractable compounds should be qualified as estimated.

TABLE 5c

OUTLYING SURROGATE RECOVERIES
OLIN SITE - SOIL TEST PITS
10/2/91 - 10/8/91 SAMPLING EVENT

Sample ID	Analysis	Compound	%R	Limits	Qualifier[1]
S-08-TP-21	PEST/PCB	2, 4, 5, 6-TCMX	1.5	24 - 154	J/R
S-08-TP-21	BNA[2]	2-Fluorophenol	D[3]	25 - 121	J/UJ
	BNA[2]	Phenol-d_5	D[3]	24 - 113	J/UJ
	BNA[4]	Nitrobenzene-d_5	D[3]	23 - 120	J/UJ
	BNA[4]	2-Fluorobiphenyl	D[3]	30 - 116	J/UJ
	BNA[2]	2,4,6-Tribromophenol	D[3]	19 - 122	J/UJ
	BNA[4]	Terphenyl-d_{14}	D[3]	18 - 137	J/UJ

---

1 Sample data should be qualified as:
J - The associated value is an estimated quantity for detected analytes.
UJ - The analyte was checked for, but not detected. The associated value is an estimate.
R - The data are unusable.

2 Acid extractable organic compounds should be qualified as estimated.

3 D - Surrogate recoveries could not be accurately calculated due to matrix interferences and the sample dilution required.

4 Base/neutral extractable organic compounds should be qualified as estimated.

TABLE 5d

OUTLYING SURROGATE RECOVERIES
OLIN SITE
10/10/91 SAMPLING EVENT

Sample ID	Analysis	Compound	%R	Limits	Qualifier[1]
S-911010-JM-01	BNA	2,4,6-Tribromophenol	18	19-122	NR
S-911010-JM-02	BNA	2,4,6-Tribomophenol	128	19-122	NR

1 Sample data should be qualified as:
NR - No qualification of the data was deemed necessary.

TABLE 5e

OUTLYING SURROGATE RECOVERIES
OLIN SITE
12/5/91 - 12/13/91 SAMPLING EVENT

Sample ID	Analysis	Compound	%R	Limits	Qualifier[1]
W-911206-JM-003	BNA[2]	Nitrobenzene-d_5	0	35 - 114	J/R
W-911206-JM-004	BNA[2]	Nitrobenzene-d_5	5	35 - 114	J/R
W-911206-JM-006	BNA[2]	Nitrobenzene-d_5	0	35 - 114	J/R
W-911206-JM-006	BNA[3]	2,4,6-Tribromophenol	126	10 - 123	NR
W-911207-JM-008	BNA[2]	Nitrobenzene-d_5	0	35 - 114	J/R
W-911207-JM-009	BNA[3]	2-Fluorophenol	16	21 - 100	NR
W-911207-JM-010	BNA[3]	2,4,6-Tribromophenol	134	10 - 123	NR
W-911207-JM-011	BNA[3]	2,4,6-Tribromophenol	126	10 - 123	NR
W-911207-JM-012	BNA[3]	2,4,6-Tribromophenol	143	10 - 123	NR
W-911208-JM-014	BNA[3]	2,4,6-Tribromophenol	130	10 - 123	NR
W-911206-JM-003	Pest./PCB	2,4,5,6-TCMX	324	24 - 154	J/UJ
W-911206-JM-004	Pest./PCB	2,4,5,6-TCMX	389	24 - 154	J/UJ
W-911-207-JM-009	Pest./PCB	2,4,5,6-TCMX	194	24 - 154	J/UJ

1 Sample data should be qualified as:
J - The associated value is an estimated quantity for detected analytes.
UJ - The analyte was checked for, but not detected. The associated value is an estimate.
R - The data are unusable.
NR - No qualification of the data was deemed necessary.

2 Qualifiers pertain to base-neutral analytes only.

3 Qualifiers pertain to acid analytes only.

TABLE 5f

OUTLYING SURROGATE RECOVERIES
OLIN SITE
2/10/92 SAMPLING EVENT

Sample ID	Analysis	Compound	% R	Limits	Qualifier[1]
S-920210-MJ-01	VOC	Toluene-d_8	136	81-117	J/UJ
S-920210-MJ-02	VOC	Toluene-d_8	135	81-117	J/UJ
S-920210-MJ-02	VOC	p-Bromofluorobenzene	55	74-121	J/UJ
S-920210-MJ-04	VOC	Toluene-d_8	138	81-117	J/UJ
S-920210-MJ-04	VOC	p-Bromofluorobenzene	69	74-121	J/UJ
S-920210-MJ-05	VOC	Toluene-d_8	164	81-117	J/UJ
S-920210-MJ-05	VOC	p-Bromofluorobenzene	59	74-121	J/UJ

1 Sample data should be qualified as:
J - The associated value is an estimated quantity for detected analytes.
UJ - The analyte was checked for, but not detected. The associated value is an estimate.

TABLE 6a

OUTLYING PERCENT
RECOVERIES FOR LCS ANALYSIS
OLIN SITE
6/5/91 - 6/13/91 SAMPLING EVENT

Analysis	Parameter	%R	%R Limits	Qualifier[1]	Associated Samples
Metals	Nickel	82.0	85-116	NR	S-910611-JM-26
					S-910611-JM-27
					S-910611-JM-28
					S-910611-JM-29
					S-910611-JM-30
					S-910611-JM-31
					S-910611-JM-32
					S-910611-JM-33
					S-910611-JM-34
					S-910611-JM-35
					S-910611-JM-36
					S-910611-JM-38
					S-910611-JM-40

1 Sample data should be qualified as:
NR - No qualification of the data was deemed necessary.

TABLE 6b

OUTLYING PERCENT
RECOVERIES FOR LCS ANALYSES
OLIN SITE

7/08/91-7/10/92 & 7/30/91 - 8/01/91 SAMPLING EVENTS

Analysis	Parameter	LCS %R	LCS %R Dup.	RPD Limits	RPD[1]	Limit	Qualifier[2]	Associated Samples
Pest/PCB	Heptachlor	93.0	45.0	D-164	70	0-53	J/UJ	SS-910730-JM-46, 47, 48
	Aldrin	85.5	40.5	D-175	71	0-49	J/UJ	SS-910730-JM-49, 50, 51
	Dieldrin	102	49.5	34-147	69	0-51	J/UJ	SS-910801-JM-52, 53. 54
	Endrin	112	57.0	59-166	66	0-59	J/UJ	SS-910708-MB-1, 2, 3, 4
	4,4'-DDT	105	49.5	57-156	72	0-60	J/UJ	SS-910709-MB-5, 6, 7, 8
								SS-910709-MB-9, 10, 11, 12
								SS-910709-MB-13, 14, 15, 16
								SS-910709-MB-17, 18, 19, 20
								SS-910709-MB-21, 22, 23, 24
								SS-910709-MB-25, 26, 27, 28
								SS-910709-MB-29, 30, 31, 32
								SS-910709-MB-33, 34, 35, 36
								SS-910709-MB-37, 38, 39, 40
								SS-910709-MB-41, 42, 43, 44

1 RPD = Relative Percent Difference
2 Sample data should be qualified as:
J - The associated value is an estimated quantity for detected analytes.
UJ - The analyte was checked for, but not detected. The associated value is an estimate.

TABLE 6c

OUTLYING PERCENT
RECOVERIES FOR LCS ANALYSES
OLIN SITE - DRUM TEST PITS
10/2/91 - 10/8/91 SAMPLING EVENT

Analysis	Parameter	LCS %R	LCS %R Dup.	%R Limits	RPD[1]	RPD Limit	Qualifier[2]	Associated Samples
Metals	Iron	77.3	NA[3]	80-120	NA	NA	J/UJ	DS-07-TP-21
General Chemistry	Cyanide	70.4	NA	80-120	NA	NA	NR	DS-05-TP-8 DS-07-TP-21

1 RPD = Relative Percent Difference

2 Sample data should be qualified as:
J - The associated value is an estimated quantity for detected analytes.
UJ - The analyte was checked for, but not detected. The associated value is an estimate.
NR - No qualification of the data was deemed necessary.

3 NA = Not Applicable

TABLE 6d

OUTLYING PERCENT RECOVERIES AND
RPD VALUES FOR MS/MSD ANALYSES
OLIN SITE - SOIL TEST PITS
10/2/91 - 10/8/91 SAMPLING EVENT

Analysis	Parameter	LCS %R	LCS %R Dup.	%R Limits	RPD[1]	RPD Limit	Qualifier[2]	Associated Samples
General Chemistry	Cyanide	70.4	NA	80-120	NA[3]	NA	J/UJ	S-08-TP-21
BNA	4-Nitrophenol	140	129	D-132	8.2	0-81	NR	S-08-TP-21

1 RPD = Relative Percent Difference

2 Sample data should be qualified as:
J - The associated value is an estimated quantity for detected analytes.
UJ - the analyte was checked for, but not detected. The associated value is an estimate.
NR - No qualification of the data was deemed necessary.

3 NA - Not Applicable

TABLE 6e

OUTLYING PERCENT
RECOVERIES FOR LCS ANALYSES
OLIN SITE
10/10/91 SAMPLING EVENT

Analysis	Parameter	LCS %R	LCS %R Dup.	%R Limits	RPD[1]	RPD Limits	Qualifier[2]	Associated Samples
Metals	Iron	77.3	NA[3]	80-120	NA	NA	J/UJ	S-911010-JM-01
								S-911010-JM-02
								S-911010-JM-03
BNA	4-Nitrophenol	140	129	D - 132	8.2	0 - 81	NR	S-911010-JM-01
								S-911010-JM-02
								S-911010-JM-03

1 RPD = Relative Percent Difference

2 Sample data should be qualified as:
J - The associated value is an estimated quantity for detected analytes.
UJ - The analyte was checked for, but not detected. The associated value is an estimate.
NR - No qualification of the data was deemed necessary.

3 NA = Not Applicable

TABLE 6f

OUTLYING PERCENT
RECOVERIES FOR LCS ANALYSIS
OLIN SITE
12/5/91 TO 12/13/91 SAMPLING EVENT

Analysis	Parameter	%R	%R Limits	Qualifier[1]	Associated Samples
General Chemistry	Cyanide	78.4	80-120	J/UJ	W-911205-JM-001
					W-911205-JM-002
					W-911206-JM-003
					W-911206-JM-004
					W-911206-JM-005
					W-911206-JM-006
					W-911207-JM-007
					W-911207-JM-008
					W-911207-JM-009
					W-911207-JM-010
					W-911207-JM-011
					W-911207-JM-012
					W-911208-JM-013

1 Sample data should be qualified as:
J - The associated value is an estimated quantity for detected analytes.
UJ - The analyte was checked for, but not detected. The associated value is an estimate.

TABLE 6g

OUTLYING PERCENT
RECOVERIES FOR LCS ANALYSIS
OLIN SITE
2/10/92 SAMPLING EVENT

Analysis	Parameter	%R	%R Limits	Qualifier[1]	Associated Samples
Metals	Cobalt	111	93.3 - 104	J/NR	S-920210-MJ-01
					S-920210-MJ-02
					S-920210-MJ-03
					S-920210-MJ-04
					S-920210-MJ-05

1 Sample data should be qualified as:
J - The associated value is an estimated quantity for detected analytes.
NR - No qualification of the data was deemed necessary.

TABLE 7a

OUTLYING PERCENT RECOVERIES AND
RPD VALUES FOR MS/MSD ANALYSES
OLIN SITE
6/05/91 - 6/13/91 SAMPLING EVENT

Analysis	Parameter	Spiked Sample	MS %R	MSD %R	%R Limits	RPD[1]	RPD Limits	Qualifier[2]
TOC	TOC	S-910605-JM-02	60.7	99.3	70-130	48.3	0 - 30	NR
Metals	Aluminum	W-910611-JM-27	375[3]	NA[4]	70-130	NA	0 - 30	NR
	Antimony	W-910611-JM-27	68.5	NA	70-130	NA	0 - 30	J/UJ
	Iron	W-910611-JM-27	212	NA	70-130	NA	0 - 30	J/NR
	Magnesium	W-910611-JM-27	230	NA	70-130	NA	0 - 30	J/NR
	Manganese	W-910611-JM-27	178	NA	70-130	NA	0 - 30	J/NR
	Arsenic	W-910611-JM-27	40.0	NA	70-130	NA	0 - 30	J/UJ
PEST/PCB	Heptachlor	S-910611-JM-38	113	NA	34-111	NA	0 - 50	J/NR
Metals	Aluminum	S-910610-JM-14	-89.2[3]	NA	70-130	NA	0 - 30	NR
	Barium	S-910610-JM-14	137	NA	70-130	NA	0 - 30	J/NR
	Beryllium	S-910610-JM-14	157	NA	70-130	NA	0 - 30	J/NR
	Cadmium	S-910610-JM-14	140	NA	70-130	NA	0 - 30	J/NR
	Chromium	S-910610-JM-14	-1405[3]	NA	70-130	NA	0 - 30	NR
	Cobalt	S-910610-JM-14	144	NA	70-130	NA	0 - 30	J/NR
	Copper	S-910610-JM-14	136	NA	70-130	NA	0 - 30	J/NR
	Iron	S-910610-JM-14	-175[5]	NA	70-130	NA	0 - 30	J/R
	Magnesium	S-910610-JM-14	53.3	NA	70-130	NA	0 - 30	J/UJ
	Manganese	S-910610-JM-14	35.0	NA	70-130	NA	0 - 30	J/UJ
	Nickel	S-910610-JM-14	134	NA	70-130	NA	0 - 30	J/NR
	Silver	S-910610-JM-14	156	NA	70-130	NA	0 - 30	J/NR

TABLE 7a (CONT'D)

OUTLYING PERCENT RECOVERIES AND
RPD VALUES FOR MS/MSD ANALYSES
OLIN SITE
6/05/91 - 6/13/91 SAMPLING EVENT

Analysis	Parameter	Spiked Sample	MS %R	MSD %R	%R Limits	RPD[1]	RPD Limits	Qualifier[2]
BNA	4-Nitrophenol	S-910610-JM-21	129	NA	11-114	NA	0 - 50	J/NR
	Pentachlorophenol	S-910610-JM-21	149	NA	17-109	NA	0 - 47	J/NR

1 Relative Percent Difference
2 Sample data should be qualified as:
J - The associated value is an estimated quantity for detected analytes.
UJ - The analyte was checked for, but not detected. The associated value is an estimate.
NR - No qualification of the data was deemed necessary.
R - The data are unusable.
3 Matrix spike recovery was reported to be outside the laboratory specified range. The spike concentration for this parameter was significantly below the sample concentration and could not be distinguished from the sample's analytical signal.
4 NA - Not Applicable
5 Matrix spike recovery was reported to be outside the laboratory specified range, indicating potential sample matrix interference and potential bias of reported value for this parameter.

TABLE 7b

OUTLYING PERCENT RECOVERIES FOR AND
RPD VALUES FOR MS/MSD ANALYSES
OLIN SITE

7/08/91-7/10/92 & 7/30/91 - 8/01/91 SAMPLING EVENTS

Analysis	Parameter	Spiked Sample	MS %R	MSD %R	%R Limits	RPD[1]	RPD Limits	Qualifier[2]
Metals	Mercury	SS-910730-JM-46, 47, 48	51.0	NA[3]	70-130	NA	0-30	J/UJ
General Chemistry	NH_3	SS-910730-JM-46, 47, 48	177	NA	70-130	NA	0-20	J/NR
BNA	Phenol	SS-910801-JM-52, 53, 54 RE	23.0	NA	26-90	NA	0-35	J/UJ
	2-Chlorophenol	SS-910801-JM-52, 53, 54 RE	20.0	NA	25-102	NA	0-50	J/UJ
	1,4-Dichlorobenzene	SS-910801-JM-52, 53, 54 RE	21.5	NA	28-104	NA	0-27	J/UJ
	N-Nitroso-di-n-propylamine	SS-910801-JM-52, 53, 54 RE	22.8	NA	41-126	NA	0-38	J/UJ
	1,2,4-Trichlorobenzene	SS-910801-JM-52, 53, 54 RE	22.8	NA	38-107	NA	0-23	J/UJ
	4-Chloro-3-methylphenol	SS-910801-JM-52, 53, 54 RE	23.7	NA	26-103	NA	0-33	J/UJ
	Acenaphthene	SS-910801-JM-52, 53, 54 RE	23.7	NA	31-137	NA	0-19	J/UJ
	2,4-Dinitrotoluene	SS-910801-JM-52, 53, 54 RE	20.3	NA	28-89	NA	0-47	J/UJ
	Pyrene	SS-910801-JM-52, 53, 54 RE	20.0	NA	35-142	NA	0-36	J/UJ

TABLE 7b (Cont'd)

OUTLYING PERCENT RECOVERIES FOR AND
RPD VALUES FOR MS/MSD ANALYSES
OLIN SITE

7/08/91-7/10/92 & 7/30/91 - 8/01/91 SAMPLING EVENTS

Analysis	Parameter	Spiked Sample	MS %R	MSD %R	%R Limits	RPD[1]	RPD Limits	Qualifier[2]
Metals	Aluminum	SS-910709-MB-25, 26, 27, 28	367	NA[3]	70-130	NA	0-30	J/NR
	Antimony	SS-910709-MB-25, 26, 27, 28	42.1	NA	70-130	NA	0-30	J/UJ
	Lead	SS-910709-MB-25, 26, 27, 28	40.5	NA	70-130	NA	0-30	J/UJ
	Magnesium	SS-910709-MB-25, 26, 27, 28	131	NA	70-130	NA	0-30	J/NR
	Arsenic	SS-910709-MB-25, 26, 27, 28	260	NA	70-130	NA	0-30	J/NR
	Selenium	SS-910709-MB-25, 26, 27, 28	0[4]	NA	70-130	NA	0-30	J/R
	Thallium	SS-910709-MB-25, 26, 27, 28	0[4]	NA	70-130	NA	0-30	J/R

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1 RPD - Relative Percent Difference

2 Sample data should be qualified as:
- J - The associated value is an estimated quantity for detected analytes.
- UJ - The analyte was checked for, but not detected. The associated value is an estimate.
- NR - No qualification of the data was deemed necessary.
- R - The data are unusable.

3 NA - Not Applicable

4 Matrix spike analysis could not be quantified due to severe matrix interferences.

TABLE 7c

OUTLYING PERCENT RECOVERIES AND
RPD VALUES FOR MS/MSD ANALYSES
OLIN SITE
7/30/91 - 7/31/91 SAMPLING EVENT

Analysis	Parameter	Spiked Sample	MS %R	MSD %R	%R Limits	RPD[1]	RPD Limits	Qualifier[2]
General Chemistry	Chloride	MW-38	-168[3]	NA[4]	80-120	NA	NA	NR
	Chloride	MW-42S	112	139	80-120	22	0 - 20	J/NR
	Chloride	MW-51D	80.8	72.8	80-120	10	0 - 20	NR
	Chloride	MW-56D	136	135	80-120	0.6	0 - 20	J/NR
Metals	Chromium	MW-38	267	NA	80-120	NA	0 - 20	J/NR

1 Relative Percent Difference

2 Sample data should be qualified as:
J - The associated value is an estimated quantity for detected analytes.
NR - No qualification of the data was deemed necessary.
UJ - The analyte was checked for, but not detected. The associated value is an estimate.

3 Matrix spike recovery was reported to be outside the laboratory specified acceptance range. The spike concentrations for this parameter was significantly below the sample concentration and could not be distinguished from the sample's analytical signal.

4 NA - Not Applicable

TABLE 7d

OUTLYING PERCENT RECOVERIES AND
RPD VALUES FOR MS/MSD ANALYSES
OLIN SITE - DRUM TEST PITS
10/2/91 - 10/8/91 SAMPLING EVENT

Analysis	Parameter	Spiked Sample	MS %R	MSD %R	%R Limits	RPD[1]	RPD Limits	Qualifier[2]
Metals	Aluminum	DS-05-TP-8	132	NA[4]	70-130	NA	0-30	J/NR
	Silver	DS-05-TP-8	36.0	NA	70-130	NA	0-30	J/UJ
	Arsenic	DS-05-TP-8	135	NA	70-130	NA	0-30	J/NR
General Chemistry	Chloride	DS-07-TP-21	67.4	NA	70-130	NA	0-30	J/UJ
	Sulfate	DS-07-TP-21	210	NA	70-130	NA	0-30	J/NR
Pest/PCB	Lindane	DS-04-TP-8	D[3]	NA	32-127	NA	0-50	NR
	Heptachlor	DS-04-TP-8	D	NA	34-111	NA	0-50	NR
	Aldrin	DS-04-TP-8	D	NA	42-122	NA	0-50	NR
	Dieldrin	DS-04-TP-8	D	NA	36-146	NA	0-50	NR
	Endrin	DS-04-TP-8	D	NA	30-147	NA	0-50	NR
	4-4'-DDT	DS-04-TP-8	D	NA	25-160	NA	0-50	NR

TABLE 7d (CONT'D)

OUTLYING PERCENT RECOVERIES AND
RPD VALUES FOR MS/MSD ANALYSES
OLIN SITE - DRUM TEST PITS
10/2/91 - 10/8/91 SAMPLING EVENT

Analysis	Parameter	Spiked Sample	MS %R	MSD %R	%R Limits	RPD[1]	RPD Limits	Qualifier[2]
BNA	Phenol	DS-04-TP-8	D[3]	NA[4]	26-90	NA	NA	NR
	2-Chlorophenol	DS-04-TP-8	D	NA	25-102	NA	NA	NR
	1,4-Dichlorobenzene	DS-04-TP-8	D	NA	28-104	NA	NA	NR
	N-Nitroso-di-n-propylamine	DS-04-TP-8	D	NA	41-126	NA	NA	NR
	1,2,4-Trichloro-benzene	DS-04-TP-8	D	NA	38-107	NA	NA	NR
	4-Chloro-3-methylphenol	DS-04-TP-8	D	NA	26-103	NA	NA	NR
	Acenaphthene	DS-04-TP-8	D	NA	31-137	NA	NA	NR
	4-Nitrophenol	DS-04-TP-8	D	NA	11-114	NA	NA	NR
	2,4-Dinitrotoluene	DS-04-TP-8	D	NA	28-89	NA	NA	NR
	Pentachlorophenol	DS-04-TP-8	D	NA	17-109	NA	NA	NR
	Pyrene	DS-04-TP-8	D	NA	35-142	NA	NA	NR

1 RPD = Relative Percent Difference

2 Sample data should be qualified as:
J - The associated value is an estimated quantity for detected analytes.
UJ - The analyte was checked for, but not detected. The associated value is an estimate.
NR - No qualification of the data was deemed necessary.

3 D - Due to the large dilution required for sample quantitation, the matrix spike compounds were diluted out; matrix spike recoveries could not be reported.

4 NA - Not Applicable

TABLE 7e

OUTLYING PERCENT RECOVERIES AND
RPD VALUES FOR MS/MSD ANALYSES
OLIN SITE - SOIL TEST PITS
10/2/91 - 10/8/91 SAMPLING EVENT

Analysis	Parameter	Spiked Sample	MS %R	MSD %R	%R Limits	RPD[1]	RPD Limits	Qualifier[2]
BNA	2,4-Dinitrotoluene	S-01-TP-1	106	NA	28 - 89	NA[3]	0 - 37	J/NR
Metals	Aluminum	S-08-TP-21	61.7	NA	70 - 130	NA	0 - 30	J/UJ
	Calcium	S-08-TP-21	0.0[4]	NA	70 - 130	NA	0 - 30	NR
	Arsenic	S-08-TP-21	31.0	NA	70 - 130	NA	0 - 30	J/UJ
	Selenium	S-08-TP-21	0.0[5]	NA	70 - 130	NA	0 - 30	J/R
	Thallium	S-08-TP-21	0.0[5]	NA	70 - 130	NA	0 - 30	J/R
General Chemistry	Chloride	S-08-TP-21	21.0	18.3	70 - 130	13	0 - 30	J/UJ
	NH_3	S-01-TP-1	12.5	NA	70 - 130	NA	0 - 30	J/UJ
	Sulfate	S-06-TP-19	34.0	NA	70 - 130	NA	0 - 30	J/UJ

1 Relative Percent Difference
2 Sample data should be qualified as:
J - The associated value is an estimated quantity for detected analytes.
UJ - The analyte was checked for, but not detected. The associated value is an estimate.
NR - No qualification of the data was deemed necessary.
R - The data are unusable.
3 NA = Not Applicable
4 Matrix spike recovery was reported to be outside the laboratory specified acceptance range. The spike concentration for this parameter was significantly below the sample concentration and could not be distinguished from the sample's analytical signal.
5 Matrix spike analysis could not be quantified due to severe matrix interferences.

TABLE 7f

OUTLYING PERCENT RECOVERIES AND
RPD VALUES FOR MS/MSD ANALYSES
OLIN SITE
10/10/91 SAMPLING EVENT

Analysis	Parameter	Spiked Sample	MS %R	MSD %R	%R Limits	RPD[1]	RPD Limits	Qualifier[2]
General Chemistry	Sulfate	S-911010-JM-03	0.0[3]	NA[4]	70-120	NA	0-30	J/R

1 Relative Percent Difference

2 Sample data should be qualified as:
J - The associated value is an estimated quantity for detected analytes.
R - The data are unusable.

3 Matrix spike analysis could not be quantified due to severe matrix interferences.

4 NA - Not Applicable

TABLE 7g

OUTLYING PERCENT RECOVERIES AND
RPD VALUES FOR MS/MSD ANALYSES
OLIN SITE
12/05/91 THROUGH 12/13/91 SAMPLING EVENT

Analysis	Parameter	Spiked Sample	MS %R	MSD %R	%R Limits	RPD[1]	RPD Limits	Qualifier[2]
General Chemistry	Chloride	SW-MM3-01	108	86.4	80-120	22	0-20	NR
Metals	Aluminum	W-911205-JM-001	33.3	NA[3]	80-120	NA	0-20	J/UJ
	Calcium	W-911207-JM-012	60.0	NA	80-120	NA	0-20	J/UJ
	Sodium	W-911205-JM-001	60.0	NA	80-120	NA	0-20	J/UJ
	Sodium	W-911207-JM-012	0.0[4]	NA	80-120	NA	0-20	NR
	Arsenic	W-911205-JM-002	175	NA	80-120	NA	0-20	J/NR
	Arsenic	W-911207-JM-012	165	NA	80-120	NA	0-20	J/NR
	Lead	W-911205-JM-002	125	NA	80-120	NA	0-20	J/NR
	Lead	W-911207-JM-012	170	NA	80-120	NA	0-20	J/NR
	Selenium	W-911207-JM-012	0.0[5]	NA	80-120	NA	0-20	J/R
	Thallium	W-911207-JM-012	0.0[5]	NA	80-120	NA	0-20	J/R
General Chemistry	Sulfate	W-911205-JM-001	148	NA	80-120	NA	0-20	J/NR

1 Relative Percent Difference

2 Sample data should be qualified as:
J - The associated value is an estimated quantity for detected analytes.
UJ - The analyte was checked for, but not detected. The associated value is an estimate.
NR - No qualification of the data was deemed necessary.
R - The data are unusable.

3 NA - Not Applicable

4 Matrix spike recovery was reported to be outside the laboratory specified acceptance range. The spike concentration for this parameter was significantly below the sample concentration and could not be distinguished from the sample's analytical signal.

5 Matrix spike analysis could not be quantified due to severe matrix interferences.

TABLE 7h

OUTLYING PERCENT RECOVERIES AND
RPD VALUES FOR MS/MSD ANALYSES
OLIN SITE
1/28/92 & 2/8/92 SAMPLING EVENT

Analysis	Parameter	Spiked Sample	MS %R	MSD %R	%R Limits	RPD[1]	RPD Limits	Qualifier[2]
Metals	Chromium	W-44	0[3]	NA	80-120	NA[4]	0 - 20	NR
General Chemistry	Chloride	W-920208-JM-05	104	122	80-120	15.9	0 - 20	NR
	Ammonia	W-920208-JM-05	76	NA	80-120	NA	0 - 20	J

1 RPD - Relative Percent Difference.

2 Sample data should be qualified as:
J - The associated value is an estimated quantity for detected analytes.
NR - No qualification of the data was deemed necessary.

3 Matrix spike concentration was reported to be outside the laboratory specified range. The spike concentration for this parameter was significantly below the sample concentration and could not be distinguished from the sample's analytical signal.

4 NA - Not Applicable.

TABLE 7i

OUTLYING PERCENT RECOVERIES
FOR MS/MSD ANALYSES
OLIN SITE
2/10/92 SAMPLING EVENT

Analysis	Parameter	Spiked Sample	MS %R	%R Limits	Qualifier[1]
General Chemistry	Ammonia	S-920210-MJ-05	147	80-120	J
	Cyanide	S-920210-MJ-02	66.3	80-120	J
Metals	Aluminum	S-920210-MJ-05	153	70-130	J
	Mercury	S-920210-MJ-01	68.0	70-130	UJ
VOC	Toluene	S-920210-MJ-01	151	59-139	NR[2]
BNA	N-Nitroso-di-n-propylamine	S-920210-MJ-01	37.7	41-126	UJ
	4-Nitrophenol	S-920210-MJ-01	0.0[3]	11-114	R
	Pentachlorophenol	S-920210-MJ-01	0.0[3]	17-109	R

1 Sample data should be qualified as:
J - The associated value is an estimated quantity for detected analytes.
UJ - The analyte was checked for, but not detected. The associated value is an estimate.
NR - No qualification of the data was deemed necessary.
R - The data are unusable.

2 Sample result was previously qualifed as estimated (J) based on surrogate recovery criteria.

3 Matrix spike recovery was reported to be outside the laboratory specified range, indicating potential sample matrix interference and potential bias of reported value for this parameter.

TABLE 8a

NON-COMPARABLE LABORATORY
DUPLICATE SAMPLE RESULTS
OLIN SITE
6/05/91 - 6/13/91 SAMPLING EVENT

Sample ID	Analysis	Parameter	Result 1	Result 2	RPD[1]	RPD Limits	Qualifier[2]
S-910606-JM-04	BNA	Bis(2-ethyl-hexyl) phthalate	27,000 ug/kg	6,600 ug/kg	121	0 - 30	J
S-910610-JM-14	Metals	Barium	17.7 mg/kg[3]	12.5 mg/kg[3]	-	0 - 30	NR
		Chromium	1,567 mg/kg[3]	1,046 mg/kg[3]	-	0 - 30	NR
		Iron	11,968 mg/kg[3]	7,860 mg/kg[3]	-	0 - 30	NR
		Potassium	950 mg/kg[3]	566 mg/kg[3]	51	0 - 30	J
S-910610-JM-13	General Chemistry	Sulfate	ND[3] (<1.0 mg/l)	5.11 mg/l[3]	-	0 - 30	NR

1 Relative Percent Difference

2 Sample data should be qualified as:
J - The associated value is an estimated quantity for detected analytes.
NR - No qualification of the data was deemed necessary as the parameter results were estimated values.

3 Sample results previously qualified as estimated (J/UJ).

TABLE 8b

NON-COMPARABLE LABORATORY
DUPLICATE SAMPLE RESULTS
OLIN SITE

7/08/91-7/10/92 & 7/30/91 - 8/01/91 SAMPLING EVENTS

Sample ID	Analysis	Parameter	Result 1	Result 2	RPD[1]	RPD Limits	Qualifer[2]
SS-910730-JM-46, 47, 48	Metals	Mercury	1.95 ug/g	3.60 ug/g	59	0 - 30	J
SS-910730-JM-49, 50, 51	Metals	Mercury	2.08 ug/g	4.24 ug/g	68	0 - 30	J
SS-910709-MB-25, 26, 27, 28	Metals	Calcium	6,080 mg/kg	4,230 mg/kg	36	0 - 30	J
SS-910709-MB-25, 26, 27, 28	Metals	Chromium	71.9 mg/kg	98.2 mg/kg	31	0 - 30	J
SS-910709-MB-25, 26, 27, 28	Metals	Lead	44.8 mg/kg	156 mg/kg	111	0 - 30	J
SS-910709-MB-29, 30, 31, 32	Metals	Mercury	0.276 ug/g	0.410 ug/g	39	0 - 30	J

1 RPD - Relative Percent Difference
2 Sample data should be qualified as:
J - The associated value is an estimated quantity for detected analytes.

TABLE 8c

NON-COMPARABLE LABORATORY
DUPLICATE SAMPLE RESULTS
OLIN SITE
7/30/91 - 7/31/91 SAMPLING EVENT

Sample ID	Analysis	Parameter	Result 1 (mg/l)	Result 2 (mg/l)	RPD[1]	RPD Limits	Qualifier[2]
MW-17D	General Chemistry	NH_3	199	154	25	20	J

1 Relative Percent Difference

2 Sample data should be qualified as:
J - The associated value is an estimated quantity for detected analytes.

TABLE 8d

NON-COMPARABLE LABORATORY
DUPLICATE SAMPLE RESULTS
OLIN SITE - DRUM TEST PITS
10/2/91 - 10/8/91 SAMPLING EVENT

Sample ID	Analysis	Parameter	Result 1	Result 2	RPD[1]	RPD Limits	Qualifier[2]
DS-05-TP-8	Metals	Aluminum	3490 mg/kg	5880 mg/kg	51	0-30	J
		Chromium	26.6 mg/kg	39.9 mg/kg	40	0-30	J
		Manganese	2.63 mg/kg	4.25 mg/kg	47	0-30	J
		Nickel	12.3 mg/kg	24.0 mg/kg	64	0-30	J
		Potassium	4.29 mg/kg	2.74 mg/kg	44	0-30	J
		Sodium	20.3 mg/kg	28.8 mg/kg	35	0-30	J
		Zinc	13.9 mg/kg	22.0 mg/kg	45	0-30	J
DS-05-TP-8	General Chemistry	Chloride	22300 mg/kg	16300 mg/kg	35	0-30	J
		NH_3	32.3 mg/kg	ND (<8.00 mg/kg)	NC	0-30	J/UJ
DS-04-TP-8	BNA	N-Nitroso-diphenylamine	21,000,000 ug/kg	570,000,000 ug/kg	186	0-30	J

1 Relative Percent Difference

2 Sample data should be qualified as:
J - The associated value is an estimated quantity for detected analytes.
UJ - The analyte was checked for, but not detected. The associated value is an estimate.
NC - Non-calculable

TABLE 8e

NON-COMPARABLE LABORATORY
DUPLICATE SAMPLE RESULTS
OLIN SITE
10/10/91 SAMPLING EVENT

Sample ID	Analysis	Parameter	Result 1 (mg/kg)	Result 2 (mg/kg)	RPD[1]	RPD Limits	Qualifier[2]
S-911010-JM-01	General Chemistry	NH_3	32.5	19.3	50	0-30	J

[1] Relative Percent Difference

[2] Sample data should be qualified as:
J - The associated value is an estimated quantity for detected analytes.

TABLE 8f

NON-COMPARABLE LABORATORY
DUPLICATE SAMPLE RESULTS
OLIN SITE
12/05/91 THROUGH 12/13/91 SAMPLING EVENT

Sample ID	Analysis	Parameter	Result 1 (µg/l)	Result 2 (µg/l)	RPD[1]	RPD Limits	Qualifier[2]
W-911206-JM-006	General Chemistry	Cyanide	23.5	29.1	21	0-20	NR

1 Relative Percent Difference
2 Sample data should be qualified as:
NR - No qualification of the data was deemed necessary.

TABLE 8g

NON-COMPARABLE LABORATORY
DUPLICATE SAMPLE RESULTS
OLIN SITE
2/10/92 SAMPLING EVENT

Sample ID	Analysis	Parameter	Result 1 (µg/l)	Result 2 (µg/l)	RPD[1]	RPD Limits	Qualifier[2]
S-920210-MJ-05	Metals	Arsenic	2.16	5.06	80	0 - 30	J
S-920210-MJ-01	BNA	Butylbenzyl-phthalate	4486	1955	79	0 - 30	J
S-920210-MJ-01	BNA	Bis(2-ethylhexyl) phthalate	245,529	102,760	82	0 - 30	J

1 Relative Percent Difference

2 Sample data should be qualified as:
J - The associated value is an estimated quantity for detected analytes.

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MEMORANDUM

TO: Ed Roberts REFERENCE NO. 3683

FROM: Ruth Lewis DATE: August 3, 1992

RE: Data Quality Assessment and Validation for One Water Sample Collected from the Olin Site in Wilmington, Massachusetts

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The following details a data quality assessment and validation for one water sample collected on December 12, 1991, from the Olin Site in Wilmington, Massachusetts. The sample (plus one trip blank sample) was analyzed for the parameters listed in Table 1. All analyses were performed by Coast-to-Coast Analytical Services, Inc. of Westbrooke, Maine. The quality assurance criteria were established in the associated Quality Assurance Project Plan (QAPP)[1].

Holding Time Periods

Holding time periods for the analyses are listed in Table 1. On the basis of sample collection dates on the chain-of-custody forms and analytical reports provided by the laboratory, the majority of extractions and analyses were completed within the specified holding time period. Table 2 lists the holding time violations. The data for these samples should be qualified as estimated (J) for positive parameter results and the detection limit estimated (UJ) for negative parameter results.

Method Blank Samples

Contamination of the samples contributed by laboratory conditions or procedures was monitored by the concurrent preparation and analysis of method blank samples. Method blank samples for the majority of analyses were reported to be free from target analytes, indicating no significant laboratory contamination occurred. VOC and BNA method blank samples yielded positive concentrations for target analytes listed in Table 3. As a result, associated sample data should be qualified as non-detect (U). A summary of these samples appears in Table 3.

Surrogate Compound Percent Recoveries (Surrogate Recoveries)

Individual sample performance for analyses (VOC, BNA, Pesticides/Herbicides) was monitored by surrogate recoveries. The surrogate recoveries for the analyses were within acceptance criteria.

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[1] Application of quality assurance criteria was consistent with "Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses", February 1988 and "Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses", July 1988.

Control Sample Percent Recoveries

Control sample percent recoveries were examined to assess the accuracy of the laboratory procedures. Percent recoveries for the majority of control check samples were within the established control limits, indicating methods achieved adequate accuracy.

Table 4 lists outlying control sample percent recoveries. High percent recoveries were reported for lead control samples. Sample results should be qualified as estimated (UJ). One of two duplicate control samples for 1,2-dibromo-3-chloropropane yielded a high bias. Since the other control sample was within limits and the RPD value for duplicate runs was within limits, control sample results should not be used to qualify data.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Percent Recoveries

To assess the long term accuracy and precision of the analytical method on various matrices, MS/MSD percent recoveries and relative percent difference (RPD) of the recoveries were determined. Matrix spike and/or matrix spike duplicate analyses were performed for metals, cyanide, general chemistry parameters, microextractables, VOC and BNA analyses. The percent recovery for lead was above the upper control limit for the MS sample associated with sample RW-12-12-91-01. As discussed earlier, the laboratory control sample percent recovery for lead was also above the control limit[2]. Since lead was not detected in the project sample, the detection limit for lead should be qualified as estimated (UJ).

No matrix spike compounds were recovered for microextractable analyses. As discussed in the laboratory QC narrative, this was likely due to the fact that the concentration of standard spiked into the project sample was very near the detection limit. For this reason, matrix spike results should not be utilized as sample validation criteria. The control sample for microextractables analyses showed acceptable recovery.

A number of percent recoveries from VOC matrix spike analyses were below the lower control limit for the spiked project sample. As with the microextractables matrix spike analysis, this was likely due to the low spike standard concentration and matrix spike results should not be utilized as sample validation criteria.

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[2]See Control Sample Section.

Laboratory Duplicate Analysis

Laboratory precision for the event was measured using laboratory duplicate samples for metals, general chemistry, pesticides/herbicides, microextractables, VOC and BNA analyses. The majority of results for these analyses were non-detect. Based on this, the analytical methods employed were shown to be consistent. All positive results for duplicate analyses exhibited acceptable precision.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and may be used with the specific qualifications noted herein.

Enc.
cc: Steve Day
Bob Martin

RL/jm

TABLE 1

SUMMARY OF ANALYTICAL METHODS
AND HOLDING TIME PERIODS
OLIN SITE
12/12/91 SAMPLING EVENT

Analysis	Method[1]	Holding Time[2]
Ammonia	EPA 350.1	28 days
Nitrate	EPA 353.2	28 days
Total Kjeldahl Nitrogen	EPA 351.2	28 days
Sulfate	EPA 375.4	28 days
Fluoride	EPA 340.2	28 days
pH	EPA 150.1	24 hours
Total Dissolved Solids (TDS)	EPA 160.1	7 days
Total Cyanide	EPA 335.2	14 days
Total Coliform	SM 909A	30 hours
Fecal Coliform	SM 909C	30 hours
Priority Pollutant (PP) Metals (except mercury)	SW 6010/7000 Series	6 months
Mercury	SW 6010/7000 Series	28 days
Iron	SW 6010/7000 Series	6 months
Sodium	SW 6010/7000 Series	6 months
Barium	SW 6010/7000 Series	6 months
Aluminum	SW 6010/7000 Series	6 months
Manganese	SW 6010/7000 Series	6 months
Volatile Organic Compounds (VOC)	EPA 524.2	14 days
Trimethylpentenes	EPA 524.2	14 days
2-Chloroethyl Vinyl Ether	EPA 524.2	14 days
Ethylene Dibromide	GC/ECD	28 days
1,2,-Dibromo-3-Chloropropane	GC/ECD	28 days
Base/Neutral-Acid Extractable Organics (BNA)	EPA 625	7/40[3]
Safe Drinking Water Act (SDWA) Pesticides	EPA 608	7/40[3]
Safe Drinking Water Act (SDWA) Herbicides	SM 509B	7/40[3]

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[1]Methods were derived from:

EPA - "Methods for Chemical Analysis of Water and Wastes", EPA - 600/4-79-020, Revised March 1983.

EPA - 40 CFR Part 136, Appendix A.

EPA - "Methods for the Determination of Organic Compounds in Finished Drinking Water", EPA 600/4-88/039, December 1988.

SW - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW 846, 3rd edition, November 1986.

SM - "Standard Methods for the Examination of Water and Wastewater", American Public Health Association, 16th Edition.

[2]Holding time periods are based from sample collection date to sample analysis date.

[3]Holding times are as follows:

7 days from sample collection to extraction;

40 days from extraction to completion of analysis

TABLE 2

QUALIFIED DATA DUE TO
HOLDING TIME VIOLATIONS
OLIN SITE
12/12/91 SAMPLING EVENT

Analysis	Sample ID	Prescribed Holding Time	Actual Holding Time	Qualifier[1]
Cyanide	RW-12-12-91-01	14 days	15 days	J/UJ
pH	RW-12-12-91-01	24 hours	48 hours	J

[1]Sample data should be qualified as:
J - The associated value is an estimated quantity for detected analytes.
UJ - The analyte was checked for, but not detected. The associated value is an estimate.

TABLE 3

SUMMARY OF ANALYTES
DETECTED IN METHOD BLANKS
OLIN SITE
12/12/91 SAMPLING EVENT

Analysis	Parameter	Concentration (µg/l)	Associated Samples[1]
VOC	Methylene Chloride	0.6	RW-12-12-91-01 Trip Blank
BNA	Diethylphthalate	88	RW-12-12-91-01

[1]Positive sample results should be qualified as non-detect (U) with the associated value being the quantitation limit.

WAT. FILE COPY

MEMORANDUM

TO: Ed Roberts REFERENCE NO. 3683

FROM: Ruth Lewis DATE: November 16, 1992

RE: Data Quality Assessment and Validation for Water and Sediment Samples Collected during the August/September 1992 Sampling Event at the Olin Site in Wilmington, Massachusetts

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The following details a data quality assessment and validation for water and sediment samples collected during the August/September 1992 sampling event at the Olin Site in Wilmington, Massachusetts. The samples identified in Table 1 were analyzed for parameters listed in Table 2. All analyses were performed by Coast-to-Coast Analytical Services, Inc. of Westbrooke, Maine. The quality assurance criteria were established in the associated Quality Assurance Project Plan (QAPP)[1].

Method Blank Samples

Contamination of the samples contributed by laboratory conditions or procedures was monitored by the concurrent preparation and analysis of method blank samples. Method blank samples yielded positive concentrations for target analytes listed in Table 3. As a result, associated sample data should be qualified as non-detect (U). A summary of these samples appears in Table 3.

Surrogate Compound Percent Recoveries (Surrogate Recoveries)

Individual sample performance for organic analyses (VOC, BNA, Pesticides) was monitored by surrogate recoveries. The surrogate recoveries for the majority of analyses were within acceptance criteria. Table 4 lists the outlying surrogate results. Associated sample data should be qualified as noted in the table. The remaining surrogate recoveries for the analyses were within the control limits.

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[1] Application of quality assurance criteria was consistent with "National Functional Guidelines for Organic Data Review", December 1990 (Revised June 1991) and "Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses", July 1988.

Holding Time and Preservation Requirements

Holding time periods for the analyses are listed in Table 2. On the basis of sample collection dates on the chain-of-custody forms and analytical reports provided by the laboratory, the majority of extractions and analyses were completed within the specified holding time period. Table 5A lists the holding time violations. The data for these samples should be qualified as estimated (J) for positive parameter results and the quantitation limit estimated (UJ) for negative parameter results.

The pH for the samples listed in Table 5B was reported to be above the maximum pH for VOC analysis when it was measured at the laboratory. All samples listed in the table were analyzed between 7 and 14 days from sample collection. The associated sample data for purgeable aromatic hydrocarbons should be qualified as estimated (J) for positive parameter results and the quantitation limit estimated (UJ) for negative parameter results.

Laboratory Duplicate Analysis

Laboratory precision for the event was measured using laboratory duplicate samples for organic and inorganic analyses. Based on relative percent difference (RPD) data, the majority of positive results for these analyses exhibited acceptable precision. Table 6 lists the outlying laboratory duplicate results. Associated sample data should be qualified as noted in the table.

Calibration Range Exceedance

Results from several investigative samples yielded positive concentrations of target analytes that were reported to exceed the instrument calibration range. Table 7 lists the associated sample results. The data should be qualified as estimated (J) for the positive parameter results.

Laboratory Control Sample (LCS) Percent Recoveries

LCS percent recoveries were examined to assess the accuracy of the laboratory procedures. Percent recoveries for the majority of control samples were within the established control limits, indicating methods achieved adequate accuracy. Table 8 lists outlying LCS percent recoveries. Associated sample data should be qualified as noted in the table. The remaining LCS recoveries for the analyses were within acceptance criteria.

Matrix Spike Sample Results

To assess the long term accuracy and precision of the analytical method on various matrices, matrix spike percent recoveries and RPD of the recoveries were determined. Matrix spike or matrix spike/matrix spike duplicate analyses were performed for organic and inorganic analyses. Table 9 lists the outlying matrix spike sample results. Associated sample data should be qualified as noted in the table. The remaining percent recovery and RPD data were within acceptance criteria, indicating an adequate level of accuracy and precision was achieved.

Field QA/QC

The field QA/QC for this sampling event included eight field duplicate sample sets. Rinsate blank samples were not collected since dedicated sampling equipment was used during the sampling event.

Overall precision for the sampling event was monitored using field duplicate sample sets: W-920811-JM-084/085, W-920805-JM-025/06, W-920805-JM-036/037, W-920805-JM-030/031, W-920806-JM-055/056, W-920812-JM-100/101, W-920901-JM-127/128, SED-920901-MJ-016/017. The overall level of precision was generally found to be acceptable for water and sediment matrices. RPD values were calculated to be greater than 50 for unqualified positive parameter results from several water duplicate sample sets. The associated sample data should be qualified as estimated (J) for positive parameter results and the quantitation limit estimated (UJ) for negative parameter results.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and may be used with the specific qualifications noted.

Enc.
cc: Steve Day
Bob Martin

RL/jm

TABLE 1
SUMMARY OF SAMPLE IDENTIFICATION NUMBERS
OLIN-WILMINGTON SITE
AUGUST/SEPTEMBER 1992 SAMPLING EVENT*

32017
W-920803-JM-001
W-920803-JM-002
W-920803-JM-003
W-920803-JM-004
W-920803-JM-005
W-920803-JM-006
W-920803-JM-007
W-920803-JM-008
W-920804-JM-009
W-920804-JM-010
W-920804-JM-011
W-920804-JM-012
W-920804-JM-013
W-920804-JM-014
W-920804-JM-015
W-920804-JM-016
W-920804-JM-017
W-920804-JM-018
W-920804-JM-019
W-920804-JM-020
W-920804-JM-021

32021
W-920805-JM-025
W-920805-JM-026
W-920805-JM-036
W-920805-JM-037

32026
W-920806-JM-056

32028
W-920805-JM-025
W-920805-JM-030
W-920805-JM-042
W-920805-JM-051
W-920805-JM-022
W-920805-JM-023
W-920805-JM-024
W-920805-JM-026
W-920805-JM-027
W-920805-JM-028
W-920805-JM-029
W-920805-JM-031
W-920805-JM-036
W-920805-JM-037
W-920805-JM-038
W-920805-JM-041
W-920806-JM-043
W-920806-JM-044
W-920806-JM-045
W-920806-JM-047
W-920806-JM-048
W-920806-JM-049
W-920806-JM-050
W-920806-JM-054
W-920806-JM-055
W-920806-JM-056
W-920806-JM-057
W-920806-JM-058
W-920805-JM-030RB

33007
W-920810-JM-062
W-920810-JM-069

33011
W-920811-JM-079
W-920811-JM-082
W-920811-JM-083

33012
W-920811-JM-084
W-920810-JM-059
W-920810-JM-060
W-920810-JM-061
W-920810-JM-062
W-920810-JM-063
W-920810-JM-064
W-920810-JM-065
W-920810-JM-066
W-920810-JM-067
W-920810-JM-068
W-920810-JM-069
W-920810-JM-070
W-920810-JM-071
W-920810-JM-072
W-920811-JM-073
W-920811-JM-074
W-920811-JM-075
W-920811-JM-076
W-920811-JM-077
W-920811-JM-078
W-920811-JM-079
W-920811-JM-080
W-920811-JM-081
W-920811-JM-082
W-920811-JM-083
W-920811-JM-085
W-920811-JM-088
W-920810-JM-046
W-920811-JM-106

* For reference, samples are listed according to laboratory work order numbers.

TABLE 1
SUMMARY OF SAMPLE IDENTIFICATION NUMBERS
OLIN-WILMINGTON SITE
AUGUST/SEPTEMBER 1992 SAMPLING EVENT*

33027
W-920812-JM-108

33035
W-920812-JM-091
W-920812-JM-092
W-920812-JM-093
W-920812-JM-094
W-920812-JM-095
W-920812-JM-096
W-920812-JM-097
W-920812-JM-098
W-920812-JM-099
W-920812-JM-100
W-920812-JM-101
W-920812-JM-102
W-920812-JM-103
W-920812-JM-104
W-920812-JM-107
W-920812-JM-108
W-920812-JM-109
W-920812-JM-110
W-920813-JM-111
W-920813-JM-112
W-920813-JM-113
W-920813-JM-114
RB-920812-JM-100

33037
W-920812-JM-105P
W-920812-JM-105W

36016,17
W-920901-JM-127
W-920901-JM-128
SED-920901-MJ-016
SED-920901-MJ-017

36019
SED-920831-MJ-001
SED-920831-MJ-002
SED-920831-MJ-003
SED-920831-MJ-004
SED-920831-MJ-005
SED-920831-MJ-006
SED-920901-MJ-007
SED-920901-MJ-008
SED-920901-MJ-009
SED-920901-MJ-010
SED-920901-MJ-011
SED-920901-MJ-012
SED-920901-MJ-013
SED-920901-MJ-014
SED-920901-MJ-015
SED-920901-MJ-016
SED-920901-MJ-017

36039
SED-920902-MJ-020
SED-920902-MJ-021
SED-920902-MJ-022
SED-920902-MJ-023
SED-920902-MJ-024
SED-920902-MJ-025

36018
W-920901-JM-127
W-920831-JM-115
W-920831-JM-116
W-920831-JM-117
W-920831-JM-118
W-920831-JM-119
W-920831-JM-120
W-920901-JM-121
W-920901-JM-122
W-920901-JM-123
W-920901-JM-124
W-920901-JM-125
W-920901-JM-126
W-920901-JM-128
W-920901-JM-131

36038
W-920902-JM-132
W-920902-JM-133
W-920902-JM-134
W-920902-JM-135
W-920902-JM-136

TABLE 2

SUMMARY OF ANALYTICAL PARAMETERS
OLIN-WILMINGTON SITE
AUGUST/SEPTEMBER 1992 SAMPLING EVENT

Analysis - Method*	Holding Time**
Target Compound List Volatile Organic Compounds (TCL VOC) plus Trimethylpentenes - SW 8240	14 days
Target Compound List Base-Neutral/Acid Extractable Organic Compounds (TCL BNA) - SW 8270	7-14/40 days***
Target Compound List Pesticides - SW 8080	7-14/40 days***
Target Analyte List Metals (TAL Metals) - SW 6010/7000 series and EPA 200 series	6 months (28 days-Mercury)
Hexavalent Chromium - SW 3060/7195/6010	24 hours
Chloride - EPA 325.2/SW 9251 modified	28 days
Ammonia - EPA 350.1	28 days
Sulfate - EPA 375.4/SW 9038 modified	28 days
Total Residue - CLP CIP, 103-105c	7 days

NOTES:

* Methods were derived from:
SW - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, 3rd edition, November 1986.
EPA - "Methods for Chemical Analysis of Water and Wastes", EPA 600/4-79-020, revised March 1983.
CLP - Contract Laboratory Program Caucus Inorganic Protocols, Statement of Work (July 1988).

** Holding time periods are based from sample collection date to sample analysis date.

*** Seven (water)-Fourteen (soil) days from sample collection to extraction; 40 days from extraction to completion of analysis.

TABLE 3

SUMMARY OF ANALYTES DETECTED IN METHOD BLANKS OLIN-WILMINGTON SITE AUGUST/SEPTEMBER 1992 SAMPLING EVENT

Work Order No.	Analysis	Parameter	Concentration (ppb)	Associated Samples*
WA32017	VOC	Methylene Chloride	6	W-920803-JM-001
		pql = 10	5	W-920803-JM-002
			5	W-920803-JM-003
			5	W-920803-JM-004
			5	W-920803-JM-005
			5	W-920803-JM-006
			6	W-920803-JM-007
			5	W-920803-JM-008
			7	W-920804-JM-009
			3	W-920804-JM-010
			8	W-920804-JM-011
			5	W-920804-JM-012
			5	W-920804-JM-013
			5	W-920804-JM-014
			6	W-920804-JM-015
			8	W-920804-JM-016
			6	W-920804-JM-017
			7	W-920804-JM-018
			4	W-920804-JM-019
			8	W-920804-JM-020
			4	W-920804-JM-021
WA32017	VOC	Acetone	14	W-920803-JM-001
		pql = 15	22	W-920803-JM-006
			22	W-920803-JM-007
			12	W-920803-JM-008
			29	W-920804-JM-009
			19	W-920804-JM-010
			47	W-920804-JM-012
			30	W-920804-JM-013
			27	W-920804-JM-014
			37	W-920804-JM-016
			36	W-920804-JM-018
			17	W-920804-JM-021

TABLE 3

SUMMARY OF ANALYTES
DETECTED IN METHOD BLANKS
OLIN-WILMINGTON SITE
AUGUST/SEPTEMBER 1992 SAMPLING EVENT

Work Order No.	Analysis	Parameter	Concentration (ppb)	Associated Samples*
WA32017	VOC	Chlorobenzene	2	W-920803-JM-003
		pql = 5	1	W-920803-JM-006
			2	W-920804-JM-010
			1	W-920804-JM-012
			1	W-920803-JM-008
WA32017	BNA	bis(2-ethylhexyl)phthalate	4	W-920803-JM-007
		pql = 10	4	W-920803-JM-008
			10	W-920804-JM-009
			2	W-920804-JM-010
			3	W-920804-JM-013
			9	W-920804-JM-014
			3	W-920804-JM-015
			1	W-920804-JM-016
			3	W-920804-JM-017
			5	W-920804-JM-018
			4	W-920804-JM-019
			15	W-920804-JM-020
			6	W-920804-JM-021
WA32028	VOC	Methylene Chloride	7	W-920805-JM-025
		pql = 10	4	W-920805-JM-030
			8	W-920805-JM-042
			5	W-920805-JM-051
			4	W-920805-JM-022
			4	W-920805-JM-023
			5	W-920805-JM-024
			6	W-920805-JM-026
			8	W-920805-JM-027
			3	W-920805-JM-028
			4	W-920805-JM-029
			5	W-920805-JM-031

TABLE 3

SUMMARY OF ANALYTES
DETECTED IN METHOD BLANKS
OLIN-WILMINGTON SITE
AUGUST/SEPTEMBER 1992 SAMPLING EVENT

Work Order No.	Analysis	Parameter	Concentration (ppb)	Associated Samples*
WA32028	VOC	Methylene Chloride	7	W-920805-JM-036
		pql = 10	7	W-920805-JM-037
			7	W-920805-JM-038
			4	W-920805-JM-041
			7	W-920806-JM-043
			6	W-920806-JM-044
			6	W-920806-JM-045
			8	W-920806-JM-047
			5	W-920806-JM-048
			5	W-920806-JM-049
			5	W-920806-JM-050
			7	W-920806-JM-054
			6	W-920806-JM-055
			6	W-920806-JM-056
			6	W-920806-JM-057
			5	W-920806-JM-058
			5	W-920805-JM-030RB
WA32028	VOC	Acetone	44	W-920805-JM-051
		pql=15	25	W-920805-JM-023
			44	W-920805-JM-024
			46	W-920805-JM-027
			20	W-920805-JM-028
			10	W-920805-JM-029
			10	W-920805-JM-031
			11	W-920805-JM-036
			12	W-920805-JM-037
			9	W-920805-JM-038
			16	W-920805-JM-041
			66	W-920806-JM-043
			49	W-920806-JM-044
			11	W-920806-JM-045
			35	W-920806-JM-047
			20	W-920806-JM-048
			13	W-920806-JM-050

TABLE 3

SUMMARY OF ANALYTES
DETECTED IN METHOD BLANKS
OLIN-WILMINGTON SITE
AUGUST/SEPTEMBER 1992 SAMPLING EVENT

Work Order No.	Analysis	Parameter	Concentration (ppb)	Associated Samples*
WA32028	VOC	Chlorobenzene	5	W-920805-JM-025
		pql = 5	1	W-920805-JM-028
			5	W-920806-JM-043
			2	W-920806-JM-044
			1	W-920806-JM-048
			1	W-920806-JM-049
			1	W-920806-JM-054
WA32028	VOC	Xylenes	2	W-920806-JM-055
		pql = 5	3	W-920806-JM-056
WA32028	BNA	bis(2-Ethylhexyl)phthalate	3	W-920805-JM-025
		pql = 10	1	W-920805-JM-042
			4	W-920805-JM-022
			3	W-920805-JM-024
			26	W-920805-JM-026
WA33012	VOC	Methylene Chloride	7	W-920810-JM-046
		pql=10	4	W-920811-JM-106
			6	W-920811-JM-084
			6	W-920811-JM-084RB
			6	W-920810-JM-059
			5	W-920810-JM-060
			8	W-920810-JM-061
			3	W-920810-JM-063
			3	W-920810-JM-064
			3	W-920810-JM-065
			3	W-920810-JM-066
			3	W-920810-JM-067
			4	W-920810-JM-068

TABLE 3

SUMMARY OF ANALYTES
DETECTED IN METHOD BLANKS
OLIN-WILMINGTON SITE
AUGUST/SEPTEMBER 1992 SAMPLING EVENT

Work Order No.	Analysis	Parameter	Concentration (ppb)	Associated Samples*
WA33012	VOC	Methylene Chloride	4	W-920810-JM-069
		pql=10	3	W-920810-JM-070
			3	W-920810-JM-071
			3	W-920810-JM-072
			4	W-920811-JM-073
			3	W-920811-JM-074
			3	W-920811-JM-076
			2	W-920811-JM-077
			3	W-920811-JM-078
			4	W-920811-JM-079
			3	W-920811-JM-080
			3	W-920811-JM-081
			4	W-920811-JM-082
			5	W-920811-JM-083
			3	W-920811-JM-085
			3	W-920811-JM-088
WA33012	VOC	Acetone	5	W-920810-JM-046
		pql=15	8	W-920811-JM-106
			4	W-920810-JM-063
			12	W-920810-JM-064
			8	W-920810-JM-065
			6	W-920810-JM-066
			15	W-920810-JM-067
			7	W-920810-JM-068
			9	W-920810-JM-070
			10	W-920811-JM-073
			9	W-920811-JM-074
			40	W-920811-JM-076
			14	W-920811-JM-079
			12	W-920811-JM-080
			26	W-920811-JM-081
			26	W-920811-JM-082

TABLE 3

SUMMARY OF ANALYTES
DETECTED IN METHOD BLANKS
OLIN-WILMINGTON SITE
AUGUST/SEPTEMBER 1992 SAMPLING EVENT

Work Order No.	Analysis	Parameter	Concentration (ppb)	Associated Samples*
WA33012	VOC	Chlorobenzene	2	W-920811-JM-084
		pql=5	2	W-920810-JM-059
			5	W-920810-JM-060
			6	W-920810-JM-061
			5	W-920810-JM-062
			2	W-920811-JM-076
			2	W-920811-JM-078
WA33012	VOC	Xylenes	3	W-920811-JM-084
		pql = 5	1	W-920810-JM-059
WA33012	BNA	bis(2-Ethylhexyl)phthalate	2	W-920810-JM-066
		pql = 10	3	W-920810-JM-067
			2	W-920810-JM-071
			1	W-920810-JM-072
			2	W-920811-JM-074
			2	W-920811-JM-078
WA33012	BNA	Phenol	2	W-920811-JM-085
		pql = 10		
WA33035	BNA	bis(2-Ethylhexyl)phthalate	3	W-920812-JM-092
		pql = 10	10	W-920812-JM-095
			7	W-920812-JM-099
			70	W-920812-JM-102
			370	W-920812-JM-103
			5	W-920812-JM-104
			15	W-920812-JM-107
			2	W-920812-JM-108
			26	W-920812-JM-109
			32	W-920812-JM-110
			7	W-920813-JM-111
			6	W-920813-JM-112
			10	W-920813-JM-113
			27	W-920813-JM-114

TABLE 3

SUMMARY OF ANALYTES
DETECTED IN METHOD BLANKS
OLIN-WILMINGTON SITE
AUGUST/SEPTEMBER 1992 SAMPLING EVENT

Work Order No.	Analysis	Parameter	Concentration (ppb)	Associated Samples*
WA33035	BNA	n-Nitrosodiphenylamine pql = 10	160	W-920812-JM-103
WA33035	VOC	Methylene Chloride pql = 10	6	W-920812-JM-092
			5	W-920812-JM-091
			5	W-920812-JM-093
			2	W-920812-JM-094
			5	W-920812-JM-095
			5	W-920812-JM-096
			3	W-920812-JM-097
			5	W-920812-JM-098
			6	W-920812-JM-099
			5	W-920812-JM-100
			2	W-920812-JM-101
			6	W-920812-JM-102
			2	W-920812-JM-103
			3	W-920812-JM-104
			3	W-920812-JM-108
			9	W-920812-JM-110
			2	W-920813-JM-111
			2	W-920813-JM-112
			4	W-920813-JM-114
WA33035	VOC	Chlorobenzene pql = 5	2	W-920812-JM-094
			3	W-920812-JM-103
			10	W-920812-JM-104
WA33037	VOC	Methylene Chloride pql = 1000	960	W-920812-JM-105P
WA33037	VOC	Acetone pql = 1500	4300	W-920812-JM-105P
WA33037	VOC	Xylenes pql = 600	3500	W-920812-JM-105P

TABLE 3

SUMMARY OF ANALYTES
DETECTED IN METHOD BLANKS
OLIN-WILMINGTON SITE
AUGUST/SEPTEMBER 1992 SAMPLING EVENT

Work Order No.	Analysis	Parameter	Concentration (ppb)	Associated Samples*
WA33037	VOC	Methylene Chloride pql = 50	15	W-920812-JM-105W
WA36019	VOC	Methylene Chloride pql = 10	7 6 22	SED-920901-MJ-016 SED-920831-MJ-003 SED-920831-MJ-004
WA36019	VOC	Methylene Chloride pql = 20	14	SED-920901-MJ-011
WA36019	BNA	bis(2-Ethylhexyl)phthalate pql = 500	2700	SED-920901-MJ-008
WA36019	BNA	bis(2-Ethylhexyl)phthalate pql = 400	1300 37000	SED-920831-MJ-006 SED-920901-MJ-013
WA36039	VOC	Methylene Chloride pql = 10	7	SED-920902-MJ-020
WA36039	VOC	Xylenes pql = 7	20	SED-920902-MJ-020
WA36039	VOC	Methylene Chloride pql = 10	9 8 7	SED-920902-MJ-021 SED-920902-MJ-022 SED-920902-MJ-023

TABLE 3

SUMMARY OF ANALYTES
DETECTED IN METHOD BLANKS
OLIN-WILMINGTON SITE
AUGUST/SEPTEMBER 1992 SAMPLING EVENT

Work Order No.	Analysis	Parameter	Concentration (ppb)	Associated Samples*
WA36039	VOC	Methylene Chloride	16	SED-920902-MJ-024
		pql = 20	6	SED-920902-MJ-025
WA36018	VOC	Methylene Chloride	8	W-920901-JM-127
		pql = 10	3	W-920831-JM-115
			2	W-920831-JM-116
			3	W-920831-JM-117
			3	W-920831-JM-118
			7	W-920831-JM-119
			3	W-920831-JM-120
			3	W-920901-JM-121
			4	W-920901-JM-122
			5	W-920901-JM-123
			4	W-920901-JM-124
			8	W-920901-JM-125
			8	W-920901-JM-126
			8	W-920901-JM-128
			7	W-920901-JM-131
WA36018	BNA	bis(2-Ethylhexyl)phthalate	16	W-920831-JM-115
		pql = 10	16	W-920831-JM-116
			3	W-920831-JM-117
			3	W-920831-JM-118
			8	W-920831-JM-119
			3	W-920831-JM-120
			6	W-920901-JM-121
			5	W-920901-JM-123
			4	W-920901-JM-124
			3	W-920901-JM-125
			2	W-920901-JM-126
WA36038	VOC	Xylenes	2	W-920902-JM-132
		pql = 5	3	W-920902-JM-134

TABLE 3

SUMMARY OF ANALYTES
DETECTED IN METHOD BLANKS
OLIN-WILMINGTON SITE
AUGUST/SEPTEMBER 1992 SAMPLING EVENT

Work Order No.	Analysis	Parameter	Concentration (ppb)	Associated Samples*
WA36038	VOC	Methylene Chloride pql = 10	6	W-920902-JM-133
			6	W-920902-JM-134
			7	W-920902-JM-135
			6	W-920902-JM-136
WA36038	VOC	Toluene pql = 5	3	W-920902-JM-135
WA36038	BNA	bis(2-Ethylhexyl)phthalate pql = 10	2	W-920902-JM-135

* Sample data should be qualified as non-detect (U) with the associated value being the quantitation limit.

TABLE 4

OUTLYING SURROGATE RECOVERIES
BNA, PEST AND VOC ANALYSES
OLIN-WILMINGTON SITE
AUGUST/SEPTEMBER 1992 SAMPLING EVENT

Work Order No.	Analysis	Sample ID	Surrogate Compound	%R	Limits	Qualifier*
WA32017	BNA	W-920804-JM-011	2-Fluorophenol	0	21-110	J/R (B &A)
			Phenol-d5	2	10-110	
			Nitrobenzene-d5	1	35-114	
			2-Fluorobiphenyl	3	43-116	
			2,4,6-Tribromophenol	9	10-123	
			Terphenyl-d14	12	33-141	
WA32028	PEST	W-920806-JM-055	TCMX**	***	24-154	NR
WA32028	BNA	W-920806-JM-044	Phenol-d5	9	10-110	J/R (A)
			2,4,6-Tribromophenol	193	10-123	
WA32028	BNA	W-920806-JM-045	2,4,6-Tribromophenol	0	10-123	J/R (A)
WA32028	BNA	W-920806-JM-054	2-Fluorophenol	0	21-110	J/R (A)
			Phenol-d5	0	10-110	
WA33012	PEST	W-920810-JM-069	TCMX	199	24-154	NR

TABLE 4

OUTLYING SURROGATE RECOVERIES
BNA, PEST AND VOC ANALYSES
OLIN-WILMINGTON SITE
AUGUST/SEPTEMBER 1992 SAMPLING EVENT

Work Order No.	Analysis	Sample ID	Surrogate Compound	%R	Limits	Qualifier*
WA33012	BNA	W-920810-JM-061	2-Fluorophenol	***	21-110	J/R (B &A)
			Phenol-d5	***	10-110	
			Nitrobenzene-d5	***	35-114	
			2-Fluorobiphenyl	***	43-116	
			2,4,6-Tribromophenol	***	10-123	
			Terphenyl-d14	***	33-141	
WA33012	BNA	W-920810-JM-068	2-Fluorophenol	9	21-110	J/R (B &A)
			Phenol-d5	9	10-110	
			Nitrobenzene-d5	7	35-114	
			2-Fluorobiphenyl	13	43-116	
			2,4,6-Tribromophenol	9	10-123	
			Terphenyl-d14	17	33-141	
WA33012	BNA	W-920811-JM-079	Nitrobenzene-d5	28	35-114	J/UJ(B)
			2-Fluorobiphenyl	33	43-116	
WA33035	PEST	W-920812-JM-109	TCMX	0	24-154	NR
WA33037	VOC	W-920812-JM-105P	Toluene-d8	66	88-110	J/UJ
			p-Bromofluorobenzene	67	86-115	
WA33037	BNA	W-920812-JM-105P	2,4,6-Tribromophenol	0	10-123	J/R(A)

TABLE 4

OUTLYING SURROGATE RECOVERIES
BNA, PEST AND VOC ANALYSES
OLIN-WILMINGTON SITE
AUGUST/SEPTEMBER 1992 SAMPLING EVENT

Work Order No.	Analysis	Sample ID	Surrogate Compound	%R	Limits	Qualifier*
WA33037	BNA	W-920812-JM-105W	2,4,6-Tribromophenol	9	10-123	J/R(A) &
			Nitrobenzene-d5	22	35-114	J/UJ (B)
			2-Fluorobiphenyl	19	43-116	
WA36019	PEST	SED-920831-MJ-005	TCMX	0	24-154	NR
WA36019	PEST	SED-920831-MJ-006	TCMX	0	24-154	NR
WA36019	PEST	SED-920901-MJ-011	TCMX	0	24-154	NR
WA36019	PEST	SED-920901-MJ-012	TCMX	0	24-154	NR
WA36019	VOC	SED-920831-MJ-006	Toluene-d8	122	81-117	J/UJ
			p-Bromofluorobenzene	67	74-121	
WA36019	VOC	SED-920901-MJ-008	Toluene-d8	119	81-117	J/NR
WA36019	VOC	SED-920901-MJ-009	Toluene-d8	120	81-117	J/NR
WA36019	VOC	SED-920901-MJ-011	Toluene-d8	166	81-117	J/UJ
			p-Bromofluorobenzene	44	74-121	
WA36019	VOC	SED-920901-MJ-012	Toluene-d8	190	81-117	J/UJ
			p-Bromofluorobenzene	32	74-121	

TABLE 4

OUTLYING SURROGATE RECOVERIES
BNA, PEST AND VOC ANALYSES
OLIN-WILMINGTON SITE
AUGUST/SEPTEMBER 1992 SAMPLING EVENT

Work Order No.	Analysis	Sample ID	Surrogate Compound	%R	Limits	Qualifier*
WA36019	VOC	SED-920901-MJ-014	Toluene-d8	122	81-117	J/UJ
			p-Bromofluorobenzene	73	74-121	
WA36019	BNA	SED-920901-MJ-011	2-Fluorobiphenyl	14	30-115	J/UJ(B)
			Terphenyl-d14	17	18-137	
WA36039	PEST	SED-920902-MJ-020	TCMX	0	24-154	NR
WA36039	PEST	SED-920902-MJ-021	TCMX	0	24-154	NR
WA36039	PEST	SED-920902-MJ-024	TCMX	0	24-154	NR
WA36039	PEST	SED-920902-MJ-025	TCMX	0	24-154	NR
WA36039	VOC	SED-920902-MJ-020	p-Bromofluorobenzene	68	74-121	J/UJ
WA36039	VOC	SED-920902-MJ-021	Toluene-d8	122	81-117	J/UJ
				73	74-121	
WA36039	VOC	SED-920902-MJ-024	Toluene-d8	128	81-117	J/UJ
			p-Bromofluorobenzene	65	74-121	
WA36039	BNA	SED-920902-MJ-020	2-Fluorobiphenyl	23	30-116	J/UJ(A &B)
			Terphenyl-d14	21	23-120	
			2-Fluorophenol	24	25-121	
			2,4,6-Tribromophenol	13	19-122	

TABLE 4

OUTLYING SURROGATE RECOVERIES
BNA, PEST AND VOC ANALYSES
OLIN-WILMINGTON SITE
AUGUST/SEPTEMBER 1992 SAMPLING EVENT

Work Order No.	Analysis	Sample ID	Surrogate Compound	%R	Limits	Qualifier*
WA36018	PEST	W-920901-JM-124	TCMX	9	24-154	NR
WA36038	BNA	W-920902-JM-136	2-Fluorophenol	115	21-110	J/NR(A)
			Phenol-d5	113	10-110	
			2,4,6-Tribromophenol	178	10-123	

* Sample data should be qualified as:

J - The associated value is an estimated quantity for detected analytes.

UJ - The analyte was checked for, but not detected. The associated value is an estimate.

R -The data are unuasble.

NR - No qualification of the data was deemed necessary.

Note: For BNA analysis, "B" refers to base-neutral extractable compounds and "A" refers to acid extractable compounds.

** 2,4,5,6-Tetrachloro-meta-xylene

*** Surrogate compound recovery was reported to be out of criteria due to matrix interferences.

TABLE 5A

QUALIFIED DATA DUE TO VIOLATION OF
HOLDING TIME REQUIREMENTS
OLIN-WILMINGTON SITE
AUGUST/SEPTEMBER 1992 SAMPLING EVENT

Analysis	Work Order No.	Prescribed Holding Time	Actual Holding Time	Qualifier*	Associated Samples
BNA	WA32017	7 days-ext.**	44 days-ext.**	J/UJ	W-920803-JM-007 W-920803-JM-008
BNA	WA32017	7 days-ext.**	43 days-ext.**	J/UJ	W-920804-JM-009 W-920804-JM-010 W-920804-JM-013 W-920804-JM-020 W-920804-JM-021
Mercury	WA32028	28 days	29 days	J/UJ	W-920805-JM-029 W-920805-JM-031 W-920805-JM-036 W-920805-JM-037 W-920805-JM-038 W-920805-JM-041
Sulfate	WA32028	28 days	29 days	J/UJ	W-920805-JM-029 W-920805-JM-031 W-920805-JM-036 W-920805-JM-037 W-920805-JM-038 W-920805-JM-041 W-920806-JM-043 W-920806-JM-044 W-920806-JM-045 W-920806-JM-047 W-920806-JM-048 W-920806-JM-049 W-920806-JM-050 W-920806-JM-054 W-920806-JM-055 W-920806-JM-056 W-920806-JM-057 W-920806-JM-058

TABLE 5A

QUALIFIED DATA DUE TO VIOLATION OF
HOLDING TIME REQUIREMENTS
OLIN-WILMINGTON SITE
AUGUST/SEPTEMBER 1992 SAMPLING EVENT

Analysis	Work Order No.	Prescribed Holding Time	Actual Holding Time	Qualifier*	Associated Samples
BNA	WA32028	7 days-ext.**	42 days-ext.**	J/UJ	W-920805-JM-042
			48 days-ext.**	J/UJ	W-920806-JM-051
			42 days-ext.**	J/UJ	W-920805-JM-022
			42 days-ext.**	J/UJ	W-920805-JM-024
			42 days-ext.**	J/UJ	W-920805-JM-026
			49 days-ext.**	J/UJ	W-920805-JM-031
			49 days-ext.**	J/UJ	W-920805-JM-036
			49 days-ext.**	J/UJ	W-920805-JM-038
			48 days-ext.**	J/UJ	W-920806-JM-044
			48 days-ext.**	J/UJ	W-920806-JM-045
Sulfate	WA33012	28 days	29 days	J/UJ	W-920810-JM-059
					W-920810-JM-060
					W-920810-JM-061
					W-920810-JM-062
					W-920810-JM-063
					W-920810-JM-064
					W-920810-JM-065
					W-920810-JM-066
					W-920810-JM-067
					W-920810-JM-068
					W-920810-JM-069
					W-920810-JM-070
					W-920810-JM-071
					W-920810-JM-072
					W-920810-JM-046
BNA	WA33012	7 days-ext.**	44 days-ext.**	J/UJ	W-920810-JM-070
			43 days-ext.**	J/UJ	W-920811-JM-078
			43 days-ext.**	J/UJ	W-920811-JM-083
BNA	WA33035	7 days-ext.**	42 days-ext.**	J/UJ	W-920812-JM-108
					W-920812-JM-110

TABLE 5A

QUALIFIED DATA DUE TO VIOLATION OF
HOLDING TIME REQUIREMENTS
OLIN-WILMINGTON SITE
AUGUST/SEPTEMBER 1992 SAMPLING EVENT

Analysis	Work Order No.	Prescribed Holding Time	Actual Holding Time	Qualifier*	Associated Samples
VOC	WA33037	14 days	50 days	J/UJ	W-920812-JM-105P W-920812-JM-105W
BNA	WA33037	7 days-ext.**	43 days-ext.**	J/UJ	W-920812-JM-105P
Mercury	WA36019	28 days	32 days	J/UJ	SED-920831-MJ-005 SED-920831-MJ-006
Mercury	WA36019	28 days	31 days	J/UJ	SED-920901-MJ-007 SED-920901-MJ-008 SED-920901-MJ-009 SED-920901-MJ-010 SED-920901-MJ-011 SED-920901-MJ-012 SED-920901-MJ-013 SED-920901-MJ-014 SED-920901-MJ-015
Mercury	WA36019	28 days	31 days	J/UJ	SED-920901-MJ-007
Sulfate	WA36019	28 days	30 days	J/UJ	SED-920901-MJ-016
Sulfate	WA36019	28 days	31 days	J/UJ	SED-920831-MJ-001 SED-920831-MJ-002 SED-920831-MJ-003 SED-920831-MJ-004 SED-920831-MJ-005 SED-920831-MJ-006
Sulfate	WA36019	28 days	30 days	J/UJ	SED-920901-MJ-007

TABLE 5A

QUALIFIED DATA DUE TO VIOLATION OF
HOLDING TIME REQUIREMENTS
OLIN-WILMINGTON SITE
AUGUST/SEPTEMBER 1992 SAMPLING EVENT

Analysis	Work Order No.	Prescribed Holding Time	Actual Holding Time	Qualifier*	Associated Samples
Sulfate	WA36019	28 days	31 days	J/UJ	SED-920901-MJ-008 SED-920901-MJ-009 SED-920901-MJ-010 SED-920901-MJ-011 SED-920901-MJ-012 SED-920901-MJ-013 SED-920901-MJ-014 SED-920901-MJ-015 SED-920901-MJ-017
VOC	WA36019	14 days	24 days	J/UJ	SED-920901-MJ-011 SED-920901-MJ-012
Mercury	WA36039	28 days	30 days	J/UJ	SED-920902-MJ-020 SED-920902-MJ-021 SED-920902-MJ-022 SED-920902-MJ-025
Sulfate	WA36039	28 days	30 days	J/UJ	SED-920902-MJ-020 SED-920902-MJ-021 SED-920902-MJ-022 SED-920902-MJ-023 SED-920902-MJ-024 SED-920902-MJ-025
BNA	WA36018	7 days-ext.**	34 days-ext.**	J/UJ	W-920901-JM-131
BNA	WA36038	7 days-ext.**	30 days-ext.**	J/UJ	W-920902-JM-133 W-920902-JM-136
Hexavalent Chromium	WA36016	24 hours	9 days	J/UJ	W-920901-JM-127 W-920901-JM-128
Hexavalent Chromium	WA36017	24 hours	36 days	J/UJ	SED-920901-MJ-016 SED-920901-MJ-017

TABLE 5A

QUALIFIED DATA DUE TO VIOLATION OF
HOLDING TIME REQUIREMENTS
OLIN-WILMINGTON SITE
AUGUST/SEPTEMBER 1992 SAMPLING EVENT

Analysis	Work Order No.	Prescribed Holding Time	Actual Holding Time	Qualifier*	Associated Samples
Hexavalent Chromium	WA32021	24 hours	2 days	J/UJ	W-920805-JM-025 W-920805-JM-026 W-920805-JM-036 W-920805-JM-037
Hexavalent Chromium	WA32026	24 hours	7 days	J/UJ	W-920806-JM-056
Hexavalent Chromium	WA33007	24 hours	3 days	J/UJ	W-920810-JM-062 W-920810-JM-069
Hexavalent Chromium	WA33011	24 hours	2 days	J/UJ	W-920811-JM-079 W-920811-JM-082 W-920811-JM-083
Hexavalent Chromium	WA33027	24 hours	14 days	J/UJ	W-920812-JM-108

* Sample data should be qualified as:
J - The associated value is an estimated quantity for detected analytes.
UJ - The analyte was checked for, but not detected. The associated value is an estimate.

** ext-days to sample extraction

TABLE 5B

QUALIFIED DATA DUE TO VIOLATION OF
PRESERVATION REQUIREMENTS
OLIN-WILMINGTON SITE
AUGUST/SEPTEMBER 1992 SAMPLING EVENT

Analysis	Sample ID	Qualifier*
VOC	W-920804-JM-19	J/UJ (aromatics)
	W-920806-JM-55	J/UJ (aromatics)
	W-920806-JM-56	J/UJ (aromatics)
	W-920812-JM-94	J/UJ (aromatics)
	W-920812-JM-109	J/UJ (aromatics)
	W-920813-JM-114	J/UJ (aromatics)

* Sample data should be qualified as:
J - The associated value is an estimated quantity for detected analytes.
UJ - The analyte was checked for, but not detected. The associated value is an estimate.

TABLE 6

OUTLYING LABORATORY DUPLICATE RESULTS
OLIN-WILMINGTON SITE
AUGUST/SEPTEMBER 1992 SAMPLING EVENT

Work Order No.	Analysis	Parameter	Result 1	Result 2	RPD*	RPD Limits	Qualifier**	Associated Samples
WA32028	Metals	Potassium	62 mg/L	77 mg/L	22	0-20	J/UJ	W-920805-JM-025
WA33012	Metals	Iron	0.14 mg/L	0.10 mg/L	34	0-20	J/UJ	W-920811-JM-084
WA36019	Metals	Mercury	1.2 ug/g	0.88 ug/g	33	0-30	J/UJ	SED-920901-MJ-011
WA36019	Metals	Mercury	0.65 ug/g	0.45 ug/g	35	0-30	J/UJ	SED-920901-MJ-012
WA36019	Metals	Mercury	0.79 ug/g	1.5 ug/g	59	0-30	J/UJ	SED-920902-MJ-020
WA36038	Metals	Iron	0.23 mg/L	0.18 mg/L	25	0-20	J/UJ	W-920902-JM-132
WA32028	VOC	2-Butanone	64 ug/L	<15 ug/L	200	0-100	J/UJ	W-920805-JM-025
WA32028	VOC	1,2-Dichloroethane	7 ug/L	9 ug/L	25	0-20	NR	W-920805-JM-030
WA32028	VOC	Acetone	400 ug/L	290 ug/L	32	0-20	J/UJ	W-920805-JM-042

TABLE 6

OUTLYING LABORATORY DUPLICATE RESULTS
OLIN-WILMINGTON SITE
AUGUST/SEPTEMBER 1992 SAMPLING EVENT

Work Order No.	Analysis	Parameter	Result 1	Result 2	RPD*	RPD Limits	Qualifier**	Associated Samples
WA32028	VOC	1,2-Dichloroethane	5 ug/L	<5 ug/L	200	0-100	NR	W-920805-JM-042
WA32028	BNA	2-Nitrophenol	82 ug/L	150 ug/L	59	0-20	J/UJ	W-920805-JM-025
WA32028	BNA	Phenol	52 ug/L	4 ug/L	171	0-100	J/UJ	W-920805-JM-042

* RPD - Relative Percent Difference

** Sample data should be qualified as:

NR - No qualification of the data was deemed necessary.

J -The associated value is an estimated quantity for detected analytes.

UJ -The analyte was checked for, but not detected. The associated value is an estimate.

TABLE 7

QUALIFIED RESULTS BASED ON CALIBRATION RANGE EXCEEDANCE
OLIN-WILMINGTON SITE
AUGUST/SEPTEMBER 1992 SAMPLING EVENT

Work Order No.	Sample ID	Analysis	Compound	Qualifier*
WA33035	W-920812-JM-094	VOC	Acetone	J
WA33037	W-920812-JM-105W	BNA	n-Nitrosodiphenylamine	J
			bis(2-Ethylhexyl)phthalate	J
			Di-n-octylphthalate	J
			Indeno(1,2,3-cd)pyrene	J
WA36019	SED-920901-MJ-017	VOC	2,2,4-Trimethyl-1-pentene	J

* Sample data should be qualified as:
J -The associated value is an estimated quantity for detected analytes.

TABLE 8

OUTLYING LABORATORY CONTROL SAMPLE RESULTS
OLIN-WILMINGTON SITE
AUGUST/SEPTEMBER 1992 SAMPLING EVENT

Prep-Anal Date	Analysis	Parameter	LCS %R	LCS DUP %R	Limits	RPD	RPD Limits	Qualifier*	Associated Samples
8/06-8/29	Pest	Heptachlor	66	89.6	34-111	30.3	0-20	J/UJ	W-920804-JM-012
		Aldrin	61.2	85.2	42-122	32.8	0-21	J/UJ	W-920804-JM-013
									W-920804-JM-014
									W-920804-JM-015
									W-920804-JM-016
									W-920804-JM-017
									W-920804-JM-018
									W-920804-JM-019
									W-920804-JM-020
									W-920804-JM-021
8/10-10/9	BNA	Pyrene	114	126	52-115	9.5	0-18	NR	W-920804-JM-014
		4-Nitrophenol	49.3	29.5	D-132	50	0-47	J/UJ	W-920804-JM-015
		2,4-Dinitrotoluene	77.6	59.8	39-139	26	0-22	J/UJ	W-920804-JM-016
									W-920804-JM-017
									W-920804-JM-018
									W-920804-JM-019
									W-920804-JM-020
									W-920804-JM-021
									W-920805-JM-025
9/8-9/19	BNA	4-Nitrophenol	45.5	22.5	D-132	67	0-47	J/UJ	W-920902-JM-135

TABLE 8

OUTLYING LABORATORY CONTROL SAMPLE RESULTS
OLIN-WILMINGTON SITE
AUGUST/SEPTEMBER 1992 SAMPLING EVENT

Prep-Anal Date	Analysis	Parameter	LCS %R	LCS DUP %R	Limits	RPD	RPD Limits	Qualifier*	Associated Samples
8/7-9/15	BNA	Pyrene	134	136	52-115	1	0-18	J/NR	W-920803-JM-06 W-920803-JM-07 W-920803-JM-08 W-920803-JM-09 W-920804-JM-10 W-920804-JM-11 W-920804-JM-12
8/16-9/10	BNA	Phenol	41.1	57.5	5-112	33	0-23	J/UJ	W-920811-JM-076
		2-Chlorophenol	36.1	57.1	23-134	45	0-29	J/UJ	W-920811-JM-077
		1,4-Dichlorobenzene	37.4	56.4	20-124	41	0-32	J/UJ	W-920811-JM-080
		1,2,4-Trichlorobenzene	34	83.8	44-142	85	0-28	J/UJ	W-920811-JM-081
		Acenaphthene	62.4	84.6	47-127	30	0-28	J/UJ	W-920811-JM-083
		4-Nitrophenol	58.7	112	D-132	63	0-47	J/UJ	W-920811-JM-085
		2,4-Dinitrotoluene	77.6	113	39-139	37	0-22	J/UJ	W-920811-JM-088 W-920811-JM-106 W-920811-JM-084 W-920810-JM-064

TABLE 8

OUTLYING LABORATORY CONTROL SAMPLE RESULTS
OLIN-WILMINGTON SITE
AUGUST/SEPTEMBER 1992 SAMPLING EVENT

Prep-Anal Date	Analysis	Parameter	LCS %R	LCS DUP %R	Limits	RPD	RPD Limits	Qualifier*	Associated Samples
9/22-9/26	BNA	Phenol	58.9	46.4	5-112	24	0-23	NR	W-920811-JM-078
		N-Nitroso-di-n-propylamine	127	108	3-125	16	0-34	NR	W-920811-JM-079
		Pentachlorophenol	0	0	14-150	-	0-42	J/R	W-920805-JM-031
		Pyrene	114	131	52-115	14	0-18	NR	W-920805-JM-036
									W-920805-JM-038
									W-920805-JM-051
									W-920806-JM-044
									W-920806-JM-045
									W-920810-JM-070
									W-920811-JM-083
									W-920812-JM-108
									W-920812-JM-110
									W-920812-JM-105P
8/18-9/10	BNA	4-Nitrophenol	36	59.3	D-132	49	0-47	NR	W-920812-JM-103
		Pyrene	140	125	52-115	12	0-18	J/NR	W-920812-JM-104
									W-920812-JM-107
									W-920812-JM-108
									W-920812-JM-109
									W-920812-JM-110
									W-920813-JM-111
									W-920813-JM-112
									W-920813-JM-113
									W-920813-JM-114
									W-920812-JM-105W

TABLE 8

OUTLYING LABORATORY CONTROL SAMPLE RESULTS
OLIN-WILMINGTON SITE
AUGUST/SEPTEMBER 1992 SAMPLING EVENT

Prep-Anal Date	Analysis	Parameter	LCS %R	LCS DUP %R	Limits	RPD	RPD Limits	Qualifier*	Associated Samples
9/2-9/10	Metals	Hexavalent Chrom	75.6	NA	80-120	NA	NA	J/UJ	W-920901-JM-127 W-920901-JM-128
8/7-8/13	Metals	Hexavalent Chrom	71.2	NA	80-120	NA	NA	J/UJ	W-920806-JM-056

* Sample data should be qualified as:
NR - No qualification of the data was deemed necessary.
J -The associated value is an estimated quantity for detected analytes.
UJ -The analyte was checked for, but not detected. The associated value is an estimate.
R -The data are unusable.

TABLE 9

OUTLYING MATRIX SPIKE SAMPLE RESULTS
OLIN-WILMINGTON SITE
AUGUST/SEPTEMBER 1992 SAMPLING EVENT

Analysis	Compound	MS %R	MSD %R	%R Limits	RPD*	RPD Limits	Associated Samples	Qualifier**
Metals	Aluminum	933***	NA	80-120	NA	NA	W-920805-JM-25	NR
	Cadmium	76.3****	NA	80-120	NA	NA	W-920805-JM-25	J/UJ
	Calcium	66.7****	NA	80-120	NA	NA	W-920805-JM-25	J/UJ
	Calcium	153***	NA	80-120	NA	NA	W-920805-JM-30	NR
	Calcium	0***	NA	80-120	NA	NA	W-920805-JM-42	NR
	Calcium	66.7***	NA	80-120	NA	NA	W-920805-JM-28	NR
	Calcium	200***	NA	80-120	NA	NA	W-920811-JM-84	NR
	Chromium	0***	NA	80-120	NA	NA	W-920805-JM-25	NR
	Iron	184***	NA	80-120	NA	NA	W-920805-JM-42	NR
	Magnesium	26.7***	NA	80-120	NA	NA	W-920805-JM-25	NR
	Manganese	0***	NA	80-120	NA	NA	W-920805-JM-25	NR
	Manganese	0***	NA	80-120	NA	NA	W-920805-JM-30	NR
	Manganese	0***	NA	80-120	NA	NA	W-920805-JM-42	NR
	Manganese	65.0***	NA	80-120	NA	NA	W-920805-JM-28	NR
	Manganese	135****	NA	80-120	NA	NA	W-920811-JM-84	J/NR
	Nickel	60.0****	NA	80-120	NA	NA	W-920805-JM-25	J/UJ
	SIlver	39.3****	NA	80-120	NA	NA	W-920811-JM-84	J/UJ
	Sodium	4000***	NA	80-120	NA	NA	W-920805-JM-25	NR
	Sodium	0.0***	NA	80-120	NA	NA	W-920805-JM-30	NR
	Sodium	1600***	NA	80-120	NA	NA	W-920805-JM-42	NR
	Sodium	148***	NA	80-120	NA	NA	W-920806-JM-51	NR
	Sodium	36.0***	NA	80-120	NA	NA	W-920805-JM-28	NR
	Sodium	0.0***	NA	80-120	NA	NA	W-920803-JM-08	NR
	Sodium	1280***	NA	80-120	NA	NA	W-920811-JM-84	NR

TABLE 9

OUTLYING MATRIX SPIKE SAMPLE RESULTS
OLIN-WILMINGTON SITE
AUGUST/SEPTEMBER 1992 SAMPLING EVENT

Analysis	Compound	MS %R	MSD %R	%R Limits	RPD*	RPD Limits	Associated Samples	Qualifier**
Metals	Vanadium	68.7****	NA	80-120	NA	NA	W-920805-JM-25	J/UJ
	Vanadium	71.3****	NA	80-120	NA	NA	W-920805-JM-42	J/UJ
	Antimony	0.0*****	NA	80-120	NA	NA	W-920805-JM-25	J/R
	Antimony	0.0*****	NA	80-120	NA	NA	W-920805-JM-30	J/R
	Antimony	0.0*****	NA	80-120	NA	NA	W-920805-JM-42	J/R
	Antimony	145****	NA	80-120	NA	NA	W-920805-JM-28	J/NR
	Antimony	125****	NA	80-120	NA	NA	W-920803-JM-08	J/NR
	Arsenic	0.0*****	NA	80-120	NA	NA	W-920805-JM-25	J/R
	Arsenic	0.0*****	NA	80-120	NA	NA	W-920805-JM-30	J/R
	Arsenic	0.0*****	NA	80-120	NA	NA	W-920805-JM-42	J/R
	Arsenic	136****	NA	80-120	NA	NA	W-920811-JM-84	J/NR
	Lead	0.0*****	NA	80-120	NA	NA	W-920805-JM-25	J/R
	Lead	0.0*****	NA	80-120	NA	NA	W-920805-JM-30	J/R
	Lead	0.0*****	NA	80-120	NA	NA	W-920805-JM-42	J/R
	Selenium	0.0*****	NA	80-120	NA	NA	W-920805-JM-25	J/R
	Selenium	0.0*****	NA	80-120	NA	NA	W-920805-JM-30	J/R
	Selenium	0.0*****	NA	80-120	NA	NA	W-920805-JM-42	J/R
	Selenium	0.0*****	NA	80-120	NA	NA	W-920805-JM-28	J/R
	Thallium	0.0*****	NA	80-120	NA	NA	W-920805-JM-25	J/R
	Thallium	70.0****	NA	80-120	NA	NA	W-920805-JM-42	J/UJ
	Aluminum	130****	NA	80-120	NA	NA	W-920901-JM-127	J/NR
	Chromium	67.0***	NA	80-120	NA	NA	W-920901-JM-127	NR
	Manganese	130***	NA	80-120	NA	NA	W-920901-JM-127	NR
	Sodium	200***	NA	80-120	NA	NA	W-920901-JM-127	NR

TABLE 9

OUTLYING MATRIX SPIKE SAMPLE RESULTS
OLIN-WILMINGTON SITE
AUGUST/SEPTEMBER 1992 SAMPLING EVENT

Analysis	Compound	MS %R	MSD %R	%R Limits	RPD*	RPD Limits	Associated Samples	Qualifier**
Metals	Arsenic	130****	NA	80-120	NA	NA	W-920901-JM-127	J/NR
	Selenium	0*****	NA	80-120	NA	NA	W-920901-JM-127	J/R
	Selenium	0*****	NA	80-120	NA	NA	W-920902-JM-136	J/R
	Aluminum	216****	NA	80-120	NA	NA	SED-920902-MJ-020	J/NR
	Chromium	13.3***	NA	80-120	NA	NA	SED-920901-MJ-016	NR
	Chromium	203***	NA	80-120	NA	NA	SED-920902-MJ-020	NR
	Mercury	182****	NA	80-120	NA	NA	SED-920901-MJ-011	J/NR
	Mercury	173****	NA	80-120	NA	NA	SED-920902-MJ-020	J/NR
	HexChrom	73.2****	NA	80-120	NA	NA	W-920901-JM-127	J/UJ
General Chemistry	Chloride	234	284	80-120	19	0-20	W-920805-JM-25	J/NR
	Sulfate	76.5	86.5	80-120	12	0-20	W-920805-JM-30	NR
	Sulfate	125	113	80-120	10	0-20	W-920811-JM-84	NR
	Sulfate	146	NA	80-120	NA	NA	W-920811-JM-80	J/NR
Pest	gamma-BHC	129	NA	32-127	NA	NA	W-920805-JM-30	J/NR
	Dieldrin	157	NA	36-146	NA	NA	W-920805-JM-30	J/NR
	Endrin	167	NA	30-147	NA	NA	W-920805-JM-30	J/NR
BNA	Pentachlorophenol	2.1	NA	9-103	NA	NA	W-920805-JM-30	J/UJ

TABLE 9

OUTLYING MATRIX SPIKE SAMPLE RESULTS
OLIN-WILMINGTON SITE
AUGUST/SEPTEMBER 1992 SAMPLING EVENT

Analysis	Compound	MS %R	MSD %R	%R Limits	RPD*	RPD Limits	Associated Samples	Qualifier**
BNA	1,2,4-Trichlorobenzene	101	NA	39-98	NA	NA	W-920805-JM-42	J/NR
	4-Chloro-3-methylphenol	107	NA	23-97	NA	NA	W-920805-JM-42	J/NR
	Pentachlorophenol	112	NA	9-103	NA	NA	W-920805-JM-42	J/NR
BNA	1,4-Dichlorobenzene	102	NA	36-97	NA	NA	W-920811-JM-84	J/NR
	1,2,4-Trichlorobenzene	104	NA	39-98	NA	NA	W-920811-JM-84	J/NR
	4-Nitrophenol	123	NA	10-80	NA	NA	W-920811-JM-84	J/NR
BNA	Pentachlorophenol	157	NA	9-103	NA	NA	W-920811-JM-84	J/NR

* RPD - Relative Percent Difference

** Sample data should be qualified as:
NR - No qualification of the data was deemed necessary.
J -The associated value is an estimated quantity for detected analytes.
UJ -The analyte was checked for, but not detected. The associated value is an estimate.
R -The data are unusable.

*** Matrix spike recovery was reported to be outside the laboratory specified range.
The spike concentration was significantly below the sample concentration and could not be distinguished from the sample's analytical signal.

**** Matrix spike recovery was reported to be outside the laboratory specified range indicating potential sample matrix interference and potential bias of reported value for this parameter.

***** Matrix spike analysis could not be quantified due to severe matrix interferences.

Waterloo File Copy

MEMORANDUM

TO: Ed Roberts REFERENCE NO. 3683

FROM: Ruth Lewis DATE: January 25, 1993

RE: Data Quality Assessment and Validation for Water, Soil and Sediment Samples Collected during the November/December 1992 Sampling Event at the Olin Site in Wilmington, Massachusetts

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The following details a data quality assessment and validation for water, soil and sediment samples collected during the November/December 1992 sampling event at the Olin Site in Wilmington, Massachusetts. The samples identified in Table 1 were analyzed for one or more parameters listed in Table 2. All analyses were performed by Coast-to-Coast Analytical Services, Inc. of Westbrooke, Maine. The quality assurance criteria were established in the associated Quality Assurance Project Plan (QAPP)[1].

Method Blank Samples

Contamination of the samples contributed by laboratory conditions or procedures was monitored by the concurrent preparation and analysis of method blank samples. Method blank samples yielded positive concentrations for target analytes listed in Table 3. As a result, associated sample data should be qualified as non-detect (U). A summary of these samples appears in Table 3.

Surrogate Compound Percent Recoveries (Surrogate Recoveries)

Individual sample performance for organic analyses (VOC, BNA, Pesticides) was monitored by surrogate recoveries. The surrogate recoveries for the majority of analyses were within acceptance criteria. Table 4 lists the outlying surrogate results. Associated sample data should be qualified as noted in the table. The remaining surrogate recoveries for the analyses were within the control limits.

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[1] *Application of quality assurance criteria was consistent with* "National Functional Guidelines for Organic Data Review", December 1990 (Revised June 1991) and "Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses", July 1988.

Holding Time and Preservation Requirements

Holding time periods for the analyses are listed in Table 2. On the basis of sample collection dates on the chain-of-custody forms and analytical reports provided by the laboratory, the majority of extractions and analyses were completed within the specified holding time period. Table 5A lists the holding time violations. The data for these samples should be qualified as estimated (J) for positive parameter results and the quantitation limit estimated (UJ) for negative parameter results.

The pH for the samples listed in Table 5B was reported to be above the maximum pH for VOC analysis when it was measured at the laboratory. All samples listed in the table were analyzed between 7 and 14 days from sample collection. The associated sample data for purgeable aromatic hydrocarbons should be qualified as estimated (J) for positive parameter results and the quantitation limit estimated (UJ) for negative parameter results.

Laboratory Duplicate Analysis

Laboratory precision for the event was measured using laboratory duplicate samples for organic and inorganic analyses. Based on relative percent difference (RPD) data, the majority of positive results for these analyses exhibited acceptable precision. Table 6 lists the outlying laboratory duplicate results. Associated sample data should be qualified as noted in the table.

Calibration Range Exceedance

Results from several investigative samples yielded positive concentrations of target analytes that were reported to exceed the instrument calibration range. The sample results were flagged with an "E" qualifier by the laboratory. The data should be qualified as estimated (J) for the positive parameter results.

Laboratory Control Sample (LCS) Percent Recoveries

To assess the long term accuracy and precision of the laboratory procedures, LCS percent recoveries and RPD of the recoveries were determined. LCS or LCS/LCS duplicate analyses were performed for organic and inorganic analyses. Table 7 lists the outlying LCS results. Associated sample data should be qualified as noted in the table. The remaining percent recovery and RPD data were within acceptance criteria, indicating an adequate level of accuracy and precision was achieved.

Matrix Spike Sample Results

To assess the long term accuracy and precision of the analytical method on various matrices, matrix spike percent recoveries and RPD of the recoveries were determined. Matrix spike or matrix spike/matrix spike duplicate analyses were performed for organic and inorganic analyses. Table 8 lists the outlying matrix spike sample results. Associated sample data should be qualified as noted in the table. The remaining percent recovery and RPD data were within acceptance criteria, indicating an adequate level of accuracy and precision was achieved.

Field QA/QC

The field QA/QC for this sampling event included trip blanks, rinsate blanks and field duplicate sample sets. Rinsate blank samples were not collected at the frequency specified in the QAPP since dedicated sampling equipment was used during the sampling event.

To evaluate the possibility of contamination arising from sample transport, the environment and/or shipping, trip blank samples were submitted to the laboratory for VOC analysis. The trip blank sample results yielded non-detectable concentrations or low concentrations of target analytes that were within acceptance criteria. As a result, no qualification of investigative sample data was required based on trip blank results.

As a check on cleanliness of sampling equipment, a rinsate blank samples were collected as an authentic samples for labeling and submission to the laboratory. The rinsate blank sample results yielded non-detectable concentrations or low concentrations of target analytes that were within acceptance criteria, indicating adequate decontamination of sampling equipment occurred.

Overall precision for the sampling event was monitored using field duplicate sample sets: W-921104-JM-023/W-921104-JM-025, W-921109-JM-050/W-921109-JM-053,W-921110-JM-064/W-921110-JM-067,W-921111-JM-065/W-921111-JM-066, W-921111-JM-079/W-921111-JM-082, W-921118-JM-124/W-921118-JM-125, W-921201-MJ-017/W-921201-MJ-018, W-921202-MJ-021/W-921202-MJ-022, SED-921201-MJ-017/SED-921201-MJ-018, SED-921202-MJ-021/SED-921202-MJ-022. The overall level of precision was generally found to be acceptable for the different matrices. RPD values were calculated to be greater than 50 for unqualified positive parameter results from several water duplicate sample sets. The associated sample data listed in Table 9 should be qualified as estimated (J) for positive parameter results.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and may be used with the specific qualifications noted.

Enc.
cc: Steve Day
Bob Martin

RL/jm

TABLE 1

SUMMARY OF SAMPLE IDENTIFICATION NUMBERS
OLIN-WILMINGTON SITE
NOVEMBER/DECEMBER 1992 SAMPLING EVENT

WA45004
W-921102-JM-001
W-921102-JM-002
W-921102-JM-003
W-921102-JM-004
W-921102-JM-005
W-921102-JM-006
W-921102-JM-007
W-921102-JM-008

WA45017
W-921103-JM-009
W-921103-JM-010
W-921103-JM-011
W-921103-JM-012
W-921103-JM-013
W-921103-JM-014
W-921103-JM-015
W-921103-JM-016
W-921103-JM-017
W-921103-JM-018
W-921103-JM-019
W-921103-JM-020
W-921103-JM-021
W-921103-JM-022
W-921104-JM-023
W-921104-JM-025
W-921104-JM-027

WA45028
S-921102-JM-01
S-921102-JM-02

WA46007
W-921110-JM-063
W-921110-JM-064
W-921110-JM-067

WA46011
W-921111-JM-079
W-921111-JM-065
W-921111-JM-066
W-921111-JM-082

WA45029
W-921105-JM-034
W-921105-JM-035
W-921105-JM-036
W-921105-JM-037
W-921105-JM-038
W-921105-JM-039
W-921105-JM-040
W-921105-JM-041
W-921105-JM-042
W-921105-JM-043
W-921106-JM-044
W-921106-JM-045
W-921106-JM-046
W-921106-JM-047
W-921106-JM-048
W-921106-JM-049

WA46021
W-921112-JM-086
W-921112-JM-087
W-921112-JM-088
W-921112-JM-089
W-921112-JM-090
W-921112-JM-091
W-921112-JM-092
W-921112-JM-093
W-921112-JM-094
W-921112-JM-RNST1
W-921112-JM-RNST2
W-921113-JM-095
W-921113-JM-096
W-921113-JM-097
W-921113-JM-098

WA47011
W-921116-JM-099
W-921116-JM-100
W-921116-JM-101
W-921116-JM-102
W-921116-JM-103
W-921116-JM-104
W-921116-JM-105
W-921116-JM-106
W-921116-JM-107
W-921116-JM-108

WA46005
W-921109-JM-050
W-921109-JM-053
W-921109-JM-054
W-921109-JM-055
W-921109-JM-056
W-921109-JM-057
W-921109-JM-058
W-921109-JM-059
W-921109-JM-060
W-921109-JM-061
W-921109-JM-062

WA46014
W-921110-JM-036
W-921110-JM-063
W-921110-JM-064
W-921110-JM-067
W-921110-JM-068
W-921110-JM-070
W-921110-JM-071
W-921110-JM-072
W-921110-JM-073
W-921111-JM-065
W-921111-JM-066
W-921111-JM-069
W-921111-JM-074
W-921111-JM-077
W-921111-JM-078
W-921111-JM-079
W-921111-JM-082
W-921111-JM-083
W-921111-JM-084
W-921111-JM-085

WA46019
W-921112-JM-091
W-921112-JM-093

WA47008
W-921116-JM-100
W-921116-JM-101

SUMMARY OF SAMPLE IDENTIFICATION NUMBERS
OLIN-WILMINGTON SITE
NOVEMBER/DECEMBER 1992 SAMPLING EVENT

WA49017
SED-921201-MJ-007
SED-921201-MJ-008
SED-921201-MJ-009
SED-921201-MJ-010
SED-921201-MJ-011
SED-921201-MJ-012
SED-921201-MJ-013
SED-921201-MJ-014
SED-921201-MJ-015
SED-921201-MJ-016
SED-921201-MJ-017
SED-921201-MJ-018
SED-921202-MJ-021
SED-921202-MJ-022
SED-921202-MJ-025
SED-921202-MJ-026
SED-921202-MJ-027
SED-921202-MJ-028
W-921201-MJ-006
W-921201-MJ-007
W-921201-MJ-008
W-921201-MJ-009
W-921201-MJ-010
W-921201-MJ-011
W-921201-MJ-012
W-921201-MJ-013
W-921201-MJ-014
W-921201-MJ-015
W-921201-MJ-016
W-921201-MJ-017
W-921201-MJ-018
W-921202-MJ-021
W-921202-MJ-022
W-921202-MJ-025
W-921202-MJ-026
W-921202-MJ-027
W-921202-MJ-028
TRIP BLANK
RINSATE BLANK

WA49006
W-921130-MJ-001
W-921130-MJ-002
W-921130-MJ-003
W-921130-MJ-004
W-921130-MJ-005
SED-921130-MJ-001
SED-921130-MJ-002
SED-921130-MJ-003
SED-921130-MJ-004
SED-921130-MJ-005
SED-921201-MJ-006
TRIP BLANK

WA52011
W-921217-JM-130

WA49016
W-921202-MJ-021
W-921202-MJ-022
W-921202-MJ-026
W-921202-MJ-027
SED-921202-MJ-021
SED-921202-MJ-022
SED-921202-MJ-026
SED-921202-MJ-027

WA47023
W-921104-JM-027
W-921109-JM-057
W-921109-JM-058
W-921110-JM-063
W-921110-JM-064
W-921111-JM-065
W-921111-JM-069
W-921110-JM-070
W-921110-JM-071
W-921111-JM-079
W-921111-JM-084
W-921112-JM-090
W-921112-JM-091
W-921112-JM-093
W-921119-JM-129

WA47027
W-921117-JM-003 R
W-921117-JM-109
W-921117-JM-111
W-921117-JM-112
W-921117-JM-114
W-921117-JM-115
W-921117-JM-118
W-921117-JM-120
W-921118-JM-121
W-921118-JM-122
W-921118-JM-123
W-921118-JM-124
W-921118-JM-125
W-921118-JM-126
W-921118-JM-127
W-921118-JM-128
W-921119-JM-119
W-921119-JM-129

WA51044
W-921217-JM-131
W-921217-JM-132

WA49009
W-921201-MJ-017
W-921201-MJ-013
W-921201-MJ-014
W-921201-MJ-018
SED-921201-MJ-017
SED-921201-MJ-013
SED-921201-MJ-014
SED-921201-MJ-018

WA49027
W-921203-MJ-029
SED-921203-MJ-029

WA52002
W-921218-JM-133

TABLE 2

SUMMARY OF ANALYTICAL PARAMETERS
OLIN-WILMINGTON SITE
NOVEMBER/DECEMBER 1992 SAMPLING EVENT

Analysis - Method*	Holding Time**
Target Compound List Volatile Organic Compounds (TCL VOC) plus Trimethylpentenes - SW 8240	14 days
Target Compound List Base-Neutral/Acid Extractable Organic Compounds (TCL BNA) - SW 8270	7-14/40 days***
Target Compound List Pesticides - SW 8080	7-14/40 days***
Target Analyte List Metals (TAL Metals) - SW 6010/7000 series and EPA 200 series	6 months (28 days-Mercury)
Hexavalent Chromium - SW 3060/7195/6010	24 hours
Chloride - EPA 325.2/SW 9251 modified	28 days
Ammonia - EPA 350.1	28 days
Sulfate - EPA 375.4/SW 9038 modified	28 days
Nitrite - EPA 354.1	48 hours
Nitrate - EPA 353.2	28 days
Total Residue - CLP CIP, 103-105c	7 days
Specific Gravity - ASTM D-1429	Not Applicable

NOTES:

* Methods were derived from:
SW - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, 3rd edition, November 1986.
EPA - "Methods for Chemical Analysis of Water and Wastes", EPA 600/4-79-020, revised March 1983.
CLP - Contract Laboratory Program Caucus Inorganic Protocols, Statement of Work (July 1988).
ASTM - American Society of Testing Materials, 1988.

** Holding time periods are based from sample collection date to sample analysis date.

*** Seven (water)-Fourteen (soil) days from sample collection to extraction; 40 days from extraction to completion of analysis.

TABLE 3

SUMMARY OF ANALYTES
DETECTED IN METHOD BLANKS
OLIN-WILMINGTON SITE
NOVEMBER/DECEMBER 1992 SAMPLING EVENT

Work Order No.	Analysis	Parameter	Associated Samples	Qualifier*
WA45004	VOC	Acetone	W-921102-JM-001	15U
			W-921102-JM-002	19U
			W-921102-JM-003	15U
			W-921102-JM-005	15U
			W-921102-JM-008	15U
WA45004	VOC	Methylene Chloride	W-921102-JM-001	10U
			W-921102-JM-002	10U
			W-921102-JM-003	10U
			W-921102-JM-004	10U
			W-921102-JM-005	10U
			W-921102-JM-006	10U
			W-921102-JM-007	10U
			W-921102-JM-008	10U
WA45004	VOC	Tetrachloroethene	W-921102-JM-001	5U
			W-921102-JM-002	5U
			W-921102-JM-006	5U
			W-921102-JM-007	5U
WA45004	VOC	Toluene	W-921102-JM-006	5U
WA45004	BNA	bis(2-Ethylhexyl)phthalate	W-921102-JM-001	10U
			W-921102-JM-002	10U
			W-921102-JM-003	10U
			W-921102-JM-004	10U
			W-921102-JM-005	10U
			W-921102-JM-006	10U
			W-921102-JM-008	10U
WA45017	VOC	Acetone	W-921103-JM-009	27U
			W-921103-JM-012	15U
			W-921103-JM-013	15U
			W-921103-JM-015	15U
			W-921103-JM-017	15U
			W-921103-JM-018	27U
			W-921103-JM-019	15U

TABLE 3

SUMMARY OF ANALYTES
DETECTED IN METHOD BLANKS
OLIN-WILMINGTON SITE
NOVEMBER/DECEMBER 1992 SAMPLING EVENT

Work Order No.	Analysis	Parameter	Associated Samples	Qualifier*
WA45017	VOC	Methylene Chloride	W-921103-JM-014	10U
			W-921103-JM-017	10U
			W-921103-JM-020	10U
			W-921103-JM-021	10U
			W-921103-JM-023	10U
WA45017	VOC	Bromoform	W-921103-JM-017	5U
WA45017	VOC	Xylenes	W-921103-JM-021	5U
			W-921103-JM-014	5U
WA45017	BNA	Bis(2-Ethylhexyl)phthalate	W-921103-JM-009	10U
			W-921103-JM-010	10U
			W-921103-JM-011	10U
			W-921103-JM-012	10U
			W-921103-JM-013	10U
			W-921103-JM-014	10U
			W-921103-JM-015	10U
			W-921103-JM-016	10U
			W-921103-JM-017	13U
			W-921103-JM-018	10U
			W-921103-JM-019	10U
			W-921103-JM-020	10U
			W-921103-JM-021	10U
			W-921103-JM-022	10U
			W-921103-JM-024	10U
			W-921103-JM-025	10U
			W-921103-JM-026	10U
			W-921103-JM-027	10U
WA45028	BNA	Di-n-Butylphthalate	S-921102-JM-02	330U
WA45029	BNA	Bis(2-Ethylhexyl)phthalate	W-921106-JM-047	10U
			W-921106-JM-048	10U
			W-921106-JM-049	10U

TABLE 3

SUMMARY OF ANALYTES
DETECTED IN METHOD BLANKS
OLIN-WILMINGTON SITE
NOVEMBER/DECEMBER 1992 SAMPLING EVENT

Work Order No.	Analysis	Parameter	Associated Samples	Qualifier*
WA46005	BNA	Bis(2-Ethylhexyl)phthalate	W-921109-JM-050	10U
			W-921109-JM-053	10U
			W-921109-JM-054	10U
			W-921109-JM-055	10U
			W-921109-JM-056	10U
			W-921109-JM-057	10U
			W-921109-JM-058	10U
			W-921109-JM-059	10U
			W-921109-JM-060	10U
			W-921109-JM-061	10U
			W-921109-JM-062	10U
WA46014	VOC	Methylene Chloride	W-921110-JM-063	10U
			W-921110-JM-064	10U
			W-921110-JM-067	10U
			W-921110-JM-068	10U
			W-921110-JM-070	10U
			W-921110-JM-071	10U
			W-921110-JM-072	10U
			W-921110-JM-073	5000U
			W-921111-JM-065	17U
			W-921111-JM-066	12U
			W-921111-JM-069	10U
			W-921111-JM-074	10U
			W-921111-JM-077	10U
			W-921111-JM-078	10U
			W-921111-JM-079	10U
			W-921111-JM-082	10U
			W-921111-JM-083	10U
			W-921111-JM-084	10U
			W-921111-JM-085	10U

TABLE 3

SUMMARY OF ANALYTES
DETECTED IN METHOD BLANKS
OLIN-WILMINGTON SITE
NOVEMBER/DECEMBER 1992 SAMPLING EVENT

Work Order No.	Analysis	Parameter	Associated Samples	Qualifier*
WA46014	VOC	Acetone	W-921110-JM-068	27U
			W-921110-JM-070	15U
			W-921110-JM-071	15U
			W-921110-JM-072	15U
			W-921110-JM-073	8000U
			W-921111-JM-065	40U
			W-921111-JM-069	15U
			W-921111-JM-077	15U
			W-921111-JM-079	300U
			W-921111-JM-083	15U
			W-921111-JM-084	15U
			W-921111-JM-085	15U
WA46014	BNA	Bis(2-Ethylhexyl)phthalate	W-921110-JM-063	10U
			W-921110-JM-064	10U
			W-921110-JM-067	10U
			W-921110-JM-070	10U
			W-921110-JM-071	10U
			W-921111-JM-065	10U
			W-921111-JM-066	10U
			W-921111-JM-069	10U
			W-921111-JM-074	10U
			W-921111-JM-077	10U
			W-921111-JM-078	10U
			W-921111-JM-079	10U
			W-921111-JM-082	10U
			W-921111-JM-083	10U
			W-921111-JM-084	10U
			W-921111-JM-085	10U
WA46014	BNA	Butyl benzylphthalate	W-921110-JM-073	3000U

TABLE 3

SUMMARY OF ANALYTES
DETECTED IN METHOD BLANKS
OLIN-WILMINGTON SITE
NOVEMBER/DECEMBER 1992 SAMPLING EVENT

Work Order No.	Analysis	Parameter	Associated Samples	Qualifier*
WA46021	BNA	Bis(2-Ethylhexyl)phthalate	W-921112-JM-086	10U
			W-921112-JM-087	10U
			W-921112-JM-088	10U
			W-921112-JM-089	10U
			W-921112-JM-090	10U
			W-921112-JM-091	10U
			W-921112-JM-092	10U
			W-921112-JM-093	10U
			W-921112-JM-094	10U
			W-921113-JM-095	10U
			W-921113-JM-097	10U
			W-921113-JM-098	10U
WA47011	VOC	Acetone	W-921116-JM-103	15U
WA47011	VOC	Methylene Chloride	W-921116-JM-103	10U
			W-921116-JM-104	10U
WA47011	BNA	Phenol	W-921116-JM-102	10U
			W-921116-JM-106	10U
WA47011	BNA	Bis(2-Ethylhexyl)phthalate	W-921116-JM-099	14U
			W-921116-JM-100	10U
			W-921116-JM-102	10U
			W-921116-JM-103	10U
			W-921116-JM-105	10U
			W-921116-JM-106	10U
			W-921116-JM-107	10U
WA47027	VOC	Acetone	W-921117-JM-109	15U
			W-921117-JM-111	15U
			W-921117-JM-112	15U
			W-921117-JM-114	15U
			W-921117-JM-115	15U
			W-921117-JM-120	15U
			W-921118-JM-121	15U
			W-921118-JM-124	15U
			W-921118-JM-126	15U
			W-921118-JM-128	15U
			W-921119-JM-129	15U

TABLE 3

SUMMARY OF ANALYTES
DETECTED IN METHOD BLANKS
OLIN-WILMINGTON SITE
NOVEMBER/DECEMBER 1992 SAMPLING EVENT

Work Order No.	Analysis	Parameter	Associated Samples	Qualifier*
WA47027	VOC	Methylene Chloride	W-921117-JM-109	10U
			W-921117-JM-111	10U
			W-921117-JM-112	10U
			W-921117-JM-114	10U
			W-921117-JM-115	10U
			W-921117-JM-120	10U
			W-921118-JM-121	10U
			W-921118-JM-124	10U
			W-921118-JM-126	10U
			W-921118-JM-128	10U
			W-921119-JM-129	33U
WA47027	BNA	Bis(2-Ethylhexyl)phthalate	W-921117-JM-109	10U
			W-921117-JM-111	10U
			W-921117-JM-112	10U
			W-921117-JM-114	10U
			W-921117-JM-115	10U
			W-921117-JM-120	10U
			W-921118-JM-121	10U
			W-921118-JM-122	10U
			W-921118-JM-123	14U
			W-921118-JM-124	10U
			W-921118-JM-125	10U
			W-921118-JM-126	10U
			W-921118-JM-127	10U
			W-921119-JM-129	10U
WA49027	VOC	Acetone	SED-921203-MJ-029	40U
WA49027	VOC	Methylene Chloride	SED-921203-MJ-029	20U
WA49027	BNA	Bis(2-Ethylhexyl)phthalate	W-921203-MJ-029	10U
WA49006	VOC	Acetone	SED-921130-MJ-001	93U
			SED-921130-MJ-002	110U
			SED-921130-MJ-003	60U
			SED-921130-MJ-004	53U
			SED-921130-MJ-005	410U

TABLE 3

SUMMARY OF ANALYTES
DETECTED IN METHOD BLANKS
OLIN-WILMINGTON SITE
NOVEMBER/DECEMBER 1992 SAMPLING EVENT

Work Order No.	Analysis	Parameter	Associated Samples	Qualifier*
WA49006	VOC	Methylene Chloride	SED-921130-MJ-001	20U
			SED-921130-MJ-002	20U
			SED-921130-MJ-003	10U
			SED-921130-MJ-004	20U
			SED-921130-MJ-005	50U
WA49006	VOC	2-Butanone	SED-921130-MJ-002	30U
			SED-921130-MJ-001	20U
WA52002	VOC	Xylenes	W-921218-JM-133	5U
WA52011	VOC	Acetone	W-921217-JM-130	15U
WA52011	VOC	Methylene Chloride	W-921217-JM-130	10U
WA49017	VOC	Acetone	SED-921201-MJ-006	31U
			SED-921201-MJ-009	30U
			SED-921201-MJ-010	69U
			SED-921201-MJ-011	240U
			SED-921201-MJ-012	210U
			SED-921201-MJ-014	250U
			SED-921201-MJ-015	65U
			SED-921201-MJ-016	53U
			SED-921201-MJ-017	43U
			SED-921201-MJ-018	38U
			SED-921202-MJ-021	20U
			SED-921202-MJ-022	30U
			SED-921202-MJ-025	15U
			SED-921202-MJ-026	58U
			SED-921202-MJ-027	92U
			SED-921202-MJ-028	70U

TABLE 3

SUMMARY OF ANALYTES
DETECTED IN METHOD BLANKS
OLIN-WILMINGTON SITE
NOVEMBER/DECEMBER 1992 SAMPLING EVENT

Work Order No.	Analysis	Parameter	Associated Samples	Qualifier*
WA49017	VOC	Methylene Chloride	SED-921201-MJ-006	20U
			SED-921201-MJ-007	20U
			SED-921201-MJ-008	20U
			SED-921201-MJ-009	20U
			SED-921201-MJ-010	10U
			SED-921201-MJ-011	80U
			SED-921201-MJ-012	20U
			SED-921201-MJ-014	20U
			SED-921201-MJ-015	10U
			SED-921201-MJ-016	20U
			SED-921201-MJ-017	20U
			SED-921201-MJ-018	20U
			SED-921202-MJ-021	20U
			SED-921202-MJ-022	20U
			SED-921202-MJ-025	10U
			SED-921202-MJ-026	10U
			SED-921202-MJ-027	10U
			SED-921202-MJ-028	50U
WA49017	VOC	2-Butanone	SED-921201-MJ-017	20U
			SED-921201-MJ-018	20U
			SED-921201-MJ-011	100U
		2-Hexanone	SED-921201-MJ-011	100U
		4-Methyl-2-pentanone	SED-921201-MJ-011	100U
WA49017	BNA	Bis(2-Ethylhexyl)phthalate	Rinsate Blank	10U
			W-921201-MJ-013	10U
			W-921201-MJ-014	170U
			W-921201-MJ-015	120U
			W-921201-MJ-016	10U
			W-921201-MJ-018	23U
			W-921202-MJ-022	11U
			W-921202-MJ-025	10U
			W-921202-MJ-027	25U
			W-921202-MJ-028	10U

NOTE:

* Sample data should be qualified as non-detect (U) with the associated value being the quantitation limit.

TABLE 4

OUTLYING SURROGATE RECOVERIES
BNA, PEST AND VOC ANALYSES
OLIN-WILMINGTON SITE
NOVEMBER/DECEMBER 1992 SAMPLING EVENT

Work Order No.	Analysis	Sample ID	Qualifier*	Surrogate Compound	%R	Limits
WA45029	BNA	W-921105-JM-036	J/R (A)	2,4,6-Tribromophenol	243	10-123
				Phenol-d5	1	10-110
WA46014	Pest	W-921110-JM-067	J/R	TCMX**	0	24-154
WA49027	VOC	SED-921203-MJ-029	J/UJ	Toluene-d8	120	81-117
				p-Bromofluorobenzene	72	74-121
WA49017	VOC	SED-921201-MJ-008	J/UJ	Toluene-d8	119	81-117
				p-Bromofluorobenzene	73	74-121
WA49017	VOC	SED-921201-MJ-012	J/UJ	Toluene-d8	130	81-117
				p-Bromofluorobenzene	70	74-121
WA49017	Pest	SED-921201-MJ-013	J/NR	TCMX	210	24-154
				Decachlorobiphenyl	6400	24-154
WA49017	BNA	SED-921201-MJ-013	J/NR (BN)	2-Fluorobiphenyl	131	30-115
				Nitrobenzene-d5	122	23-120
WA49017	VOC	SED-921201-MJ-014	J/NR	Toluene-d8	121	81-117
WA49017	VOC	SED-921201-MJ-016	J/UJ	p-Bromofluorobenzene	72	74-121

* Sample data should be qualified as:
J - The associated value is an estimated quantity for detected analytes.
UJ - The analyte was checked for, but not detected. The associated value is an estimate.
R -The data are unuasble.
NR - No qualification of the data was deemed necessary.
Note: For BNA analysis, "BN" refers to base-neutral extractable compounds and "A" refers to acid extractable compounds.

** 2,4,5,6-Tetrachloro-meta-xylene

TABLE 5A

QUALIFIED DATA DUE TO VIOLATION OF
HOLDING TIME REQUIREMENTS
OLIN-WILMINGTON SITE
NOVEMBER/DECEMBER 1992 SAMPLING EVENT

Analysis	Work Order No.	Prescribed Holding Time	Actual Holding Time	Qualifier*	Associated Samples
Total Solids	WA45028	7 days	10 days	J	S-921102-JM-01 S-921102-JM-02
Hex Chrom	WA46007	24 hours	48 hours	J/UJ	W-921110-JM-63 W-921110-JM-67 W-921110-JM-64
Hex Chrom	WA46011	24 hours	48 hours	J/UJ	W-921111-JM-079 W-921111-JM-065 W-921111-JM-066 W-921111-JM-082
Hex Chrom	WA46019	24 hours	48 hours	J/UJ	W-921112-JM-093 W-921112-JM-091
Hex Chrom	WA47008	24 hours	48 hours	J/UJ	W-921116-JM-100 W-921116-JM-101
BNA	WA47011	7 days--ext**	8 days--ext**	J/UJ	W-921116-JM-106
Hex Chrom	WA49009	24 hours	48 hours	J/UJ	W-921201-MJ-017 W-921201-MJ-013 W-921201-MJ-014 SED-921201-MJ-017 SED-921201-MJ-014 W-921201-MJ-018 SED-921201-MJ-018
Hex Chrom	WA49009	24 hours	4 days	J/UJ	SED-921201-MJ-013
Hex Chrom	WA49016	24 hours	48 hours	J/UJ	W-921202-MJ-021 W-921202-MJ-022 W-921202-MJ-026 W-921202-MJ-027

TABLE 5A

QUALIFIED DATA DUE TO VIOLATION OF
HOLDING TIME REQUIREMENTS
OLIN-WILMINGTON SITE
NOVEMBER/DECEMBER 1992 SAMPLING EVENT

Analysis	Work Order No.	Prescribed Holding Time	Actual Holding Time	Qualifier*	Associated Samples
Hex Chrom	WA49016	24 hours	3 days	J/UJ	SED-921202-MJ-021
					SED-921202-MJ-022
					SED-921202-MJ-026
					SED-921202-MJ-027
Nitrite	WA49009	48 hours	3 days	J/UJ	SED-921201-MJ-013
					SED-921201-MJ-014
					SED-921201-MJ-017
					SED-921201-MJ-018

Notes:

* Sample data should be qualified as:

J - The associated value is an estimated quantity for detected analytes.

UJ - The analyte was checked for, but not detected. The associated value is an estimate.

TABLE 5B

QUALIFIED DATA DUE TO VIOLATION OF
PRESERVATION REQUIREMENTS
OLIN-WILMINGTON SITE
NOVEMBER/DECEMBER 1992 SAMPLING EVENT

Work Order	Analysis	Sample ID	Qualifier*
WA45029	VOC	W-921106-JM-047	J/UJ (aromatics)
		W-921105-JM-037	J/UJ (aromatics)
		W-921105-JM-038	J/UJ (aromatics)
WA46014	VOC	W-921110-JM-063	J/UJ (aromatics)
		W-921110-JM-064	J/UJ (aromatics)
		W-921111-JM-082	J/UJ (aromatics)

Notes:

* Sample data should be qualified as:

J - The associated value is an estimated quantity for detected analytes.

UJ - The analyte was checked for, but not detected. The associated value is an estimate.

TABLE 6

OUTLYING LABORATORY DUPLICATE RESULTS
OLIN-WILMINGTON SITE
NOVEMBER/DECEMBER 1992 SAMPLING EVENT

Work Order No.	Analysis	Parameter	Result 1	Result 2	RPD*	RPD Limits	Qualifier**	Sample ID
WA47027	Metals	Potassium	1.58	2.21	33	20	J/UJ	W-921117-JM-115
WA49009	Metals	Hexavalent Chrom	144	99.1	37	20	J/UJ	SED-921201-MJ-017
WA49017	Pest	4,4'-DDT	<53	160	NC***	NE****	J/UJ	SED-921201-MJ-017
		Endosulfan Sulfate	<53	190	NC***	NE****	J/UJ	SED-921201-MJ-017
WA49017	Pest	alpha-BHC	5.2	2.9	57	NE****	J/UJ	SED-921202-MJ-021
		Endrin Aldehyde	1.2	8.6	151	NE****	J/UJ	SED-921202-MJ-021

Notes:

* RPD - Relative Percent Difference

** Sample data should be qualified as:

NR - No qualification of the data was deemed necessary.

J - The associated value is an estimated quantity for detected analytes.

UJ - The analyte was checked for, but not detected. The associated value is an estimate.

*** Non-calculable

**** Limits not established.

TABLE 7

OUTLYING LABORATORY CONTROL SAMPLE RESULTS
OLIN-WILMINGTON SITE
NOVEMBER/DECEMBER 1992 SAMPLING EVENT

Prep-Anal Date	Analysis	Parameter	LCS %R	LCS DUP %R	Limits	RPD	RPD Limits	Qualifier*	Associated Samples
11/6;11/14	BNA	2,4-Dinitrotoluene	76.4	98.2	39-139	25	22	J/UJ	W-921104-JM-023
		Pentachlorophenol	40.4	72.1	14-150	56	42	J/UJ	W-921103-JM-022
									W-921104-JM-025
									W-921104-JM-027
11/6;11/14	BNA	Pentachlorophenol	40.4	72.1	14-150	56	42	J/UJ	W-921105-JM-034
									W-921105-JM-035
									W-921105-JM-036
									W-921105-JM-039
									W-921105-JM-040
									W-921105-JM-041
									W-921105-JM-042
									W-921105-JM-043
									W-921106-JM-044
									W-921106-JM-045
									W-921105-JM-037
									W-921105-JM-038
									W-921106-JM-046
									W-921106-JM-047

TABLE 7

OUTLYING LABORATORY CONTROL SAMPLE RESULTS
OLIN-WILMINGTON SITE
NOVEMBER/DECEMBER 1992 SAMPLING EVENT

Prep-Anal Date	Analysis	Parameter	LCS %R	LCS DUP %R	Limits	RPD	RPD Limits	Qualifier*	Associated Samples
11/9;11/19	BNA	Phenol	119	115	5-112	3.6	23	J/NR	W-921109-JM-050 W-921109-JM-053 W-921109-JM-054 W-921109-JM-055 W-921109-JM-056 W-921109-JM-057 W-921109-JM-058 W-921109-JM-059 W-921109-JM-060 W-921109-JM-061 W-921109-JM-062
11/18;11/21	BNA	Pyrene	123	119	52-115	3.3	18	J/NR	W-921116-JM-099 W-921116-JM-100 W-921116-JM-101 W-921116-JM-102 W-921116-JM-103 W-921116-JM-104 W-921116-JM-105 W-921116-JM-106 W-921116-JM-107 W-921116-JM-108
12/3;12/8	BNA	Pyrene	135	139	52-115	3.2	18	J/NR	W-921203-MJ-029

TABLE 7

OUTLYING LABORATORY CONTROL SAMPLE RESULTS
OLIN-WILMINGTON SITE
NOVEMBER/DECEMBER 1992 SAMPLING EVENT

Prep-Anal Date	Analysis	Parameter	LCS %R	LCS DUP %R	Limits	RPD	RPD Limits	Qualifier*	Associated Samples
12/15;12/16	Metals	Silver	56	NA	94.5-123	NA	NA	J/UJ	SED-921130-MJ-001 SED-921130-MJ-002 SED-921130-MJ-003 SED-921130-MJ-004 SED-921130-MJ-005
12/4	VOC	Toluene	91.6	117	62-126	24	20	J/UJ	W-921202-MJ028 TRIP BLK SED-921201-MJ-010

Notes:

* Sample data should be qualified as:

NR - No qualification of the data was deemed necessary.

J -The associated value is an estimated quantity for detected analytes.

UJ -The analyte was checked for, but not detected. The associated value is an estimate.

TABLE 8

OUTLYING MATRIX SPIKE SAMPLE RESULTS
OLIN-WILMINGTON SITE
NOVEMBER/DECEMBER 1992 SAMPLING EVENT

Analysis	Work Order	Compound	MS %R	MSD %R	%R Limits	RPD*	RPD Limits	Associated Samples	Qualifier**
Metals	WA46007	Hexavalent Chrom	0***	NA	80-120	NA	NA	W-921110-JM-063	NR
			27.5****	NA	80-120	NA	NA	W-921110-JM-064	J/R
Metals	WA46011	Hexavalent Chrom	0***	NA	80-120	NA	NA	W-921111-JM-079	NR
General Chemistry	WA46011	Nitrite	74.6	76.8	80-120	2.9	20	W-921111-JM-079	J/UJ
Metals	WA46014	Aluminum	0***	NA	80-120	NA	NA	W-921111-JM-079	NR
		Barium	6.1****	NA	80-120	NA	NA	W-921111-JM-079	J/R
		Beryllium	58.0****	NA	80-120	NA	NA	W-921111-JM-079	J/UJ
		Cadmium	40.0****	NA	80-120	NA	NA	W-921111-JM-079	J/UJ
		Calcium	150***	NA	80-120	NA	NA	W-921111-JM-069	NR
		Calcium	60.0***	NA	80-120	NA	NA	W-921111-JM-079	NR
		Chromium	0***	NA	80-120	NA	NA	W-921111-JM-079	NR
		Copper	0***	NA	80-120	NA	NA	W-921111-JM-079	NR
		Iron	0***	NA	80-120	NA	NA	W-921111-JM-079	NR
		Manganese	0***	NA	80-120	NA	NA	W-921111-JM-079	NR
		Nickel	40.0****	NA	80-120	NA	NA	W-921111-JM-079	J/UJ
		Potassium	21.0****	NA	80-120	NA	NA	W-921111-JM-079	J/R
		Silver	66.0****	NA	80-120	NA	NA	W-921111-JM-079	J/UJ
		Sodium	150***	NA	80-120	NA	NA	W-921111-JM-069	NR

TABLE 8

OUTLYING MATRIX SPIKE SAMPLE RESULTS
OLIN-WILMINGTON SITE
NOVEMBER/DECEMBER 1992 SAMPLING EVENT

Analysis	Work Order	Compound	MS %R	MSD %R	%R Limits	RPD*	RPD Limits	Associated Samples	Qualifier**
BNA	WA45017	Phenol	124	NA	12-89	NA	NA	W-921104-JM-023	J/NR
		1,4-Dichlorobenzene	101	NA	36-97	NA	NA	W-921104-JM-023	J/NR
		N-Nitroso-di-n-propylamine	145	NA	41-116	NA	NA	W-921104-JM-023	J/NR
		1,2,4-Trichlorobenzene	106	NA	39-98	NA	NA	W-921104-JM-023	J/NR
		4-Chloro-3-methylphenol	138	NA	23-97	NA	NA	W-921104-JM-023	J/NR
		4-Nitrophenol	156	NA	10-80	NA	NA	W-921104-JM-023	J/NR
		2,4-Dinitrotoluene	121	NA	24-96	NA	NA	W-921104-JM-023	J/NR
		Pentachlorophenol	131	NA	9-103	NA	NA	W-921104-JM-023	J/NR
		Pyrene	113	NA	26-127	NA	NA	W-921104-JM-023	J/NR
Metals	WA45029	Iron	122***	NA	80-120	NA	NA	W-921106-JM-049	NR
		Selenium	140****	NA	80-120	NA	NA	W-921105-JM-034	J/NR
		Thallium	66****	NA	80-120	NA	NA	W-921105-JM-034	J/UJ
Metals	WA46005	Sodium	130***	NA	80-120	NA	NA	W-921109-JM-050	NR
		Lead	70.0****	NA	80-120	NA	NA	W-921109-JM-050	J/UJ
		Selenium	0****	NA	80-120	NA	NA	W-921109-JM-050	J/R
		Thallium	70.0****	NA	80-120	NA	NA	W-921109-JM-050	J/UJ
BNA	WA46005	1,2,4-Trichlorobenzene	105	NA	39-98	NA	NA	W-921109-JM-050	J/NR
		4-Chloro-3-methylphenol	107	NA	23-97	NA	NA	W-921109-JM-050	J/NR
		4-Nitrophenol	114	NA	10-80	NA	NA	W-921109-JM-050	J/NR
		Pentachlorophenol	129	NA	9-103	NA	NA	W-921109-JM-050	J/NR

TABLE 8

OUTLYING MATRIX SPIKE SAMPLE RESULTS
OLIN-WILMINGTON SITE
NOVEMBER/DECEMBER 1992 SAMPLING EVENT

Analysis	Work Order	Compound	MS %R	MSD %R	%R Limits	RPD*	RPD Limits	Associated Samples	Qualifier**
Metals	WA46007	Hexavalent Chrom	0***	NA	80-120	NA	NA	W-921110-JM-063	NR
			27.5****	NA	80-120	NA	NA	W-921110-JM-064	J/R
Metals	WA46011	Hexavalent Chrom	0***	NA	80-120	NA	NA	W-921111-JM-079	NR
General Chemistry	WA46011	Nitrite	74.6	76.8	80-120	2.9	20	W-921111-JM-079	J/UJ
Metals	WA46014	Aluminum	0***	NA	80-120	NA	NA	W-921111-JM-079	NR
		Barium	6.1****	NA	80-120	NA	NA	W-921111-JM-079	J/R
		Beryllium	58.0****	NA	80-120	NA	NA	W-921111-JM-079	J/UJ
		Cadmium	40.0****	NA	80-120	NA	NA	W-921111-JM-079	J/UJ
		Calcium	150***	NA	80-120	NA	NA	W-921111-JM-069	NR
		Calcium	60.0***	NA	80-120	NA	NA	W-921111-JM-079	NR
		Chromium	0***	NA	80-120	NA	NA	W-921111-JM-079	NR
		Copper	0***	NA	80-120	NA	NA	W-921111-JM-079	NR
		Iron	0***	NA	80-120	NA	NA	W-921111-JM-079	NR
		Manganese	0***	NA	80-120	NA	NA	W-921111-JM-079	NR
		Nickel	40.0****	NA	80-120	NA	NA	W-921111-JM-079	J/UJ
		Potassium	21.0****	NA	80-120	NA	NA	W-921111-JM-079	J/R
		Silver	66.0****	NA	80-120	NA	NA	W-921111-JM-079	J/UJ
		Sodium	150***	NA	80-120	NA	NA	W-921111-JM-069	NR

TABLE 8

OUTLYING MATRIX SPIKE SAMPLE RESULTS
OLIN-WILMINGTON SITE
NOVEMBER/DECEMBER 1992 SAMPLING EVENT

Analysis	Work Order	Compound	MS %R	MSD %R	%R Limits	RPD*	RPD Limits	Associated Samples	Qualifier**
Metals (Cont'd)		Sodium	0***	NA	80-120	NA	NA	W-921111-JM-079	NR
		Vanadium	62.6****	NA	80-120	NA	NA	W-921111-JM-079	J/UJ
		Zinc	20.0***	NA	80-120	NA	NA	W-921111-JM-079	NR
		Antimony	0****	NA	80-120	NA	NA	W-921111-JM-079	J/R
		Arsenic	0*****	NA	80-120	NA	NA	W-921111-JM-079	J/R
		Arsenic	0*****	NA	80-120	NA	NA	W-921110-JM-064	J/R
		Lead	0*****	NA	80-120	NA	NA	W-92111-JM-069	J/R
		Lead	0*****	NA	80-120	NA	NA	W-92111-JM-079	J/R
		Lead	0*****	NA	80-120	NA	NA	W-921110-JM-064	J/R
		Selenium	150****	NA	80-120	NA	NA	W-921111-JM-069	J/NR
		Selenium	0*****	NA	80-120	NA	NA	W-921111-JM-079	J/R
		Selenium	0*****	NA	80-120	NA	NA	W-921110-JM-064	J/R
		Thallium	0*****	NA	80-120	NA	NA	W-921111-JM-079	J/R
		Thallium	0*****	NA	80-120	NA	NA	W-921110-JM-064	J/R
		Mercury	138****	NA	80-120	NA	NA	W-921111-JM-079	J/NR
General Chemistry	WA46014	Ammonia	762***	0***	80-120	200	20	W-921111-JM-079	NR
BNA	WA46014	Phenol	115	NA	12-89	NA	NA	W-921111-JM-069	J/NR
		N-Nitroso-di-n-propylamine	121	NA	41-116	NA	NA	W-921111-JM-069	J/NR
		1,2,4-Trichlorobenzene	102	NA	39-98	NA	NA	W-921111-JM-069	J/NR
		4-Chloro-3-methylphenol	101	NA	23-97	NA	NA	W-921111-JM-069	J/NR
		4-Nitrophenol	108	NA	10-80	NA	NA	W-921111-JM-069	J/NR
		Pentachlorophenol	113	NA	9-103	NA	NA	W-921111-JM-069	J/NR

TABLE 8

OUTLYING MATRIX SPIKE SAMPLE RESULTS
OLIN-WILMINGTON SITE
NOVEMBER/DECEMBER 1992 SAMPLING EVENT

Analysis	Work Order	Compound	MS %R	MSD %R	%R Limits	RPD*	RPD Limits	Associated Samples	Qualifier**
BNA	WA46014	Phenol	115	NA	12-89	NA	NA	W-921111-JM-079	J/NR
		1,4-Dichlorobenzene	108	NA	36-97	NA	NA	W-921111-JM-079	J/NR
		N-Nitroso-di-n-propylamine	118	NA	41-116	NA	NA	W-921111-JM-079	J/NR
		1,2,4-Trichlorobenzene	107	NA	39-98	NA	NA	W-921111-JM-079	J/NR
		4-Chloro-3-methylphenol	118	NA	23-97	NA	NA	W-921111-JM-079	J/NR
		4-Nitrophenol	241	NA	10-80	NA	NA	W-921111-JM-079	J/NR
		Pentachlorophenol	118	NA	9-103	NA	NA	W-921111-JM-079	J/NR
Metals	WA46019	Hexavalent Chrom	16.4****	NA	80-120	NA	NA	W-921112-JM-093	J/R
			6.2****	NA	80-120	NA	NA	W-921112-JM-091	J/R
Metals	WA46021	Antimony	68.0****	NA	80-120	NA	NA	W-921112-JM-086	J/UJ
		Selenium	140****	NA	80-120	NA	NA	W-921113-JM-095	J/NR
		Thallium	132****	NA	80-120	NA	NA	W-921113-JM-095	J/NR
General Chemistry	WA46021	Sulfate	75****	NA	80-120	NA	NA	W-921112-JM-094	J/UJ
Metals	WA47008	Hexavalent Chrom	11.6****	NA	80-120	NA	NA	W-921116-JM-100	J/R
			0****	NA	80-120	NA	NA	W-921116-JM-101	J/R
General Chemistry	WA47008	Nitrite	0****	NA	80-120	NA	NA	W-921116-JM-101	J/R

TABLE 8

OUTLYING MATRIX SPIKE SAMPLE RESULTS
OLIN-WILMINGTON SITE
NOVEMBER/DECEMBER 1992 SAMPLING EVENT

Analysis	Work Order	Compound	MS %R	MSD %R	%R Limits	RPD*	RPD Limits	Associated Samples	Qualifier**
Metals	WA47011	Magnesium	70.0****	NA	80-120	NA	NA	W-921116-JM-108	J/UJ
		Potassium	78.2****	NA	80-120	NA	NA	W-921116-JM-108	J/UJ
		Sodium	0***	NA	80-120	NA	NA	W-921116-JM-108	NR
		Selenium	140****	NA	80-120	NA	NA	W-921116-JM-103	J/NR
General Chemistry	WA47011	Ammonia	0***	1680***	80-120	200	20	W-921116-JM-106	NR
Metals	WA47027	Magnesium	0***	NA	80-120	NA	NA	W-921119-JM-129	NR
		Manganese	0***	NA	80-120	NA	NA	W-921119-JM-129	NR
		Nickel	72.0****	NA	80-120	NA	NA	W-921119-JM-129	J/UJ
		Potassium	135****	NA	80-120	NA	NA	W-921117-JM-109	J/NR
		Potassium	125****	NA	80-120	NA	NA	W-921117-JM-115	J/NR
		Potassium	71.0****	NA	80-120	NA	NA	W-921119-JM-129	J/UJ
		Silver	48.0****	NA	80-120	NA	NA	W-921117-JM-109	J/UJ
		Silver	64.0****	NA	80-120	NA	NA	W-921117-JM-115	J/UJ
		Silver	72.0****	NA	80-120	NA	NA	W-921119-JM-129	J/UJ
		Sodium	400***	NA	80-120	NA	NA	W-921119-JM-129	NR
		Zinc	76.8****	NA	80-120	NA	NA	W-921119-JM-129	J/UJ
		Antimony	62.0****	NA	80-120	NA	NA	W-921117-JM-109	J/UJ
		Antimony	121****	NA	80-120	NA	NA	W-921119-JM-129	NR
		Selenium	140****	NA	80-120	NA	NA	W-921117-JM-109	J/NR
		Selenium	140****	NA	80-120	NA	NA	W-921117-JM-115	J/NR

TABLE 8

OUTLYING MATRIX SPIKE SAMPLE RESULTS
OLIN-WILMINGTON SITE
NOVEMBER/DECEMBER 1992 SAMPLING EVENT

Analysis	Work Order	Compound	MS %R	MSD %R	%R Limits	RPD*	RPD Limits	Associated Samples	Qualifier**
Metals (Cont'd)		Selenium	130****	NA	80-120	NA	NA	W-921119-JM-129	J/NR
		Thallium	74.0****	NA	80-120	NA	NA	W-921119-JM-129	J/UJ
		Barium	41.8****	NA	80-120	NA	NA	W-921119-JM-129	J/UJ
		Beryllium	76.0****	NA	80-120	NA	NA	W-921119-JM-129	J/UJ
		Calcium	0***	NA	80-120	NA	NA	W-921119-JM-129	NR
		Chromium	65.5****	NA	80-120	NA	NA	W-921119-JM-129	J/UJ
		Cobalt	70.6****	NA	80-120	NA	NA	W-921119-JM-129	J/UJ
General Chemistry	WA47027	Ammonia	720***	0***	80-120	200	20	W-921118-JM-127	NR
VOC	WA47027	Trichloroethene	132	NA	71-120	NA	NA	W-921117-JM-115	J/NR
		Benzene	134	NA	76-127	NA	NA	W-921117-JM-115	J/NR
BNA	WA47027	Phenol	101	NA	12-89	NA	NA	W-921117-JM-115	J/NR
		4-Chloro-3-methylphenol	102	NA	23-97	NA	NA	W-921117-JM-115	J/NR
Metals	WA49006	Mercury	65.0****	NA	80-120	NA	NA	SED-921130-MJ-001	J/UJ
Metals	WA49009	Hexavalent Chrom	42.0****	NA	80-120	NA	NA	W-921201-MJ-017	J/UJ
Metals	WA49009	Hexavalent Chrom	0****	NA	80-120	NA	NA	SED-921201-MJ-017	J/R

TABLE 8

OUTLYING MATRIX SPIKE SAMPLE RESULTS
OLIN-WILMINGTON SITE
NOVEMBER/DECEMBER 1992 SAMPLING EVENT

Analysis	Work Order	Compound	MS %R	MSD %R	%R Limits	RPD*	RPD Limits	Associated Samples	Qualifier**
Metals	WA49016	Hexavalent Chrom	30.0****	NA	80-120	NA	NA	SED-921202-MJ-021	J/UJ
Metals	WA51044	Potassium	161****	NA	80-120	NA	NA	W-921217-JM-131	J/NR
		Silver	0****	NA	80-120	NA	NA	W-921217-JM-131	J/R
		Selenium	130****	NA	80-120	NA	NA	W-921217-JM-130	J/NR
Metals	WA52002	Calcium	51.0***	NA	80-120	NA	NA	W-921218-JM-133	NR
		Magnesium	75.0****	NA	80-120	NA	NA	W-921218-JM-133	J/UJ
		Selenium	140****	NA	80-120	NA	NA	W-921218-JM-133	J/NR
Metals	WA49017	Copper	138****	NA	80-120	NA	NA	W-921201-MJ-017	J/NR
		Nickel	142****	NA	80-120	NA	NA	W-921201-MJ-017	J/NR
		Sodium	130***	NA	80-120	NA	NA	W-921201-MJ-017	NR
		Sodium	0***	NA	80-120	NA	NA	W-921202-MJ-021	NR
		Zinc	153****	NA	80-120	NA	NA	W-921201-MJ-017	J/NR
		Arsenic	70.0****	NA	80-120	NA	NA	W-921201-MJ-017	J/UJ
		Arsenic	72.5****	NA	80-120	NA	NA	W-921202-MJ-021	J/UJ
		Selenium	140****	NA	80-120	NA	NA	W-921201-MJ-017	J/NR
		Selenium	160****	NA	80-120	NA	NA	W-921202-MJ-021	J/NR
		Aluminum	583***	NA	80-120	NA	NA	SED-921201-MJ-017	NR
		Aluminum	0***	NA	80-120	NA	NA	SED-921202-MJ-021	NR
		Antimony	0****	NA	80-120	NA	NA	SED-921201-MJ-017	J/R
		Antimony	0****	NA	80-120	NA	NA	SED-921202-MJ-021	J/R
		Barium	6.78****	NA	80-120	NA	NA	SED-921202-MJ-021	J/R

TABLE 8

OUTLYING MATRIX SPIKE SAMPLE RESULTS
OLIN-WILMINGTON SITE
NOVEMBER/DECEMBER 1992 SAMPLING EVENT

Analysis	Work Order	Compound	MS %R	MSD %R	%R Limits	RPD*	RPD Limits	Associated Samples	Qualifier**
Metals (Cont'd)		Chromium	0***	NA	80-120	NA	NA	SED-921201-MJ-017	NR
		Chromium	0***	NA	80-120	NA	NA	SED-921202-MJ-021	NR
		Copper	61.4****	NA	80-120	NA	NA	SED-921202-MJ-021	J/UJ
		Iron	1000***	NA	80-120	NA	NA	SED-921201-MJ-017	NR
		Iron	0***	NA	80-120	NA	NA	SED-921202-MJ-021	NR
		Selenium	167****	NA	80-120	NA	NA	SED-921202-MJ-021	J/NR
General Chemistry	WA49017	Ammonia	116	70.8	80-120	48	20	SED-921202-MJ-021	J/UJ
Pest	WA49017	Endrin	176	NA	30-147	NA	NA	SED-921201-MJ-017	J/NR
		4,4'-DDT	1150	NA	25-160	NA	NA	SED-921201-MJ-017	J/NR
BNA	WA49017	Phenol	106	NA	12-89	NA	NA	W-921201-MJ-017	J/NR
		1,4-Dichlorobenzene	105	NA	36-97	NA	NA	W-921201-MJ-017	J/NR
		1,2,4-Trichlorobenzene	102	NA	39-98	NA	NA	W-921201-MJ-017	J/NR
		4-Chloro-3-methylphenol	111	NA	23-97	NA	NA	W-921201-MJ-017	J/NR
		4-Nitrophenol	107	NA	10-80	NA	NA	W-921201-MJ-017	J/NR
		Pentachlorophenol	141	NA	9-103	NA	NA	W-921201-MJ-017	J/NR
BNA	WA49017	Phenol	96.7	NA	12-89	NA	NA	W-921202-MJ-021	J/NR
		1,2,4-Trichlorobenzene	112	NA	39-98	NA	NA	W-921202-MJ-021	J/NR
		4-Chloro-3-methylphenol	102	NA	23-97	NA	NA	W-921202-MJ-021	J/NR
		Pentachlorophenol	128	NA	9-103	NA	NA	W-921202-MJ-021	J/NR

TABLE 8

OUTLYING MATRIX SPIKE SAMPLE RESULTS
OLIN-WILMINGTON SITE
NOVEMBER/DECEMBER 1992 SAMPLING EVENT

Analysis	Work Order	Compound	MS %R	MSD %R	%R Limits	RPD*	RPD Limits	Associated Samples	Qualifier**
BNA	WA49017	4-Nitrophenol	0	NA	11-114	NA	NA	SED-921201-MJ-017	J/R

Notes:

** Sample data should be qualified as:
NR - No qualification of the data was deemed necessary.
J -The associated value is an estimated quantity for detected analytes.
UJ -The analyte was checked for, but not detected. The associated value is an estimate.
R - The data are unusable.

*** Matrix spike recovery was reported to be outside the laboratory specified range. The spike concentration was significantly below the sample concentration and could not be distinguished from the sample's analytical signal.

**** Matrix spike recovery was reported to be outside the laboratory specified range indicating potential sample matrix interference and potential bias of reported value for this parameter.

***** Matrix spike analysis could not be quantified due to severe matrix interferences.

TABLE 9

OUTLYING FIELD DUPLICATE SAMPLE RESULTS
OLIN-WILMINGTON SITE
NOVEMBER/DECEMBER 1992 SAMPLING EVENT

W-921111-JM-065/066

Analysis	Parameter	Result 1 (mg/L)	Result 2 (mg/L)	RPD*	Qualifier**
Metals	Chromium	420	240	55	J
Metals	Zinc	3.6	2	57	J
Metals	Nickel	1.7	0.94	58	J
Metals	Cobalt	2.0	1.1	58	J
Metals	Manganese	76	39	64	J
Metals	Iron	1100	500	75	J
General Chemistry	Ammonia	2.4	0.81	99	J

W-921202-MJ-021/022

Analysis	Parameter	Result 1 (mg/L)	Result 2 (mg/L)	RPD*	Qualifier**
Metals	Chromium	2.8	1.5	60	J
Metals	Aluminum	17	8.1	71	J

W-921118-JM-124/125

Analysis	Parameter	Result 1 (mg/L)	Result 2 (mg/L)	RPD*	Qualifier**
Metals	Calcium	34	18	62	J
Metals	Manganese	1.0	0.52	63	J
General Chemistry	Sulfate	30	7.5	120	J

W-921110-JM-064/067

Analysis	Parameter	Result 1 (mg/L)	Result 2 (mg/L)	RPD*	Qualifier**
General Chemistry	Sulfate	31000	15000	70	J
General Chemistry	Ammonia	10	4.8	70	J
VOC	Acetone	370 ug/L	63 ug/L	142	J

Notes:

* RPD - Relative Percent Difference

** Sample data should be qualified as:

J -The associated value is an estimated quantity for detected analytes.

CRA
1801 Old Highway 8, Suite #114
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(612) 639-0913

M E M O

TO: Ed Roberts

REFERENCE NO. 3683

FROM: Ruth Lewis

DATE: February 17, 1993

RE: Data Quality Assessment and Validation for Water and Sediment Samples Collected during the January 1993 Sampling Event at the Olin Site in Wilmington, Massachusetts

---

The following details a data quality assessment and validation for water and sediment samples collected during the January 1993 sampling event at the Olin Site in Wilmington, Massachusetts. All analyses were performed by Coast-to-Coast Analytical Services, Inc. of Westbrooke, Maine. The quality assurance criteria were established in the associated Quality Assurance Project Plan (QAPP)[1]. The samples were analyzed for parameters listed in Table 1. The samples were identified as W-930107-JM-134, W-930107-JM-135 and SED-930107-MJ-001.

Method Blank Samples

Contamination of the samples contributed by laboratory conditions or procedures was monitored by the concurrent preparation and analysis of method blank samples. Method blank samples yielded positive concentrations for target analytes listed in Table 2. As a result, associated sample data should be qualified as non-detect (U). A summary of these samples appears in Table 2.

Surrogate Compound Percent Recoveries (Surrogate Recoveries)

Individual sample performance for organic analyses (VOC, BNA, Pesticides) was monitored by surrogate recoveries. The surrogate recoveries for the analyses were within acceptance criteria.

---

[1] Application of quality assurance criteria was consistent with "National Functional Guidelines for Organic Data Review", December 1990 (Revised June 1991) and "Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses", July 1988.

Holding Time Requirements

Holding time periods for the analyses are listed in Table 1. On the basis of sample collection dates on the chain-of-custody forms and analytical reports provided by the laboratory, the extractions and analyses were completed within the specified holding time period.

Laboratory Duplicate Analysis

Laboratory precision for the event was measured using laboratory duplicate samples for organic and inorganic analyses. Based on relative percent difference (RPD) data, the majority of positive results for these analyses exhibited acceptable precision. Table 3 lists the outlying laboratory duplicate results. Associated sample data should be qualified as noted in the table.

Laboratory Control Sample (LCS) Percent Recoveries

To assess the long term accuracy and precision of the laboratory procedures, LCS percent recoveries and RPD of the recoveries were determined. LCS or LCS/LCS duplicate analyses were performed for organic and inorganic analyses. The percent recovery and RPD data were within acceptance criteria, indicating an adequate level of accuracy and precision was achieved.

Matrix Spike Sample Results

To assess the long term accuracy and precision of the analytical method on various matrices, matrix spike percent recoveries and RPD of the recoveries were determined. Matrix spike or matrix spike/matrix spike duplicate analyses were performed for organic and inorganic analyses. Table 4 lists the outlying matrix spike sample results. Associated sample data should be qualified as noted in the table. The remaining percent recovery and RPD data were within acceptance criteria, indicating an adequate level of accuracy and precision was achieved.

Field QA/QC

There were no field QA/QC samples associated with this sampling event.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and may be used with the specific qualifications noted.

Enc.
cc: Steve Day
Bob Martin

RL/jm

TABLE 1

SUMMARY OF ANALYTICAL PARAMETERS
OLIN-WILMINGTON SITE
JANUARY 1993 SAMPLING EVENT

Analysis - Method*	Holding Time**
Target Compound List Volatile Organic Compounds (TCL VOC) plus Trimethylpentenes - SW 8240	14 days
Target Compound List Base-Neutral/Acid Extractable Organic Compounds (TCL BNA) - SW 8270	7-14/40 days***
Target Compound List Pesticides - SW 8080	7-14/40 days***
Target Analyte List Metals (TAL Metals) - SW 6010/7000 series and EPA 200 series	6 months (28 days-Mercury)
Chloride - EPA 325.2/SW 9251 modified	28 days
Ammonia - EPA 350.1	28 days
Sulfate - EPA 375.4/SW 9038 modified	28 days
Total Residue - CLP CIP, 103-105c	7 days

Notes:

* Methods were derived from:

SW - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, 3rd edition, November 1986.

EPA - "Methods for Chemical Analysis of Water and Wastes", EPA 600/4-79-020, revised March 1983.

CLP - Contract Laboratory Program Caucus Inorganic Protocols, Statement of Work (July 1988).

** Holding time periods are based from sample collection date to sample analysis date.

*** Seven (water)-Fourteen (soil/sediment) days from sample collection to extraction; 40 days from extraction to completion of analysis.

TABLE 2

SUMMARY OF ANALYTES
DETECTED IN METHOD BLANKS
OLIN-WILMINGTON SITE
JANUARY 1993 SAMPLING EVENT

Work Order No.	Analysis	Parameter	Associated Samples	Qualifier*
WJ0019	VOC	Acetone	W-930107-JM-135	15U
			SED-930107-MJ-001	130U
WJ0019	VOC	Methylene Chloride	W-930107-JM-134	10U
			W-930107-JM-135	10U
			SED-930107-MJ-001	30U
WJ0019	VOC	Xylenes	W-930107-JM-134	5U
			W-930107-JM-135	6U
			SED-930107-MJ-001	20U
WJ0019	VOC	Ethylbenzene	SED-930107-MJ-001	20U
WJ0019	BNA	Di-n-Butylphthalate	SED-930107-MJ-001	5800U

Note:

* Sample data should be qualified as non-detect (U) with the associated value being the quantitation limit.

TABLE 3

OUTLYING LABORATORY DUPLICATE RESULTS
OLIN-WILMINGTON SITE
JANUARY 1993 SAMPLING EVENT

Work Order No.	Analysis	Parameter	Result 1	Result 2	RPD*	RPD Limits	Qualifier**	Sample ID
WJ0019	Metals	Cobalt	23.1	33.5	37	30	J/UJ	SED-930107-MJ-001
		Manganese	781	561	33	30	J/UJ	SED-930107-MJ-001

Notes:

* RPD - Relative Percent Difference

** Sample data should be qualified as:

NR - No qualification of the data was deemed necessary.

J - The associated value is an estimated quantity for detected analytes.

UJ - The analyte was checked for, but not detected. The associated value is an estimate.

TABLE 4

OUTLYING MATRIX SPIKE SAMPLE RESULTS
OLIN-WILMINGTON SITE
JANUARY 1993 SAMPLING EVENT

Analysis	Work Order	Parameter	MS %R	MSD %R	%R Limits	RPD*	RPD Limits	Associated Samples	Qualifier**
Metals	WJ0019	Chromium	1550***	NA	70-130	NA	NA	SED-930107-MJ-001	NR
		Iron	1650***	NA	70-130	NA	NA	SED-930107-MJ-001	NR
		Manganese	65***	NA	70-130	NA	NA	W-930107-JM-135	NR
		Arsenic	50***	NA	70-130	NA	NA	SED-930107-MJ-001	NR
		Selenium	166****	NA	70-130	NA	NA	SED-930107-MJ-001	J/NR
		Thallium	NC*****	NA	70-130	NA	NA	SED-930107-MJ-001	J/R
		Lead	NC*****	NA	70-130	NA	NA	W-930107-JM-134	J/R
		Selenium	NC*****	NA	70-130	NA	NA	W-930107-JM-134	J/R
		Thallium	184****	NA	70-130	NA	NA	W-930107-JM-134	J/NR
		Aluminum	1325***	NA	70-130	NA	NA	SED-930107-MJ-001	NR

Notes:

* RPD - Relative Percent Difference

** Sample data should be qualified as:
NR - No qualification of the data was deemed necessary.
J -The associated value is an estimated quantity for detected analytes.
UJ -The analyte was checked for, but not detected. The associated value is an estimate.
R - The data are unusable.

*** Matrix spike recovery was reported to be outside the laboratory specified range.
The spike concentration was significantly below the sample concentration and could not be distinguished from the sample's analytical signal.

**** Matrix spike recovery was reported to be outside the laboratory specified range indicating potential sample matrix interference and potential bias of reported value for this parameter.

***** NC - Not calculated; the matrix spike recovery could not be calculated since the sample result was reported to be less than the PQL.

CRA
1801 Old Highway 8, Suite #114
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M E M O

TO: Ed Roberts

REFERENCE NO. 3683

FROM: Ruth Lewis

DATE: May 17, 1993

RE: Data Quality Assessment and Validation for Groundwater, Surface Water and Sediment Samples Collected during the March 1993 Sampling Event at the Olin Site in Wilmington, Massachusetts

---

The following details a data quality assessment and validation for groundwater, surface water and sediment samples collected during the March 1993 sampling event at the Olin Site in Wilmington, Massachusetts. The samples identified in Table 1 were analyzed for multiple parameters listed in Table 2. Groundwater samples were analyzed for viscosity, total dissolved solids (TDS) and specific gravity. Surface water and sediment samples were analyzed for the remaining parameters listed in the table. All analyses were performed by Coast-to-Coast Analytical Services, Inc. of Westbrooke, Maine. The quality assurance criteria were established in the associated Quality Assurance Project Plan (QAPP)[1].

Method Blank Samples

Contamination of the samples contributed by laboratory conditions or procedures was monitored by the concurrent preparation and analysis of method blank samples. Method blank samples yielded positive concentrations for target analytes listed in Table 3. As a result, associated sample data should be qualified as non-detect (U). A summary of these samples appears in Table 3.

Surrogate Compound Percent Recoveries (Surrogate Recoveries)

Individual sample performance for organic analyses (VOC, BNA, Pesticides) was monitored by surrogate recoveries. The surrogate recoveries for the analyses were within acceptance criteria.

---

[1] Application of quality assurance criteria was consistent with "National Functional Guidelines for Organic Data Review", December 1990 (Revised June 1991) and "Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses", July 1988.

Holding Time and Preservation Requirements

Holding time periods for the analyses are listed in Table 2. On the basis of sample collection dates on the chain-of-custody forms and analytical reports provided by the laboratory, the extractions and analyses were completed within the specified holding time period.

The pH for preserved samples was reported to be below the maximum pH for VOC and metals analysis when measured at the laboratory.

Laboratory Duplicate Analysis

Laboratory precision for the event was measured using laboratory duplicate samples for the analyses. Based on relative percent difference (RPD) data, the majority of positive results for these analyses exhibited acceptable precision. Table 4 lists the outlying laboratory duplicate results. Associated sample data should be qualified as noted in the table.

Laboratory Control Sample (LCS) Percent Recoveries

To assess the long term accuracy and precision of the laboratory procedures, LCS percent recoveries and RPD of the recoveries were determined. LCS or LCS/LCS duplicate analyses were performed for organic and inorganic analyses. Table 5 lists the outlying LCS results. Associated sample data should be qualified as noted in the table. The remaining percent recovery and RPD data were within acceptance criteria, indicating an adequate level of accuracy and precision was achieved.

Matrix Spike Sample Results

To assess the long term accuracy and precision of the analytical method on various matrices, matrix spike percent recoveries and RPD of the recoveries were determined. Matrix spike or matrix spike/matrix spike duplicate analyses were performed for organic and inorganic analyses. Table 6 lists the outlying matrix spike sample results. Associated sample data should be qualified as noted in the table. The remaining percent recovery and RPD data were within acceptance criteria, indicating an adequate level of accuracy and precision was achieved.

Field QA/QC

There were no field QA/QC samples associated with the sampling event.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and may be used with the specific qualifications noted.

Enc.
cc: Steve Day
Bob Martin

RL/jm

TABLE 1

SUMMARY OF SAMPLE IDENTIFICATION NUMBERS
OLIN-WILMINGTON SITE
MARCH 1993 SAMPLING EVENT

W-930324-JM-01
W-930324-JM-02
W-930324-JM-03
W-930324-JM-04
W-930324-JM-05
SW-930325-JM-01
SW-930325-JM-02
SW-930325-JM-03
SW-930325-JM-04
S-930325-JM-01
S-930325-JM-02
S-930325-JM-03

TABLE 2

SUMMARY OF ANALYTICAL PARAMETERS
OLIN-WILMINGTON SITE
MARCH 1993 SAMPLING EVENT

Analysis - Method*	Holding Time**
Target Compound List Volatile Organic Compounds (TCL VOC) plus Trimethylpentenes - SW 8240	14 days
Target Compound List Base-Neutral/Acid Extractable Organic Compounds (TCL BNA) - SW 8270	7-14/40 days***
Target Compound List Pesticides - SW 8080	7-14/40 days***
Target Analyte List Metals (TAL Metals) - SW 6010/7000 series and EPA 200 series	6 months (28 days-Mercury)
Chloride - EPA 325.2/SW 9251 modified	28 days
Ammonia - EPA 350.1	28 days
Sulfate - EPA 375.4/SW 9038 modified	28 days
Total Residue - CLP CIP, 103-105c	7 days
Specific Gravity - ASTM D-1429	Not Applicable
Total Dissolved Solids (TDS) - EPA 160.1	7 days
Viscosity - ASTM D445	Not Applicable

NOTES:

* Methods were derived from:
SW - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, 3rd edition, November 1986.
EPA - "Methods for Chemical Analysis of Water and Wastes", EPA 600/4-79-020, revised March 1983.
CLP - Contract Laboratory Program Caucus Inorganic Protocols, Statement of Work (July 1988).
ASTM - American Society of Testing Materials, 1988.

** Holding time periods are based from sample collection date to sample analysis date.

*** Seven (water)-Fourteen (soil) days from sample collection to extraction; 40 days from extraction to completion of analysis.

TABLE 3

SUMMARY OF ANALYTES
DETECTED IN METHOD BLANKS
OLIN-WILMINGTON SITE
MARCH 1993 SAMPLING EVENT

Work Order No.	Analysis	Parameter	Blank Concentration	Associated Samples	Qualifier*
WJ0331	VOC	Acetone	3 ug/L	SW-930325-JM-01	15U
				SW-930325-JM-02	15U
				SW-930325-JM-03	15U
				SW-930325-JM-04	15U

NOTE:

* Sample data should be qualified as non-detect (U) with the associated value being the quantitation limit.

TABLE 4

OUTLYING LABORATORY DUPLICATE RESULTS
OLIN-WILMINGTON SITE
MARCH 1993 SAMPLING EVENT

Work Order No.	Analysis	Parameter	RPD*	RPD Limits	Qualifier**	Sample ID
WJ0331	Metals	Chromium	29	20	J/UJ	S-930325-JM-03
		Lead	23	20	J/UJ	S-930325-JM-03
		Magnesium	26	20	J/UJ	S-930325-JM-03
WJ0331	General Chemistry	Ammonia	30	20	J/UJ	S-930325-JM-01

Notes:

* RPD - Relative Percent Difference

** Sample data should be qualified as:

J - The associated value is an estimated quantity for detected analytes.

UJ - The analyte was checked for, but not detected. The associated value is an estimate.

TABLE 5

OUTLYING LABORATORY CONTROL SAMPLE RESULTS
OLIN-WILMINGTON SITE
MARCH 1993 SAMPLING EVENT

Prep-Anal Date	Analysis	Parameter	LCS %R	LCS DUP %R	Limits	RPD	RPD Limits	Qualifier*	Associated Samples
4/20-4/22	General Chemistry	Ammonia	138	NA	80-120	NA	NA	J/NR	S-930325-JM-01 S-930325-JM-02 S-930325-JM-03

* Sample data should be qualified as:

J - The associated value is an estimated quantity for detected analytes.
NR - No qualification of the data was deemed necessary.

TABLE 6

OUTLYING MATRIX SPIKE SAMPLE RESULTS
OLIN-WILMINGTON SITE
MARCH 1993 SAMPLING EVENT

Work Order	Analysis	Parameter	MS %R	MSD %R	%R Limits	RPD*	RPD Limits	Associated Samples	Qualifier**
WJ0331	Metals	Antimony	59***	NA	75-125	NA	NA	SW-930325-JM-01	J/UJ
		Aluminum	278****	NA	75-125	NA	NA	S-930325-JM-03	NR
		Chromium	185****	NA	75-125	NA	NA	S-930325-JM-03	NR
		Iron	-700****	NA	75-125	NA	NA	S-930325-JM-03	NR
		Manganese	158****	NA	75-125	NA	NA	S-930325-JM-03	NR
		Arsenic	37.5****	NA	75-125	NA	NA	S-930325-JM-03	NR
		Selenium	0*****	NA	75-125	NA	NA	S-930325-JM-03	J/R
		Thallium	137***	NA	75-125	NA	NA	S-930325-JM-03	J/NR
		Mercury	62.0***	NA	75-125	NA	NA	S-930325-JM-02	J/UJ
WJ0331	General Chemistry	Ammonia	113	146***	75-125	25	20	S-930325-JM-01	J/NR

Notes:

** Sample data should be qualified as:

NR - No qualification of the data was deemed necessary.

J -The associated value is an estimated quantity for detected analytes.

UJ -The analyte was checked for, but not detected. The associated value is an estimate.

*** Matrix spike recovery was reported to be outside the laboratory specified range indicating potential sample matrix interference and potential bias of reported value for this parameter.

**** Matrix spike recovery was reported to be outside the laboratory specified range. The spike concentration was significantly below the sample concentration and could not be distinguished from the sample's analytical signal.

***** Matrix spike analysis could not be quantified due to severe matrix interferences.

CRA
1801 Old Highway 8, Suite #114
St. Paul, Minnesota 55112
(612) 639-0913

M E M O

TO: Ed Roberts

REFERENCE NO. 3683

FROM: Ruth Lewis

DATE: June 10, 1993

RE: Data Quality Assessment and Validation for Water, Sediment and Soil Samples Collected during the April/May 1993 Sampling Events at the Olin Site in Wilmington, Massachusetts

---

The following details a data quality assessment and validation for groundwater, surface water and sediment samples collected during the April/May 1993 sampling events at the Olin Site in Wilmington, Massachusetts. The samples identified in Table 1 were analyzed for multiple parameters listed in Table 2. Water, sediment and composite soil samples were analyzed for all parameters listed in the table, with the exception of hexavalent chromium. One soil sample (S-930422-MJ-002) was analyzed for total and hexavalent chromium only. All analyses were performed by Coast-to-Coast Analytical Services, Inc. of Westbrooke, Maine. The quality assurance criteria were established in the associated Quality Assurance Project Plan (QAPP)[1].

Holding Time and Preservation Requirements

Holding time periods for the analyses are listed in Table 2. On the basis of sample collection dates on the chain-of-custody forms and analytical reports provided by the laboratory, the majority of extractions and analyses were completed within the specified holding time period. Table 3 presents one holding time violation. The associated data for this sample (S-930422-MJ-002) should be qualifed as estimated (J) for the positive parameter result.

The pH for preserved samples was reported to be within acceptance criteria for VOC and metals analyses when measured at the laboratory.

Method Blank Samples

Contamination of the samples contributed by laboratory conditions or procedures was monitored by the concurrent preparation and analysis of method blank

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[1] Application of relavent quality assurance criteria was consistent with "National Functional Guidelines for Organic Data Review", December 1990 (Revised June 1991) and "Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses", July 1988.

samples. One method blank sample yielded a positive concentration for methylene chloride outside acceptance criteria. As a result, the associated sample data (see Table 4) should be qualified as non-detect (U). The remaining method blank results were reported to be within acceptance criteria.

Surrogate Compound Percent Recoveries (Surrogate Recoveries)

Individual sample performance for organic analyses (VOC, BNA, Pesticides) was monitored by surrogate recoveries. The surrogate recoveries for the majority of analyses were within acceptance criteria. Sample SED-930420-MJ-002 yielded a bromofluorobenzene recovery below the lower control limit. As a result, the associated VOC data for the sample should be qualified as estimated (J) for postive parameter results and the quantitation limit estimated (UJ) for negative parameter results. The remaining surrogate data were within acceptance criteria.

Laboratory Duplicate Analysis

Laboratory precision for the event was measured using laboratory duplicate samples for the analyses. Based on relative percent difference (RPD) data, the majority of positive results for these analyses exhibited acceptable precision. Table 5 lists the outlying laboratory duplicate results. Associated sample data should be qualified as noted in the table.

Matrix Spike Sample Results

To assess the long term accuracy and precision of the analytical method on various matrices, matrix spike percent recoveries and RPD of the recoveries were determined. Matrix spike or matrix spike/matrix spike duplicate analyses were performed for organic and inorganic analyses. Table 6 lists the outlying matrix spike sample results. Associated sample data should be qualified as noted in the table. The remaining percent recovery and RPD data were within acceptance criteria, indicating an adequate level of accuracy and precision was achieved.

Laboratory Control Sample (LCS) Percent Recoveries

To assess the long term accuracy and precision of the laboratory procedures, LCS percent recoveries and RPD of the recoveries were determined. LCS or LCS/LCS duplicate analyses were performed for organic and inorganic analyses. The percent recovery and RPD data were within acceptance criteria, indicating an adequate level of accuracy and precision was achieved.

Field QA/QC

There were no field QA/QC samples associated with the sampling events.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and may be used with the specific qualifications noted.

Enc.
cc: Steve Day
Bob Martin

RL/ma

TABLE 1

SUMMARY OF SAMPLE IDENTIFICATION NUMBERS
OLIN-WILMINGTON SITE
APRIL/MAY 1993 SAMPLING EVENT

W-930420-MJ-001
W-930420-MJ-002
W-930420-MJ-003
W-930420-MJ-004
W-930420-MJ-005
W-930420-MJ-006
SED-930420-MJ-001
SED-930420-MJ-002
TRIP BLANK 4/20/93
S-930422-MJ-001
S-930422-MJ-002
TRIP BLANK 4/22/93
W-930507-JM-001
W-930507-JM-001
COMPOSITE SOIL

TABLE 2

SUMMARY OF ANALYTICAL PARAMETERS
OLIN-WILMINGTON SITE
APRIL/MAY 1993 SAMPLING EVENT

Analysis - Method*	Holding Time**
Target Compound List Volatile Organic Compounds (TCL VOC) plus Trimethylpentenes - SW 8240	14 days
Target Compound List Base-Neutral/Acid Extractable Organic Compounds (TCL BNA) - SW 8270	7-14/40 days***
Target Compound List Pesticides - SW 8080	7-14/40 days***
Target Analyte List Metals (TAL Metals) - SW 6010/7000 series and EPA 200 series	6 months (28 days-Mercury)
Chloride - EPA 325.2/SW 9251 modified	28 days
Ammonia - EPA 350.1	28 days
Sulfate - EPA 375.4/SW 9038 modified	28 days
Total Residue - CLP CIP, 103-105c	7 days
Hexavalent Chromium - SW 7195/6010	24 hours

NOTES:

* Methods were derived from:
SW - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, 3rd edition, November 1986.
EPA - "Methods for Chemical Analysis of Water and Wastes", EPA 600/4-79-020, revised March 1983.
CLP - Contract Laboratory Program Caucus Inorganic Protocols, Statement of Work, July 1988.

** Holding time periods are based from sample collection date to sample analysis date.

*** Seven (water)-Fourteen (soil/sediment) days from sample collection to extraction; 40 days from extraction to completion of analysis.

TABLE 3

QUALIFIED DATA DUE TO VIOLATION OF
HOLDING TIME REQUIREMENTS
OLIN-WILMINGTON SITE
APRIL/MAY 1993 SAMPLING EVENT

Analysis	Work Order No.	Prescribed Holding Time	Actual Holding Time	Qualifier*	Associated Samples
Hex Chrom	WJ0435	24 hours	6 days	J/UJ	S-930422-MJ-002

Notes:

* Sample data should be qualified as:
  J - The associated value is an estimated quantity for detected analytes.
  UJ - The analyte was checked for, but not detected. The associated value is an estimate.

TABLE 4

SUMMARY OF ANALYTES
DETECTED IN METHOD BLANKS
OLIN-WILMINGTON SITE
APRIL/MAY 1993 SAMPLING EVENT

Work Order No.	Analysis	Parameter	Blank Concentration	Associated Samples	Qualifier*
WJ0514	VOC	Methylene Chloride	3 ug/Kg	Composite Soil	10U

NOTE:

* Sample data should be qualified as non-detect (U) with the associated value being the quantitation limit.

TABLE 5

OUTLYING LABORATORY DUPLICATE RESULTS
OLIN-WILMINGTON SITE
APRIL/MAY 1993 SAMPLING EVENT

Work Order No.	Analysis	Parameter	RPD*	RPD Limits	Qualifier**	Sample ID
WJ0434	Metals	Nickel	22	20	J/UJ	SED-930420-MJ-001
	Gen Chemistry	Ammonia	55	20	J/UJ	SED-930420-MJ-002
	Metals	Chromium	22	20	J/UJ	S-930422-MJ-002
	Metals	Copper	26	20	J/UJ	Composite Soil
	Metals	Arsenic	23	20	J/UJ	Composite Soil

Notes:

* RPD - Relative Percent Difference

** Sample data should be qualified as:

J - The associated value is an estimated quantity for detected analytes.

UJ - The analyte was checked for, but not detected. The associated value is an estimate.