Appendix B Analytical Results

Refer to Figure 3-1 on page 3-2 for a location map for the analytical results presented in Appendix B.

Table B-1: Results for Metals in Soils, µg/kg											
ID	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron
CDPHE TVS[1]	-	-	0.21	-	-	99.5 (Cadmium and Cpds)	-	53.94 (Cr VI)	-	2,570 (Copper and Cpds)	-
EPA RBCs - Industrial Standards[2]	1E+06	820	3.8	140,000	1.3	1,000	-	1E+06 (CrIII) 10,000 (Cr VI))	120,000	82,000	610,000
EPA RBCs – Residential Standards[2]	78,000	31	0.43	5,500	0.15	39	-	78,000 (Cr III) 390 (Cr VI)	4,700	3,100	23,000
Shale Pile											
TH-1 10	15000	ND	67.2	415	1.12	ND	108000	30.9	11.2	51.5	20700
TH-1 20	12900	ND	49.3	435	1.00	ND	109000	32.0	8.39	43.2	20800
TH-1 35	12800	ND	54.4	429	0.973	ND	115000	30.8	8.61	44.7	20500
TH-1 40	17400	ND	67.4	486	1.22	0.240 J	111000	33.1	11.7	55.6	26300
TH-2 10	15400	ND	65.6	445	1.09	0.375 J	109000	32.6	10.8	56.1	20800
TH-2 20	14900	ND	74.0	416	1.09	0.351 J	104000	31.9	11.7	57.8	21000
TH-2 30	14900	ND	57.6	409	0.920	ND	101000	27.9	9.49	51.0	19200
TH-2 40	12500	ND	53.0	401	1.04	0.136 J	106000	31.5	8.70	49.3	20300
TH-2 50	14100	ND	58.5	504	1.03	0.145 J	110000	30.9	9.95	62.1	20800
TH-3 10	15300	ND	52.3	425	1.00	0.195 J	107000	31.1	9.15	199	20100
TH-3 21.5	19500	ND	61.6	568	1.26	0.301 J	101000	31.0	12.0	60.5	20300
TH-3 30	15700	ND	53.7	529	1.06	ND	119000	33.5	8.19	55.0	22700
TH-3 40	18800	ND	46.7	462	1.17	ND	110000	30.2	8.23	47.6	19300
TH-3 50	13900	ND	55.3	443	1.02	0.117 J	106000	31.0	9.28	63.0	22600
TH-3 60	18600	ND	13.7	270	0.865	0.116 J	73200	21.8	5.84	18.7	17600
TH-4 10	16400	ND	45.0	445 B	1.04	ND	119000	31.6 B	7.95	41.8	22200
TH-4 20	13600	ND	40.3	454 B	0.937	ND	115000	29.5 B	7.47	40.9	20600
TH-4 28	9300	ND	15.7	178 B	0.456 J	0.0779 JB	82300	32.3 B	4.91	10.9	15700
Relic Pond											
TH-5 3.5	15400	ND	51.1	419 B	1.00	0.195 JB	109000	28.6 B	9.22	52.7	19100
TH-5 10	16900	ND	10.9	160 B	0.783	0.366 JB	37500	16.4 B	5.35	14.8	16300
TH-7 3.5	14500	ND	42.0	352 B	1.17	0.0420 JB	76900	33.9 B	9.96	40.0	22800
TH-7 8	21900	ND	13.8	163 B	1.07	0.352 JB	34400	21.8 B	5.76	20.2	22300

Table B-1: Results for Metals in Soils, µg/kg											
ID	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron
CDPHE TVS[1]	-	-	0.21	-	-	99.5 (Cadmium and Cpds)	-	53.94 (Cr VI)	-	2,570 (Copper and Cpds)	-
EPA RBCs - Industrial Standards[2]	1E+06	820	3.8	140,000	1.3	1,000	-	1E+06 (CrIII) 10,000 (Cr VI))	120,000	82,000	610,000
EPA RBCs – Residential Standards[2]	78,000	31	0.43	5,500	0.15	39	-	78,000 (Cr III) 390 (Cr VI)	4,700	3,100	23,000
Shale Pile											
Upper Impoundment											
TH-8 3	13400	ND	24.0	257 B	0.713	0.0479 JB	72300	20.9 B	5.27	21.9	15600
TH-8 5	14400	ND	11.7	276 B	0.669	0.185 JB	84300	19.4 B	4.38	13.1	15000
TH-9 3	13900	ND	38.2	344 B	0.980	0.179 JB	84700	29.1 B	7.39	28.4	19500
TH-9 5	16700	ND	30.6	277 B	0.782	0.149 JB	55700	20.5 B	6.04	15.2	18100
Lower Impoundment											
TH-10 5	16400	ND	15.6	223 B	0.714	0.130 JB	65300	20.2 B	4.87	15.5	17100
TH-11 6	17400	ND	12.2	231 B	0.773	0.271 JB	62200	20.9 B	5.12	16.0	17600

1. CDPHE Table Value Standards (TVS) for Residential/Unrestricted Land Use
2. EPA: Ingestion Risk-Based Concentrations (RBC) of Inorganic Chemicals of Potential Concern in Soils, from EPA Region III

- No value is listed

µg/kg – micrograms per kilogram

ND – Not detected

J - Estimated value below practical quantification limit but above method detection limit

B - Analyte detected in method blank

Table B-1: Results for Metals in Soils, µg/kg (continued)												
ID	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc
CDPHE TVS[1]	400	-	-	17.66	-	-	-	-	-	-	-	-
EPA RBCs - Industrial Standards[2]	-	-	47,000	610 (inorganic)	41,000	-	10,000	10,000	-	140 (oxide)	14,000	610,000
EPA RBCs - Residential Standards[2]	-	-	1,800	23 (inorganic)	1,600	-	390	390	-	5.5 (oxide)	550	3,900
Shale Pile												
TH-1 10	21.3	41100 B	353 B	ND	26.2 B	7120	3.84	0.245 J	13800	ND	108	79.1
TH-1 20	25.1	43200 B	387 B	ND	20.0 B	11400	4.88	0.217 J	23400	ND	101	72.9
TH-1 35	24.8	39100 B	359 B	0.0270 J	20.9 B	4000	2.92	0.332 J	6300	ND	96.1	70.1
TH-1 40	33.0	42600 B	370 B	ND	31.2 B	7870	4.72	0.426 J	9490	ND	105	83.4
TH-2 10	32.7	41800 B	355 B	0.0515	26.8 B	3630	2.86	0.359 J	8030	ND	104	82.8
TH-2 20	34.6	40500 B	337 B	0.0641	28.4 B	3870	3.97	0.448 J	7870	ND	113	82.4
TH-2 30	29.3	35100 B	322 B	ND	22.9 B	2780	2.19	0.387 J	11100	ND	89.7	73.8
TH-2 40	26.8	36400 B	342 B	0.0107 J	20.1 B	5180	3.43	0.477 J	13200	ND	103	73.6
TH-2 50	29.7	39900 B	353 B	0.0708	25.0 B	3840	3.72	0.471 J	9390	ND	95.9	83.4
TH-3 10	27.3	37100 B	350 B	0.0562	22.3 B	2840	3.19	0.360 J	5760	ND	93.5	75.5
TH-3 21.5	42.2	42500 B	327 B	0.0218 J	28.9 B	4300	3.27	0.441 J	9790	ND	108	81.2
TH-3 30	24.5	41300 B	359 B	0.0356 J	20.1 B	3780	2.87	0.440 J	8080	ND	105	80.2
TH-3 40	23.6	38300 B	387 B	NA	19.6 B	4490	2.25	0.361 J	10200	ND	82.8	78.0
TH-3 50	32.4	37200 B	370 B	0.0559	22.9 B	4310	2.84	0.494 J	9120	ND	108	84.8
TH-3 60	14.4	22400 B	313 B	0.295	16.2 B	5370	0.918 J	0.346 J	4790	ND	53.0	60.1
TH-4 10	23.2	38200	370 B	0.0119 J	20.3	3990	2.57	0.481 J	8690	ND	88.4	67.4
TH-4 20	22.7	39900	342 B	ND	18.9	3450	2.09	0.257 J	7740	ND	82.5	64.9
TH-4 28	9.83	12100	355 B	0.0482	20.5	2560	1.01	1.30	3710	ND	27.5	37.3
Relic Pond												
TH-5 3.5	27.4	39400	333 B	0.0247 J	22.1	3460	3.07	0.385 J	8730	ND	86.7	72.7
TH-5 10	13.5	8420	242 B	0.0636	15.4	3730	1.06	0.374 J	1960	ND	39.7	61.1
TH-7 3.5	19.7	29600	312 B	0.0260 J	21.7	4340	3.00	0.483 J	4200	ND	87.0	104
TH-7 8	16.9	11100	214 B	0.0506	16.8	4590	1.14	0.537 J	2010	ND	51.1	64.9
Upper Impoundment												
TH-8 3	13.5	21300	324 B	0.0656	13.4	3760	1.63	0.285 J	4070	ND	55.7	47.7
TH-8 5	9.80	19400	396 B	0.00993	11.8	3760	0.866 J	0.282 J	2860	ND	41.3	42.5

Table B-1: Results for Metals in Soils, µg/kg (continued)												
ID	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc
CDPHE TVS[1]	400	-	-	17.66	-	-	-	-	-	-	-	-
EPA RBCs - Industrial Standards[2]	-	-	47,000	610 (inorganic)	41,000	-	10,000	10,000	-	140 (oxide)	14,000	610,000
EPA RBCs - Residential Standards[2]	-	-	1,800	23 (inorganic)	1,600	-	390	390	-	5.5 (oxide)	550	3,900
Shale Pile												
TH-9 3	24.2	33200	328 B	J 0.358	17.1	3490	4.54	0.325 J	6410	ND	87.7	61.8
TH-9 5	13.6	15800	331 B	0.248	13.8	4770	3.09	0.309 J	2600	ND	42.9	56.0
Lower Impoundment												
TH-10 5	11.9	15300	357 B	0.0224 J	12.8	4110	ND	0.424 J	2250	ND	43.6	50.2
TH-11 6	12.5	17200	385 B	ND	13.4	4980	ND	0.366 J	3040	ND	43.9	57.9

1. CDPHE Table Value Standards (TVS) for Residential/Unrestricted Land Use
2. EPA: Ingestion Risk-Based Concentrations (RBC) of Inorganic Chemicals of Potential Concern in Soils, from EPA Region III

- No value is listed

µg/kg – micrograms per kilogram

ND – Not detected

J - Estimated value below practical quantification limit but above method detection limit

B - Analyte detected in method blank

Table B-2: TCLP Results for Metals in Soils, µg/L								
ID	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
EPA TCLP Limits	5000	100,000	1000	5000 (Total Chromium)	5000	200	1000	5000
Shale Pile								
TH-1 10	0.00977 J	0.261 B	ND	ND	0.0266 JB	ND	0.0413 J	0.00425 J
TH-1 20	ND	0.276 B	ND	0.00823 JB	0.00472 JB	ND	0.0460 J	ND
TH-1 35	ND	0.371 B	0.000757 J	0.0143 JB	0.00219 JB	ND	0.0163 J	ND
TH-1 40	ND	0.271 B	0.00114 J	0.0173 JB	0.00406 JB	ND	0.0239 J	ND
TH-2 10	ND	0.326 B	0.000481 J	ND	0.0282 JB	ND	ND	0.00334 J
TH-2 20	ND	0.237 B	0.00322 J	ND	0.0291 JB	ND	0.00940 J	0.00472 J
TH-2 30	ND	0.516 B	0.00706 J	ND	0.0152 JB	ND	0.00792 J	ND
TH-2 40	ND	0.245 B	0.00109 J	ND	0.0303 JB	ND	ND	0.00435 J
TH-2 50	ND	0.355 B	0.00138 J	ND	0.0267 JB	ND	ND	0.00354 J
TH-3 10	ND	2.24 B	0.00105 J	0.000809 JB	0.0162 JB	ND	ND	ND
TH-3 21.5	ND	1.53 B	ND	ND	0.0389 JB	ND	ND	0.00429 J
TH-3 30	ND	0.690 B	ND	ND	0.0305 JB	ND	ND	0.00369 J
TH-3 40	ND	0.783 B	0.000722 J	ND	0.0346 JB	ND	ND	0.00154 J
TH-3 50	ND	0.988 B	0.00362 J	ND	0.0317 JB	ND	ND	ND
TH-3 60	0.0168 J	3.07	0.0187	0.0173 J	0.130 JB	ND	ND	ND
TH-4 10	0.00927 J	3.91	0.00800 J	0.109	0.0682 JB	ND	0.0120 J	ND
TH-4 20	0.0145 J	2.16	0.00806 J	0.0332	0.0767 JB	ND	0.00657 J	ND
TH-4 28	0.0157 J	0.661	0.0162	0.0721	0.0868 JB	ND	ND	ND

Relic Pond								
TH-5 3.5	0.0193 J	0.483	0.0118 J	0.128	0.0694 JB	ND	ND	ND
TH-5 10	0.0270 J	1.21	0.0232	0.0117 J	0.103 JB	ND	ND	ND
TH-7 3.5	0.0143 J	0.651	0.0110 J	0.0621	0.0774 JB	ND	ND	ND
TH-7 8	0.00822 J	1.61	0.0225	0.0150 J	0.0825 JB	ND	ND	ND
Upper Impoundment								
TH-8 3	0.0146 J	2.83	0.0112 J	0.0867	0.0629 JB	ND	ND	ND
TH-8 5	0.0194 J	2.86	0.0163	0.0191 J	0.0867 JB	ND	ND	ND
TH-9 3	0.0152 J	3.49	0.00969 J	0.100	0.0566 JB	ND	ND	ND
TH-9 5	0.00706 J	1.06	0.0141 J	ND	0.0472 JB	ND	ND	ND
Lower Impoundment								
TH-10 5	0.0103 J	2.17	0.0109 J	ND	0.0486 JB	ND	ND	ND
TH-11 6	0.0123 J	1.43	0.0120 J	ND	0.0514 JB	ND	ND	ND

- No value is listed

µg/L – micrograms per liter
ND – Not detected
J - Estimated value below practical quantification limit but above method detection limit
B - Analyte detected in method blank

Table B-3: TCLP Results for SVOCs in Soils, µg/L									
ID	1,4-Dichloro benzene	2,4,5-Trichloro phenol	2,4,6-Tribromophenol	2,4,6-Trichloro phenol	2,4-Dinitrotoluene	2-Fluorobi phenyl	2-Fluorophenol	2-Methylphenol	4-Methylphenol/ 3-Methylphenol
EPA TCLP Limits	7500	400,000	-	2000	130	-	-	-	-
Shale Pile									
TH-1 10	ND	ND	0.220	ND	ND	0.165	0.0983	ND	ND
TH-1 20	ND	ND	0.223	ND	ND	0.172	0.0846	ND	ND
TH-1 35	ND	ND	0.262	ND	ND	0.201	0.121	ND	ND
TH-1 40	ND	ND	0.216	ND	ND	0.143	0.0940	ND	ND
TH-2 10	ND	ND	0.257	ND	ND	0.187	0.121	ND	ND
TH-2 20	ND	ND	0.268	ND	ND	0.194	0.109	ND	ND
TH-2 30	ND	ND	0.239	ND	ND	0.183	0.105	ND	ND
TH-2 40	ND	ND	0.252	ND	ND	0.200	0.122	ND	ND
TH-2 50	ND	ND	0.257	ND	ND	0.191	0.110	ND	ND
TH-3 10	ND	ND	0.210	ND	ND	0.149	0.0944	ND	ND
TH-3 21.5	ND	ND	0.253	ND	ND	0.182	0.100	ND	ND
TH-3 30	ND	ND	0.197	ND	ND	0.137	0.0854	ND	ND
TH-3 40	ND	ND	0.254	ND	ND	0.177	0.105	ND	ND
TH-3 50	ND	ND	0.253	ND	ND	0.176	0.117	ND	ND
TH-3 60	ND	ND	0.228	ND	ND	0.125	0.0645	ND	ND
TH-4 10	ND	ND	0.229	ND	ND	0.155	0.0863	ND	ND
TH-4 20	ND	ND	0.230	ND	ND	0.140	0.0710	ND	ND
TH-4 28	ND	ND	0.275	ND	ND	0.177	0.107	ND	ND
Relic Pond									
TH-5 3.5	ND	ND	0.219	ND	ND	0.140	0.0853	ND	ND
TH-5 10	ND	ND	0.197	ND	ND	0.123	0.0815	ND	ND
TH-7 3.5	ND	ND	0.260	ND	ND	0.179	0.0906	ND	ND
TH-7 8	ND	ND	0.193	ND	ND	0.141	0.0916	ND	ND

Upper Impoundment									
TH-8 3	ND	ND	0.224	ND	ND	0.144	0.0950	ND	ND
TH-8 5	ND	ND	0.188	ND	ND	0.113	0.0745	ND	ND
TH-9 3	ND	ND	0.267	ND	ND	0.170	0.112	ND	ND
TH-9 5	ND	ND	0.253	ND	ND	0.168	0.106	ND	ND
Lower Impoundment									
TH-10 5	ND	ND	0.223	ND	ND	0.146	0.0861	ND	ND
TH-11 6	ND	ND	0.164	ND	ND	0.103	0.0663	ND	ND

- No value is listed

µg/kg – micrograms per kilogram

ND – Not detected

Table B-3: TCLP Results for SVOCs in Soils, µg/L (continued)

ID	Hexachloro benzene	Hexachloro butadiene	Hexachloro ethane	Nitrobenzene	Nitrobenzene-d5	Pentachloro phenol	Pyridine
EPA TCLP Limits	130	500	3000	2000	-	100,000	5000
Shale Pile							
TH-1 10	ND	ND	ND	ND	0.163	ND	ND
TH-1 20	ND	ND	ND	ND	0.179	ND	ND
TH-1 35	ND	ND	ND	ND	0.209	ND	ND
TH-1 40	ND	ND	ND	0.141	ND	0.0737	0.241
TH-2 10	ND	ND	ND	ND	0.189	ND	ND
TH-2 20	ND	ND	ND	ND	0.189	ND	ND
TH-2 30	ND	ND	ND	ND	0.188	ND	ND
TH-2 40	ND	ND	ND	ND	0.195	ND	ND
TH-2 50	ND	ND	ND	ND	0.182	ND	ND
TH-3 10	ND	ND	ND	ND	0.157	ND	ND
TH-3 21.5	ND	ND	ND	ND	0.176	ND	ND
TH-3 30	ND	ND	ND	ND	0.141	ND	ND
TH-3 40	ND	ND	ND	ND	0.179	ND	ND
TH-3 50	ND	ND	ND	ND	0.191	ND	ND
TH-3 60	ND	ND	ND	ND	0.121	ND	ND
TH-4 10	ND	ND	ND	ND	0.154	ND	ND
TH-4 20	ND	ND	ND	ND	0.139	ND	ND
TH-4 28	ND	ND	ND	ND	0.190	ND	ND

Relic Pond							
TH-5 3.5	ND	ND	ND	ND	0.141	ND	ND
TH-5 10	ND	ND	ND	ND	0.128	ND	ND
TH-7 3.5	ND	ND	ND	ND	0.178	ND	ND
TH-7 8	ND	ND	ND	ND	0.145	ND	ND
Upper Impoundment							
TH-8 3	ND	ND	ND	ND	0.138	ND	ND
TH-8 5	ND	ND	ND	ND	0.106	ND	ND
TH-9 3	ND	ND	ND	ND	0.166	ND	ND
TH-9 5	ND	ND	ND	ND	0.157	ND	ND
Lower Impoundment							
TH-10 5	ND	ND	ND	ND	0.148	ND	ND
TH-11 6	ND	ND	ND	ND	0.107	ND	ND

- No value is listed

µg/kg – micrograms per kilogram

ND – Not detected

Table B-4: TCLP Results for VOCs in Soils, µg/L								
ID	1,1-Dichloroethene	1,2-Dichloroethane	2-Butanone	4-Bromofluorobenzene	Benzene	Carbon tetrachloride	Chlorobenzene	Chloroform
EPA TCLP Limits	700	500	-	-	500	500	100,000	6000
Shale Pile								
TH-1 10	ND	ND	ND	0.530	ND	ND	ND	ND
TH-1 20	ND	ND	ND	0.542	ND	ND	ND	ND
TH-1 35	ND	ND	ND	0.535	ND	ND	ND	ND
TH-1 40	ND	ND	ND	0.525	ND	ND	ND	ND
TH-10 5	ND	ND	ND	0.498	ND	ND	ND	ND
TH-11 6	ND	ND	ND	0.491	ND	ND	ND	ND
TH-3 30	ND	ND	ND	0.543	ND	ND	ND	ND
TH-3 50	ND	ND	ND	0.547	ND	ND	ND	ND
TH-3 60	ND	ND	ND	0.558	ND	ND	ND	ND
TH-4 10	ND	ND	ND	0.550	ND	ND	ND	ND
Upper Impoundment								
TH-8 5	ND	ND	ND	0.496	ND	ND	ND	ND
TH-9 3	ND	ND	ND	0.496	ND	ND	ND	ND
TH-9 5	ND	ND	ND	0.489	ND	ND	ND	ND

- No value is listed
µg/kg – micrograms per kilogram
ND – Not detected

Table B-4: TCLP Results for VOCs in Soils, µg/L (cont.)			
ID	Tetrachloroethene	Trichloroethene	Vinyl chloride
EPA TCLP Limits	700	500	200
TH-1 10	ND	ND	ND
TH-1 20	ND	ND	ND
TH-1 35	ND	ND	ND
TH-1 40	ND	ND	ND
TH-10 5	ND	ND	ND
TH-11 6	ND	ND	ND
TH-3 30	ND	ND	ND
TH-3 50	ND	ND	ND
TH-3 60	ND	ND	ND
TH-4 10	ND	ND	ND
TH-8 5	ND	ND	ND
TH-9 3	ND	ND	ND
TH-9 5	ND	ND	ND

- No value is listed

µg/kg – micrograms per kilogram

ND – Not detected

Table B-5: Results for Pesticides in Soils, µg/kg											
ID	4,4´-DDD	4,4´-DDE	4,4´-DDT	Aldrin	alpha-BHC	alpha-Chlordane	beta-BHC	delta-BHC	Dieldrin	Endosulfan I	Endosulfan II
Upper Impoundment											
TH-5 3.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TH-5 10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TH-7 3.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TH-7 8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TH-8 3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TH-8 5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TH-9 3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TH-9 5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lower Impoundment											
TH-10 5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TH-11 6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

µg/kg – micrograms per kilogram
ND – Not detected

Table B-5: Results for Pesticides in Soils, µg/kg (continued)										
ID	Endosulfan sulfate	Endrin	Endrin aldehyde	Endrin ketone	gamma-BHC	gamma-Chlordane	Heptachlor	Heptachlor epoxide	Methoxychlor	Toxaphene
Upper Impoundment										
TH-5 3.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TH-5 10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TH-7 3.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TH-7 8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TH-8 3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TH-8 5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TH-9 3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lower Impoundment										
TH-10 5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TH-11 6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

µg/kg – micrograms per kilogram
ND – Not detected

Table B-6: Results for PCBs in Soils, µg/kg[1,2]							
ID	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
Upper Impoundment							
TH-5 3.5	ND	ND	ND	ND	ND	ND	ND
TH-5 10	ND	ND	ND	ND	ND	ND	ND
TH-7 3.5	ND	ND	ND	ND	ND	ND	ND
TH-7 8	ND	ND	ND	ND	ND	ND	ND
TH-8 3	ND	ND	ND	ND	ND	ND	ND
TH-8 5	ND	ND	ND	ND	ND	ND	ND
TH-9 3	ND	ND	ND	ND	ND	ND	ND
Lower Impoundment							
TH-10 5	ND	ND	ND	ND	ND	ND	ND
TH-11 6	ND	ND	ND	ND	ND	ND	ND

1. For Total PCBs, the CDPHE Table Value Standard (TVS) for Residential/Unrestricted Land Use is 70 µg/kg.
2. For Total PCBs, from Ingestion Risk-Based Concentrations (RBC) of Inorganic Chemicals of Potential Concern in Soils, from EPA Region III: EPA RBCs are: Industrial - 1400 µg/kg and Residential - 320 µg/kg.

µg/kg – micrograms per kilogram
ND – Not detected