Appendix B

Additional Information for Table 1

Analysis Group Description	Method Description	Method Code								
Soil Analysis	**Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography**	8082A								
	Analyte Description	**CAS Number**	**LCSREC Recovery Low %**	**LCSREC Recovery High %**	**LCSRPD Precision %**	**MSREC Recovery Low %**	**MSREC Recovery High %**	**MSRPD Precision %**	**SUREC Recovery Low %**	**SUREC Recovery High %**
	DCB Decachlorobiphenyl	2051-24-3							60	140
	PCB-1016	12674-11-2	70	130	20	60	140	20		
	PCB-1221	11104-28-2	70	130	20	60	140	20		
	PCB-1232	11141-16-5	70	130	20	60	140	20		
	PCB-1242	53469-21-9	70	130	20	60	140	20		
	PCB-1248	12672-29-6	70	130	20	60	140	20		
	PCB-1254	11097-69-1	70	130	20	60	140	20		
	PCB-1260	11096-82-5	70	130	20	60	140	20		
	Tetrachloro-m-xylene	877-09-8							60	140
	PCB-1262	37324-23-5	NA	NA	NA	NA	NA	NA		
	PCB-1268	11100-14-4	NA	NA	NA	NA	NA	NA		

Analysis Group Description	Method Description	Method Code								
Soil Analysis	**Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography**	8081A_8082A								
	Analyte Description	**CAS Number**	**LCSREC Recovery Low %**	**LCSREC Recovery High %**	**LCSRPD Precision %**	**MSREC Recovery Low %**	**MSREC Recovery High %**	**MSRPD Precision %**	**SUREC Recovery Low %**	**SUREC Recovery High %**
	Aldrin	309-00-2	50	150	20	50	150	20		
	alpha-BHC	319-84-6	50	150	20	50	150	20		
	beta-BHC	319-85-7	50	150	20	50	150	20		
	delta-BHC	319-86-8	20	124	20	20	124	20		
	gamma-BHC (Lindane)	58-89-9	50	150	20	50	150	20		
	alpha-Chlordane	5103-71-9	50	150	20	50	150	20		
	gamma-Chlordane	5103-74-2	50	150	24	50	150	24		
	4,4'-DDD	72-54-8	50	150	20	50	150	20		
	4,4'-DDE	72-55-9	50	150	20	50	150	20		
	4,4'-DDT	50-29-3	50	150	37	50	150	37		
Analyte Description	**CAS Number**	**LCSREC Recovery Low %**	**LCSREC Recovery High %**	**LCSRPD Precision %**	**MSREC Recovery Low %**	**MSREC Recovery High %**	**MSRPD Precision %**	**SUREC Recovery Low %**	**SUREC Recovery High %**	**Analyte Description**
	Dieldrin	60-57-1	50	150	20	50	150	20		
	Endosulfan I	959-98-8	50	150	23	50	150	23		
	Endosulfan II	33213-65-9	50	150	33	50	150	33		
	Endosulfan sulfate	1031-07-8	44	140	26	44	140	26		
	Endrin	72-20-8	50	150	20	50	150	20		
	Endrin aldehyde	7421-93-4	50	150	20	50	150	20		
	Endrin ketone	53494-70-5	50	150	20	50	150	20		
	Heptachlor	76-44-8	50	150	20	50	150	20		
	Heptachlor epoxide	1024-57-3	50	150	20	50	150	20		
	Methoxychlor	72-43-5	50	150	26	50	150	26		
	Toxaphene	8001-35-2								
	Tetrachloro-m-xylene	877-09-8							45	140
	DCB Decachlorobiphenyl (Surr)	2051-24-3							45	140

Analysis Group Description	Method Description	Method Code								
Soil Analysis	Closed System Purge and Trap (Low-Level)	5035A								
Soil Analysis	**Volatile Organic Compounds (GC/MS)**	8260B								
	Analyte Description	**CAS Number**	**LCSREC Recovery Low %**	**LCSREC Recovery High %**	**LCSRPD Precision %**	**MSREC Recovery Low %**	**MSREC Recovery High %**	**MSRPD Precision %**	**SUREC Recovery Low %**	**SUREC Recovery High %**
	1,1,1-Trichloroethane	71-55-6	67	126	31	67	126	31		
	1,1,2,2-Tetrachloroethane	79-34-5	60	139	24	60	139	24		
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	55	130	37	55	130	37		
	1,1,2-Trichloroethane	79-00-5	70	128	22	70	128	22		
	1,1-Dichloroethane	75-34-3	66	124	23	66	124	23		
	1,1-Dichloroethene	75-35-4	59	129	25	59	129	25		
	1,2,3-Trichlorobenzene	87-61-6	37	144	40	37	144	40		
	1,2,4-Trichlorobenzene	120-82-1	51	136	40	51	136	40		
	1,2-Dibromo-3-Chloropropane	96-12-8	35	136	40	35	136	40		
	1,2-Dibromoethane (EDB)	106-93-4	70	131	20	70	131	20		
	1,2-Dichlorobenzene	95-50-1	71	124	22	71	124	22		
	1,2-Dichloroethane	107-06-2	61	127	23	61	127	23		
	1,2-Dichloroethane-d4 (Surr)	17060-07-0							52	124
	1,2-Dichloropropane	78-87-5	72	122	20	72	122	20		
	1,3-Dichlorobenzene	541-73-1	75	118	20	75	118	20		
	1,4-Dichlorobenzene	106-46-7	77	116	20	77	116	20		
	1,4-Dioxane	123-91-1	10	160	40	10	160	40		
	2-Butanone (MEK)	78-93-3	35	149	36	35	149	36		
	2-Hexanone	591-78-6	32	150	32	32	150	32		
	4-Bromofluorobenzene (Surr)	460-00-4							63	120
	4-Methyl-2-pentanone (MIBK)	108-10-1	44	148	30	44	148	30		
	Acetone	67-64-1	20	150	40	20	150	40		
	Benzene	71-43-2	77	120	20	77	120	20		
	Bromochloromethane	74-97-5	67	126	29	67	126	29		
	Bromodichloromethane	75-27-4	70	125	21	70	125	21		

Analysis Group Description	Method Description	Method Code								
Soil Analysis	Closed System Purge and Trap (Low-Level)	5035A								
Soil Analysis	**Volatile Organic Compounds (GC/MS)**	8260B								
	Analyte Description	**CAS Number**	**LCSREC Recovery Low %**	**LCSREC Recovery High %**	**LCSRPD Precision %**	**MSREC Recovery Low %**	**MSREC Recovery High %**	**MSRPD Precision %**	**SUREC Recovery Low %**	**SUREC Recovery High %**
	Bromoform	75-25-2	53	140	23	53	140	23		
	Bromomethane	74-83-9	25	150	40	25	150	40		
	Carbon disulfide	75-15-0	50	127	23	50	127	23		
	Carbon tetrachloride	56-23-5	69	122	22	69	122	22		
	Chlorobenzene	108-90-7	79	120	20	79	120	20		
	Chloroethane	75-00-3	22	150	40	22	150	40		
	Chloroform	67-66-3	72	120	25	72	120	25		
	Chloromethane	74-87-3	44	131	27	44	131	27		
	cis-1,2-Dichloroethene	156-59-2	80	118	20	80	118	20		
	cis-1,3-Dichloropropene	10061-01-5	73	120	20	73	120	20		
	Cyclohexane	110-82-7	64	130	21	64	130	21		
	Dibromochloromethane	124-48-1	70	132	20	70	132	20		
	Dibromofluoromethane (Surr)	1868-53-7							68	121
	Dichlorodifluoromethane	75-71-8	25	150	34	25	150	34		
	Ethylbenzene	100-41-4	78	125	21	78	125	21		
	Isopropylbenzene	98-82-8	70	133	22	70	133	22		
	Methyl acetate	79-20-9	27	142	40	27	142	40		
	Methyl tert-butyl ether	1634-04-4	48	132	36	48	132	36		
	Methylcyclohexane	108-87-2	66	135	23	66	135	23		
	Methylene Chloride	75-09-2	58	127	28	58	127	28		
	m-Xylene & p-Xylene	179601-23-1	75	126	21	75	126	21		
	o-Xylene	95-47-6	83	127	20	83	127	20		
	Styrene	100-42-5	83	129	20	83	129	20		
	Tetrachloroethene	127-18-4	78	129	20	78	129	20		
	Toluene	108-88-3	78	124	21	78	124	21		

Analysis Group Description	Method Description	Method Code								
Soil Analysis	Closed System Purge and Trap (Low-Level)	5035A								
Soil Analysis	**Volatile Organic Compounds (GC/MS)**	8260B								
	Analyte Description	**CAS Number**	**LCSREC Recovery Low %**	**LCSREC Recovery High %**	**LCSRPD Precision %**	**MSREC Recovery Low %**	**MSREC Recovery High %**	**MSRPD Precision %**	**SUREC Recovery Low %**	**SUREC Recovery High %**
	Toluene-d8 (Surr)	2037-26-5							72	127
	trans-1,2-Dichloroethene	156-60-5	77	121	20	77	121	20		
	trans-1,3-Dichloropropene	10061-02-6	74	129	20	74	129	20		
	Trichloroethene	79-01-6	76	119	21	76	119	21		
	Trichlorofluoromethane	75-69-4	20	150	40	20	150	40		
	Vinyl chloride	75-01-4	63	124	27	63	124	27		
	Xylenes, Total	1330-20-7	83	126	20	83	126	20		

Analysis Group Description	Method Description	Method Code								
Water Analysis	Liquid-Liquid Extraction (Separatory Funnel)	3510C								
Aqueous Analysis	**Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography**	8081A_8082A								
	Analyte Description	**CAS Number**	**LCSREC Recovery Low %**	**LCSREC Recovery High %**	**LCSRPD Precision %**	**MSREC Recovery Low %**	**MSREC Recovery High %**	**MSRPD Precision %**	**SUREC Recovery Low %**	**SUREC Recovery High %**
	PCB-1016	12674-11-2	60	110	27	60	110	27		
	PCB-1221	11104-28-2								
	PCB-1232	11141-16-5								
	PCB-1242	53469-21-9								
	PCB-1248	12672-29-6								
	PCB-1254	11097-69-1								
	PCB-1260	11096-82-5	60	111	24	60	111	24		
	DCB Decachlorobiphenyl (Surr)	2051-24-3							50	140
	Tetrachloro-m-xylene	877-09-8							47	150

Analysis Group Description	Method Description	Method Code								
Aqueous Analysis	**Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography**	8081A_8082A								
	Analyte Description	**CAS Number**	**LCSREC Recovery Low %**	**LCSREC Recovery High %**	**LCSRPD Precision %**	**MSREC Recovery Low %**	**MSREC Recovery High %**	**MSRPD Precision %**	**SUREC Recovery Low %**	**SUREC Recovery High %**
	4,4'-DDD	72-54-8	48	120	24	48	120	24		
	4,4'-DDE	72-55-9	47	120	20	47	120	20		
	4,4'-DDT	50-29-3	39	131	24	39	131	24		
	Aldrin	309-00-2	62	113	22	62	113	22		
	alpha-BHC	319-84-6	58	114	20	58	114	20		
	alpha-Chlordane	5103-71-9	59	114	21	59	114	21		
	beta-BHC	319-85-7	52	120	24	52	120	24		
	DCB Decachlorobiphenyl (Surr)	2051-24-3							56	122
	delta-BHC	319-86-8	10	137	26	10	137	26		
	Dieldrin	60-57-1	51	121	20	51	121	20		
	Endosulfan I	959-98-8	60	114	22	60	114	22		
	Endosulfan II	33213-65-9	58	112	21	58	112	21		
	Endosulfan sulfate	1031-07-8	42	122	21	42	122	21		
	Endrin	72-20-8	31	138	24	31	138	24		
	Endrin aldehyde	7421-93-4	52	110	25	52	110	25		
	Endrin ketone	53494-70-5	57	114	20	57	114	20		
	gamma-BHC (Lindane)	58-89-9	57	110	21	57	110	21		
	gamma-Chlordane	5103-74-2	60	114	21	60	114	21		
	Heptachlor	76-44-8	63	120	25	63	120	25		
	Heptachlor epoxide	1024-57-3	60	120	20	60	120	20		
	Methoxychlor	72-43-5	35	137	27	35	137	27		
	Tetrachloro-m-xylene	877-09-8							60	111
	Toxaphene	8001-35-2								

Analysis Group Description	Method Description	Method Code								
Soil Analysis	Automated Soxhlet Extraction	3541								
Aqueous Analysis	**Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**	8270C								
	Analyte Description	**CAS Number**	**LCSREC Recovery Low %**	**LCSREC Recovery High %**	**LCSRPD Precision %**	**MSREC Recovery Low %**	**MSREC Recovery High %**	**MSRPD Precision %**	**SUREC Recovery Low %**	**SUREC Recovery High %**
	1,1'-Biphenyl	92-52-4	30	150	40	30	150	40		
	1,2,4,5-Tetrachlorobenzene	95-94-3	30	125	25	30	125	25		
	2,2'-oxybis[1-chloropropane]	108-60-1	36	101	41	36	101	41		
	2,3,4,6-Tetrachlorophenol	58-90-2	38	113	83	38	113	83		
	2,4,5-Trichlorophenol	95-95-4	48	108	44	48	108	44		
	2,4,6-Tribromophenol	118-79-6							35	124
	2,4,6-Trichlorophenol	88-06-2	50	106	42	50	106	42		
	2,4-Dichlorophenol	120-83-2	47	105	35	47	105	35		
	2,4-Dimethylphenol	105-67-9	44	105	49	44	105	49		
	2,4-Dinitrophenol	51-28-5	10	146	83	10	146	83		
	2,4-Dinitrotoluene	121-14-2	45	124	41	45	124	41		
	2,6-Dinitrotoluene	606-20-2	50	122	40	50	122	40		
	2-Chloronaphthalene	91-58-7	46	101	40	46	101	40		
	2-Chlorophenol	95-57-8	40	101	42	40	101	42		
	2-Fluorobiphenyl	321-60-8							35	105
	2-Fluorophenol	367-12-4							39	103
	2-Methylnaphthalene	91-57-6	45	100	40	45	100	40		
	2-Methylphenol	95-48-7	40	104	41	40	104	41		
	2-Nitroaniline	88-74-4	45	117	42	45	117	42		
	2-Nitrophenol	88-75-5	46	106	39	46	106	39		
	3,3'-Dichlorobenzidine	91-94-1	19	122	40	19	122	40		
	3-Nitroaniline	99-09-2	34	122	39	34	122	39		
	4,6-Dinitro-2-methylphenol	534-52-1	24	134	87	24	134	87		
	4-Bromophenyl phenyl ether	101-55-3	47	110	46	47	110	46		
	4-Chloro-3-methylphenol	59-50-7	47	109	36	47	109	36		

Analysis Group Description	Method Description	Method Code								
Soil Analysis	Automated Soxhlet Extraction	3541								
Aqueous Analysis	**Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**	8270C								
	Analyte Description	**CAS Number**	**LCSREC Recovery Low %**	**LCSREC Recovery High %**	**LCSRPD Precision %**	**MSREC Recovery Low %**	**MSREC Recovery High %**	**MSRPD Precision %**	**SUREC Recovery Low %**	**SUREC Recovery High %**
	4-Chloroaniline	106-47-8	25	108	36	25	108	36		
	4-Chlorophenyl phenyl ether	7005-72-3	47	109	39	47	109	39		
	4-Nitroaniline	100-01-6	38	123	40	38	123	40		
	4-Nitrophenol	100-02-7	36	127	43	36	127	43		
	Acenaphthene	83-32-9	47	104	40	47	104	40		
	Acenaphthylene	208-96-8	49	114	38	49	114	38		
	Acetophenone	98-86-2	30	150	40	30	150	40		
	Anthracene	120-12-7	45	112	42	45	112	42		
	Atrazine	1912-24-9	30	150	40	30	150	40		
	Benzaldehyde	100-52-7	30	150	40	30	150	40		
	Benzo[a]anthracene	56-55-3	47	110	40	47	110	40		
	Benzo[a]pyrene	50-32-8	47	112	42	47	112	42		
	Benzo[b]fluoranthene	205-99-2	41	107	53	41	107	53		
	Benzo[g,h,i]perylene	191-24-2	38	126	43	38	126	43		
	Benzo[k]fluoranthene	207-08-9	44	115	44	44	115	44		
	Bis(2-chloroethoxy)methane	111-91-1	44	101	36	44	101	36		
	Bis(2-chloroethyl)ether	111-44-4	38	99	43	38	99	43		
	Bis(2-ethylhexyl) phthalate	117-81-7	40	122	41	40	122	41		
	Butyl benzyl phthalate	85-68-7	41	118	41	41	118	41		
	Caprolactam	105-60-2	30	150	40	30	150	40		
	Carbazole	86-74-8	45	114	36	45	114	36		
	Chrysene	218-01-9	46	111	39	46	111	39		
	Dibenz(a,h)anthracene	53-70-3	39	127	45	39	127	45		
	Dibenzofuran	132-64-9	46	104	38	46	104	38		
	Diethyl phthalate	84-66-2	47	115	38	47	115	38		

Analysis Group Description	Method Description	Method Code								
Soil Analysis	Automated Soxhlet Extraction	3541								
Aqueous Analysis	**Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)**	8270C								
	Analyte Description	**CAS Number**	**LCSREC Recovery Low %**	**LCSREC Recovery High %**	**LCSRPD Precision %**	**MSREC Recovery Low %**	**MSREC Recovery High %**	**MSRPD Precision %**	**SUREC Recovery Low %**	**SUREC Recovery High %**
	Dimethyl phthalate	131-11-3	49	111	37	49	111	37		
	Di-n-butyl phthalate	84-74-2	43	121	38	43	121	38		
	Di-n-octyl phthalate	117-84-0	33	129	41	33	129	41		
	Fluoranthene	206-44-0	40	120	36	40	120	36		
	Fluorene	86-73-7	46	109	40	46	109	40		
	Hexachlorobenzene	118-74-1	47	108	43	47	108	43		
	Hexachlorobutadiene	87-68-3	43	107	39	43	107	39		
	Hexachlorocyclopentadiene	77-47-4	23	129	49	23	129	49		
	Hexachloroethane	67-72-1	37	97	48	37	97	48		
	Indeno[1,2,3-cd]pyrene	193-39-5	41	125	47	41	125	47		
	Isophorone	78-59-1	47	110	37	47	110	37		
	Methylphenol, 3 & 4	106-44-5	42	105	43	42	105	43		
	Naphthalene	91-20-3	43	100	32	43	100	32		
	Nitrobenzene	98-95-3	43	104	33	43	104	33		
	Nitrobenzene-d5	4165-60-0							25	104
	N-Nitrosodi-n-propylamine	621-64-7	42	107	43	42	107	43		
	N-Nitrosodiphenylamine	86-30-6	44	111	40	44	111	40		
	Pentachlorophenol	87-86-5	17	122	52	17	122	52		
	Phenanthrene	85-01-8	43	108	39	43	108	39		
	Phenol	108-95-2	41	102	39	41	102	39		
	Phenol-d5	4165-62-2							25	105

Analysis Group Description	Method Description	Method Code								
Aqueous Analysis	Purge and Trap	5030B								
Aqueous Analysis	**Volatile Organic Compounds (GC/MS)**	8260B								
	Analyte Description	**CAS Number**	**LCSREC Recovery Low %**	**LCSREC Recovery High %**	**LCSRPD Precision %**	**MSREC Recovery Low %**	**MSREC Recovery High %**	**MSRPD Precision %**	**SUREC Recovery Low %**	**SUREC Recovery High %**
	1,1,1,2-Tetrachloroethane	630-20-6	63	140	34	63	140	34		
	1,1,1-Trichloroethane	71-55-6	63	133	35	63	133	35		
	1,1,2,2-Tetrachloroethane	79-34-5	62	125	35	62	125	35		
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	46	148	35	46	148	35		
	1,1,2-Trichloroethane	79-00-5	77	127	35	77	127	35		
	1,1-Dichloroethane	75-34-3	73	126	35	73	126	35		
	1,1-Dichloroethene	75-35-4	65	136	35	65	136	35		
	1,1-Dichloropropene	563-58-6	74	123	35	74	123	35		
	1,2,3-Trichlorobenzene	87-61-6	59	127	35	59	127	35		
	1,2,3-Trichloropropane	96-18-4	66	125	35	66	125	35		
	1,2,4-Trichlorobenzene	120-82-1	60	127	35	60	127	35		
	1,2,4-Trimethylbenzene	95-63-6	71	122	30	71	122	30		
	1,2-Dibromo-3-Chloropropane	96-12-8	37	133	35	37	133	35		
	1,2-Dibromoethane (EDB)	106-93-4	74	123	35	74	123	35		
	1,2-Dichlorobenzene	95-50-1	77	120	24	77	120	24		
	1,2-Dichloroethane	107-06-2	68	132	32	68	132	32		
	1,2-Dichloroethane-d4 (Surr)	17060-07-0							64	135
	1,2-Dichloroethene, Total	540-59-0	71	124	35	71	124	35		
	1,2-Dichloropropane	78-87-5	76	124	34	76	124	34		
	1,3,5-Trichlorobenzene	108-70-3	58	132	35	58	132	35		
	1,3,5-Trimethylbenzene	108-67-8	70	126	33	70	126	33		
	1,3-Dichlorobenzene	541-73-1	76	120	24	76	120	24		
	1,3-Dichloropropane	142-28-9	76	124	36	76	124	36		
	1,4-Dichlorobenzene	106-46-7	77	120	24	77	120	24		
	1,4-Dichlorobenzene-d4	3855-82-1								

Analysis Group Description	Method Description	Method Code								
Aqueous Analysis	Purge and Trap	5030B								
Aqueous Analysis	**Volatile Organic Compounds (GC/MS)**	8260B								
	Analyte Description	**CAS Number**	**LCSREC Recovery Low %**	**LCSREC Recovery High %**	**LCSRPD Precision %**	**MSREC Recovery Low %**	**MSREC Recovery High %**	**MSRPD Precision %**	**SUREC Recovery Low %**	**SUREC Recovery High %**
	1,4-Dioxane	123-91-1	10	160	35	10	160	35		
	2,2-Dichloropropane	594-20-7	52	131	35	52	131	35		
	2,3- & 3,4- Dichlorotoluene	STL01556	66	122	30	66	122	30		
	2,3,6-Trichlorotoluene	2077-46-5	32	144	35	32	144	35		
	2,4- & 2,5- & 2,6-Dichlorotoluene	STL01557	66	126	26	66	126	26		
	2,4,5-Trichlorotoluene	6639-30-1	38	132	35	38	132	35		
	2,4-Dichlorobenzotrifluoride	320-60-5	69	129	32	69	129	32		
	2,5-Dichlorobenzotrifluoride	320-50-3	65	127	35	65	127	35		
	2-Butanone (MEK)	78-93-3	39	138	35	39	138	35		
	2-Chlorobenzotrifluoride	88-16-4	57	145	34	57	145	34		
	2-Chloroethyl vinyl ether	110-75-8	10	110	35	10	110	35		
	2-Chlorotoluene	95-49-8	69	122	33	69	122	33		
	2-Hexanone	591-78-6	25	132	35	25	132	35		
	3,4-Dichlorobenzotrifluoride	328-84-7	62	130	35	62	130	35		
	3-Chlorobenzotrifluoride	98-15-7	67	136	35	67	136	35		
	3-Chlorotoluene	108-41-8	70	130	35	70	130	35		
	4-Bromofluorobenzene (Surr)	460-00-4							70	118
	4-Chlorobenzotrifluoride	98-56-6	68	135	35	68	135	35		
	4-Chlorotoluene	106-43-4	73	120	30	73	120	30		
	4-Isopropyltoluene	99-87-6	56	131	35	56	131	35		
	4-Methyl-2-pentanone (MIBK)	108-10-1	45	145	35	45	145	35		
	Acetone	67-64-1	22	150	35	22	150	35		
	Acetonitrile	75-05-8	30	140	35	30	140	35		
	Acrolein	107-02-8	30	140	35	30	140	35		
	Acrylonitrile	107-13-1	30	140	35	30	140	35		

Analysis Group Description	Method Description	Method Code								
Aqueous Analysis	Purge and Trap	5030B								
Aqueous Analysis	**Volatile Organic Compounds (GC/MS)**	8260B								
	Analyte Description	**CAS Number**	**LCSREC Recovery Low %**	**LCSREC Recovery High %**	**LCSRPD Precision %**	**MSREC Recovery Low %**	**MSREC Recovery High %**	**MSRPD Precision %**	**SUREC Recovery Low %**	**SUREC Recovery High %**
	Allyl chloride	107-05-1			35			35		
	Benzene	71-43-2	80	120	32	80	120	32		
	Bromobenzene	108-86-1	77	120	29	77	120	29		
	Bromochloromethane	74-97-5	70	127	35	70	127	35		
	Bromodichloromethane	75-27-4	66	130	35	66	130	35		
	Bromoform	75-25-2	46	150	35	46	150	35		
	Bromomethane	74-83-9	33	150	35	33	150	35		
	Carbon disulfide	75-15-0	54	132	35	54	132	35		
	Carbon tetrachloride	56-23-5	55	150	35	55	150	35		
	Chlorobenzene	108-90-7	80	120	29	80	120	29		
	Chloroethane	75-00-3	36	142	35	36	142	35		
	Chloroform	67-66-3	72	127	35	72	127	35		
	Chloromethane	74-87-3	50	139	35	50	139	35		
	Chloroprene	126-99-8			35			35		
	cis-1,2-Dichloroethene	156-59-2	70	120	35	70	120	35		
	cis-1,3-Dichloropropene	10061-01-5	66	120	35	66	120	35		
	Cyclohexane	110-82-7	45	142	35	45	142	35		
	Dibromochloromethane	124-48-1	60	140	35	60	140	35		
	Dibromofluoromethane (Surr)	1868-53-7							70	128
	Dibromomethane	74-95-3	72	125	35	72	125	35		
	Dichlorodifluoromethane	75-71-8	13	150	35	13	150	35		
	Ethyl ether	60-29-7			35			35		
	Ethyl methacrylate	97-63-2			35			35		
	Ethylbenzene	100-41-4	72	126	33	72	126	33		
	Hexachlorobutadiene	87-68-3	38	147	35	38	147	35		
	Hexane	110-54-3			35			35		

Analysis Group Description	Method Description	Method Code								
Aqueous Analysis	Purge and Trap	5030B								
Aqueous Analysis	**Volatile Organic Compounds (GC/MS)**	8260B								
	Analyte Description	**CAS Number**	**LCSREC Recovery Low %**	**LCSREC Recovery High %**	**LCSRPD Precision %**	**MSREC Recovery Low %**	**MSREC Recovery High %**	**MSRPD Precision %**	**SUREC Recovery Low %**	**SUREC Recovery High %**
	Iodomethane	74-88-4			35			35		
	Isobutyl alcohol	78-83-1			35			35		
	Isopropylbenzene	98-82-8	58	130	35	58	130	35		
	Methacrylonitrile	126-98-7			35			35		
	Methyl acetate	79-20-9	47	142	35	47	142	35		
	Methyl methacrylate	80-62-6			35			35		
	Methyl tert-butyl ether	1634-04-4	64	123	35	64	123	35		
	Methylcyclohexane	108-87-2	45	145	35	45	145	35		
	Methylene Chloride	75-09-2	63	129	35	63	129	35		
	m-Xylene & p-Xylene	179601-23-1	73	130	32	73	130	32		
	Naphthalene	91-20-3	45	127	35	45	127	35		
	n-Butanol	71-36-3			35			35		
	n-Butylbenzene	104-51-8	49	134	34	49	134	34		
	n-Heptane	142-82-5								
	N-Propylbenzene	103-65-1	62	128	34	62	128	34		
	o-Xylene	95-47-6	72	124	33	72	124	33		
	Propionitrile	107-12-0			35			35		
	sec-Butylbenzene	135-98-8	55	132	33	55	132	33		
	Styrene	100-42-5	71	127	34	71	127	34		
	tert-Butyl alcohol	75-65-0			35			35		
	tert-Butylbenzene	98-06-6	55	128	35	55	128	35		
	Tetrachloroethene	127-18-4	70	135	35	70	135	35		
	Tetrahydrofuran	109-99-9			35			35		
	Toluene	108-88-3	80	123	35	80	123	35		
	Toluene-d8 (Surr)	2037-26-5							71	118
	trans-1,2-Dichloroethene	156-60-5	73	126	35	73	126	35		

Analysis Group Description	Method Description	Method Code								
Aqueous Analysis	Purge and Trap	5030B								
Aqueous Analysis	**Volatile Organic Compounds (GC/MS)**	8260B								
	Analyte Description	**CAS Number**	**LCSREC Recovery Low %**	**LCSREC Recovery High %**	**LCSRPD Precision %**	**MSREC Recovery Low %**	**MSREC Recovery High %**	**MSRPD Precision %**	**SUREC Recovery Low %**	**SUREC Recovery High %**
	trans-1,3-Dichloropropene	10061-02-6	65	125	35	65	125	35		
	trans-1,4-Dichloro-2-butene	110-57-6	40	100	30	40	100	30		
	Trichloroethene	79-01-6	73	120	35	73	120	35		
	Trichlorofluoromethane	75-69-4	44	150	35	44	150	35		
	Vinyl acetate	108-05-4	44	150	35	44	150	35		
	Vinyl chloride	75-01-4	53	138	35	53	138	35		
	Xylenes, Total	1330-20-7	76	128	32	76	128	32		

Analysis Group Description	Method Description	Method Code								
Aqueous Analysis	Liquid-Liquid Extraction	3520C								
Aqueous Analysis	**Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS), Low Level**	8270C								
	Analyte Description	**CAS Number**	**LCSREC Recovery Low %**	**LCSREC Recovery High %**	**LCSRPD Precision %**	**MSREC Recovery Low %**	**MSREC Recovery High %**	**MSRPD Precision %**	**SUREC Recovery Low %**	**SUREC Recovery High %**
	1,1'-Biphenyl	92-52-4	30	150	35	30	150	35		
	1,2,4,5-Tetrachlorobenzene	95-94-3	30	125	25	30	125	25		
	1,2,4-Trichlorobenzene	120-82-1	34	96	45	34	96	45		
	1,2-Dichlorobenzene	95-50-1	34	95	38	34	95	38		
	1,2-Diphenylhydrazine(as Azobenzene)	122-66-7	31	107	41	31	107	41		
	1,3-Dichlorobenzene	541-73-1	33	93	38	33	93	38		
	1,3-Dinitrobenzene	99-65-0	30	125	25	30	125	25		
	1,4-Dichlorobenzene	106-46-7	34	93	41	34	93	41		
	1,4-Dioxane	123-91-1	23	88	20	23	88	20		
	1-Methylnaphthalene	90-12-0	10	140	30	10	140	30		
	2,2'-oxybis[1-chloropropane]	108-60-1	30	99	42	30	99	42		
	2,3,4,6-Tetrachlorophenol	58-90-2	36	103	40	36	103	40		
	2,3,5,6-Tetrachlorophenol	935-95-5	31	107	38	31	107	38		
	2,4,5-Trichlorophenol	95-95-4	34	104	39	34	104	39		
	2,4,6-Tribromophenol	118-79-6							16	122
	2,4,6-Trichlorophenol	88-06-2	36	103	39	36	103	39		
	2,4-Dichlorophenol	120-83-2	34	104	41	34	104	41		
	2,4-Dimethylphenol	105-67-9	33	97	40	33	97	40		
	2,4-Dinitrophenol	51-28-5	10	130	53	10	130	53		
	2,4-Dinitrotoluene	121-14-2	37	115	39	37	115	39		
	2,5-Dichlorophenol	583-78-8								
	2,6-Dichlorophenol	87-65-0	30	125	25	30	125	25		
	2,6-Dinitrotoluene	606-20-2	39	113	40	39	113	40		
	2-Chloronaphthalene	91-58-7	34	96	39	34	96	39		

Analysis Group Description	Method Description	Method Code								
Aqueous Analysis	Liquid-Liquid Extraction	3520C								
Aqueous Analysis	**Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS), Low Level**	8270C								
	Analyte Description	**CAS Number**	**LCSREC Recovery Low %**	**LCSREC Recovery High %**	**LCSRPD Precision %**	**MSREC Recovery Low %**	**MSREC Recovery High %**	**MSRPD Precision %**	**SUREC Recovery Low %**	**SUREC Recovery High %**
	2-Chlorophenol	95-57-8	31	99	39	31	99	39		
	2-Fluorobiphenyl	321-60-8							19	107
	2-Fluorophenol	367-12-4							10	111
	2-Methylnaphthalene	91-57-6	34	98	42	34	98	42		
	2-Methylphenol	95-48-7	33	98	38	33	98	38		
	2-Naphthylamine	91-59-8	25	135	30	25	135	30		
	2-Nitroaniline	88-74-4	29	112	65	29	112	65		
	2-Nitrophenol	88-75-5	34	107	41	34	107	41		
	3,3'-Dichlorobenzidine	91-94-1	10	89	56	10	89	56		
	3-Nitroaniline	99-09-2	11	104	48	11	104	48		
	4,6-Dinitro-2-methylphenol	534-52-1	24	124	41	24	124	41		
	4-Bromophenyl phenyl ether	101-55-3	37	104	40	37	104	40		
	4-Chloro-3-methylphenol	59-50-7	35	104	42	35	104	42		
	4-Chloroaniline	106-47-8	10	99	39	10	99	39		
	4-Chlorophenyl phenyl ether	7005-72-3	34	103	38	34	103	38		
	4-Nitroaniline	100-01-6	20	124	45	20	124	45		
	4-Nitrophenol	100-02-7	29	115	42	29	115	42		
	7,12-Dimethylbenz(a)anthracene	57-97-6	10	140	30	10	140	30		
	Acenaphthene	83-32-9	35	99	41	35	99	41		
	Acenaphthylene	208-96-8	37	107	40	37	107	40		
	Acetophenone	98-86-2	30	150	35	30	150	35		
	Aniline	62-53-3	21	86	20	21	86	20		
	Anthracene	120-12-7	35	105	37	35	105	37		
	Atrazine	1912-24-9	30	150	35	30	150	35		

Analysis Group Description	Method Description	Method Code								
Aqueous Analysis	Liquid-Liquid Extraction	3520C								
Aqueous Analysis	**Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS), Low Level**	8270C								
	Analyte Description	**CAS Number**	**LCSREC Recovery Low %**	**LCSREC Recovery High %**	**LCSRPD Precision %**	**MSREC Recovery Low %**	**MSREC Recovery High %**	**MSRPD Precision %**	**SUREC Recovery Low %**	**SUREC Recovery High %**
	Benzaldehyde	100-52-7	30	150	35	30	150	35		
	Benzidine	92-87-5	10	150	30	10	150	30		
	Benzo[a]anthracene	56-55-3	38	101	36	38	101	36		
	Benzo[a]pyrene	50-32-8	26	108	40	26	108	40		
	Benzo[b]fluoranthene	205-99-2	29	98	46	29	98	46		
	Benzo[g,h,i]perylene	191-24-2	20	115	44	20	115	44		
	Benzo[k]fluoranthene	207-08-9	28	107	31	28	107	31		
	Benzoic acid	65-85-0	10	114	59	10	114	59		
	Benzyl alcohol	100-51-6	10	68	20	10	68	20		
	Bis(2-chloroethoxy)methane	111-91-1	33	98	46	33	98	46		
	Bis(2-chloroethyl)ether	111-44-4	33	95	38	33	95	38		
	Bis(2-ethylhexyl) phthalate	117-81-7	20	116	40	20	116	40		
	Butyl benzyl phthalate	85-68-7	36	108	40	36	108	40		
	Caprolactam	105-60-2	30	150	35	30	150	35		
	Carbazole	86-74-8	29	112	35	29	112	35		
	Chlorophene	120-32-1	40	150	30	40	150	30		
	Chrysene	218-01-9	37	99	42	37	99	42		
	Cresols, Total	1319-77-3	29	144	33	29	144	33		
	Dibenz(a,h)anthracene	53-70-3	19	118	44	19	118	44		
	Dibenz[a,h]acridine	226-36-8	51	115	35	51	115	35		
	Dibenzofuran	132-64-9	34	101	39	34	101	39		
	Dibromoacetonitrile	3252-43-5								
	Diethyl phthalate	84-66-2	36	109	39	36	109	39		
	Dimethyl phthalate	131-11-3	37	106	42	37	106	42		
	Di-n-butyl phthalate	84-74-2	37	111	38	37	111	38		

Analysis Group Description	Method Description	Method Code								
Aqueous Analysis	Liquid-Liquid Extraction	3520C								
Aqueous Analysis	**Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS), Low Level**	8270C								
	Analyte Description	**CAS Number**	**LCSREC Recovery Low %**	**LCSREC Recovery High %**	**LCSRPD Precision %**	**MSREC Recovery Low %**	**MSREC Recovery High %**	**MSRPD Precision %**	**SUREC Recovery Low %**	**SUREC Recovery High %**
	Di-n-octyl phthalate	117-84-0	11	127	44	11	127	44		
	Diphenamid	957-51-7	30	140	30	30	140	30		
	Fluorene	86-73-7	34	104	40	34	104	40		
	Hexachlorobenzene	118-74-1	35	102	35	35	102	35		
	Hexachlorobutadiene	87-68-3	35	100	41	35	100	41		
	Hexachlorocyclopentadiene	77-47-4	36	115	47	36	115	47		
	Hexachloroethane	67-72-1	32	94	39	32	94	39		
	Indene	95-13-6	10	140	30	10	140	30		
	Indeno[1,2,3-cd]pyrene	193-39-5	22	115	54	22	115	54		
	Isophorone	78-59-1	38	102	43	38	102	43		
	Methylphenol, 3 & 4	106-44-5	32	100	41	32	100	41		
	Naphthalene	91-20-3	35	97	43	35	97	43		
	Nitrobenzene	98-95-3	37	100	42	37	100	42		
	Nitrobenzene-d5	4165-60-0							23	112
	N-Nitrosodiethylamine	55-18-5	31	107	40	31	107	40		
	N-Nitrosodimethylamine	62-75-9	10	150	35	10	150	35		
	N-Nitrosodi-n-butylamine	924-16-3	34	101	43	34	101	43		
	N-Nitrosodi-n-propylamine	621-64-7	32	102	36	32	102	36		
	N-Nitrosopiperidine	100-75-4	10	140	30	10	140	30		
	Pentachlorophenol	87-86-5	15	111	42	15	111	42		
	Phenanthrene	85-01-8	32	104	36	32	104	36		
	Phenol-d5	4165-62-2							15	112
	Phenol	108-95-2	32	95	39	32	95	39		
	Pyrene	129-00-0	35	106	42	35	106	42		
	Pyridine	110-86-1	26	96	46	26	96	46		

Analysis Group Description	Method Description	Method Code								
Aqueous Analysis	Liquid-Liquid Extraction	3520C								
Aqueous Analysis	**Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS), Low Level**	8270C								
	Analyte Description	**CAS Number**	**LCSREC Recovery Low %**	**LCSREC Recovery High %**	**LCSRPD Precision %**	**MSREC Recovery Low %**	**MSREC Recovery High %**	**MSRPD Precision %**	**SUREC Recovery Low %**	**SUREC Recovery High %**
	Terphenyl-d14	1718-51-0							10	132

Analysis Group Description	Method Description	Method Code								
Aqueous/Soil Analysis	**PCB-Congeners by HRGC/HRMS**	1668A								
	Analyte Description	**IUPAC Number**	**LCSREC Recovery Low %**	**LCSREC Recovery High %**	**LCSRPD Precision %**	**MSREC Recovery Low %**	**MSREC Recovery High %**	**MSRPD Precision %**	**SUREC *Recovery Low %**	**SUREC *Recovery High %**
	2-MoCB	1	50	150	NA	NA	NA	NA	30	140
	4-MoCB	3	50	150	NA	NA	NA	NA	30	140
	2,2'-DiCB	4	50	150	NA	NA	NA	NA	30	140
	4,4'-DiCB	15	50	150	NA	NA	NA	NA	30	140
	2,2',6-TrCB	19	50	150	NA	NA	NA	NA	30	140
	3,4,4'-TrCB	37	50	150	NA	NA	NA	NA	30	140
	2,2',6,6'-TeCB	54	50	150	NA	NA	NA	NA	30	140
	3,3',4,4'-TeCB3,6	77	50	150	NA	NA	NA	NA	30	140
	3,4,4',5-TeCB6	81	50	150	NA	NA	NA	NA	30	140
	2,2',4,6,6'-PeCB	104	50	150	NA	NA	NA	NA	30	140
	2,3,3',4,4'-PeCB3,6	105	50	150	NA	NA	NA	NA	30	140
	2,3,4,4',5-PeCB6	114	50	150	NA	NA	NA	NA	30	140
	2,3',4,4',5-PeCB3,6	118	50	150	NA	NA	NA	NA	30	140
	2',3,4,4',5-PeCB6	123	50	150	NA	NA	NA	NA	30	140
	3,3',4,4',5-PeCB3,6	126	50	150	NA	NA	NA	NA	30	140
	2,2',4,4',6,6'-HxCB	155	50	150	NA	NA	NA	NA	30	140
	2,3,3',4,4',5-HxCB6	156	50	150	NA	NA	NA	NA	30	140
	2,3,3',4,4',5'-HxCB6	157	50	150	NA	NA	NA	NA	30	140
	2,3',4,4',5,5'-HxCB6	167	50	150	NA	NA	NA	NA	30	140
	3,3',4,4',5,5'-HxCB3,6	169	50	150	NA	NA	NA	NA	30	140
	2,2',3,3',4,4',5-HpCB3	170	50	150	NA	NA	NA	NA	30	140
	2,2',3,4',5,6,6'-HpCB	188	50	150	NA	NA	NA	NA	30	140
	2,3,3',4,4',5,5'-HpCB6	189	50	150	NA	NA	NA	NA	30	140
	2,2',3,3',5,5',6,6'-OcCB	202	50	150	NA	NA	NA	NA	30	140
	2,3,3',4,4',5,5',6-OcCB	205	50	150	NA	NA	NA	NA	30	140
	2,2',3,3',4,4',5,5',6-NoCB3	206	50	150	NA	NA	NA	NA	30	140
	2,2',3,3',4,5,5',6,6'-NoCB	208	50	150	NA	NA	NA	NA	30	140
	DeCB3	209	50	150	NA	NA	NA	NA	30	140

Analysis Group Description	Method Description	Method Code								
Aqueous/Soil Analysis	PCDD/PCDFs by HRGC/HRMS	8290A								
	Analyte Description	CAS Number	LCSREC Recovery Low %	LCSREC Recovery High %	LCSRPD Precision %	MSREC Recovery Low %	MSREC Recovery High %	MSRPD Precision %	SUREC *Recovery Low %	SUREC *Recovery High %
	1,2,3,4,6,7,8-HPCDD	35822-46-9	50	150	NA	NA	NA	NA	30	140
	1,2,3,4,6,7,8-HPCDF	67562-39-4	50	150	NA	NA	NA	NA	30	140
	1,2,3,4,7,8-HxCDD	39227-28-6	50	150	NA	NA	NA	NA	30	140
	1,2,3,4,7,8-HXCDF	70648-26-9	50	150	NA	NA	NA	NA	30	140
	1,2,3,4,7,8,9-HPCDF	55673-89-7	50	150	NA	NA	NA	NA	30	140
	1,2,3,6,7,8-HxCDD	57653-85-7	50	150	NA	NA	NA	NA	30	140
	1,2,3,6,7,8-HXCDF	57117-44-9	50	150	NA	NA	NA	NA	30	140
	1,2,3,7,8,9-HxCDD	19408-74-3	50	150	NA	NA	NA	NA	30	140
	1,2,3,7,8,9-HXCDF	72918-21-9	50	150	NA	NA	NA	NA	30	140
	1,2,3,7,8-PeCDD	40321-76-4	50	150	NA	NA	NA	NA	30	140
	1,2,3,7,8-PECDF	57117-41-6	50	150	NA	NA	NA	NA	30	140
	2,3,4,6,7,8-HXCDF	60851-34-5	50	150	NA	NA	NA	NA	30	140
	2,3,4,7,8-PECDF	57117-31-4	50	150	NA	NA	NA	NA	30	140
	2,3,7,8-TCDD	1746-01-6	50	150	NA	NA	NA	NA	30	140
	2,3,7,8-TCDF	51207-31-9	50	150	NA	NA	NA	NA	30	140
	OCDD	3268-87-9	50	150	NA	NA	NA	NA	30	140
	OCDF	39001-02-0	50	150	NA	NA	NA	NA	30	140

Note all limits are subject to change based on final laboratory selection and required annual laboratory detection limit updates