

Table U-8.
Summary of Exposure Point Concentrations for Surface Sediment (0-0.6 inches bgs)

CPEC	A-series Ponds			Pond 13			Pond 18			Pond A5			RCF Pond			Stormwater Ponds		
	Max	Non-spatial EPC	Spatial EPC	Max	Non-spatial EPC	Spatial EPC	Max	Non-spatial EPC	Spatial EPC	Max	Non-spatial EPC	Spatial EPC	Max	Non-spatial EPC	Spatial EPC	Max	Non-spatial EPC	Spatial EPC
Inorganics (mg/kg)																		
Antimony	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Arsenic	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Barium	160	160	NC	85	85	NC	200	200	NC	4400	4400	NC	750	750	NC	750	447.2	NC
Beryllium	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Cadmium	20.9	12.72	NC	4.8	4.8	NC	8.1	8.1	NC	26	26	NC	3.8	2.376	NC	20.9	8.673	NC
Chromium	28	28	NC	27	27	NC	55	55	NC	76	76	NC	42	42	NC	42	30.62	NC
Cobalt	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Copper	43.6	33.38	NC	19.9	19.9	NC	55	55	NC	56	56	NC	29	22.74	NC	43.6	24.49	NC
Total Cyanide	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Lead	9.77	9.77	NC	8.62	8.62	NC	12	12	NC	ND	ND	NC	9.47	9.075	NC	9.77	8.667	NC
Manganese	280	280	NC	180	180	NC	130	130	NC	430	430	NC	340	340	NC	340	231.2	NC
Mercury	0.04	0.04	NC	0.05	0.05	NC	0.048	0.048	NC	ND	ND	NC	0.05	0.0384	NC	0.05	0.0358	NC
Molybdenum	21	21	NC	ND	ND	NC	11	11	NC	15	15	NC	6.3	6.3	NC	21	8.703	NC
Nickel	164	118.3	NC	85.8	85.8	NC	120	120	NC	180	180	NC	58.9	46.46	NC	164	72.18	NC
Selenium	9.4	9.4	NC	3.1	3.1	NC	15	15	NC	7	7	NC	2.7	2.7	NC	9.4	9.4	NC
Silver	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Thallium	0.51	0.51	NC	ND	ND	NC	0.67	0.67	NC	ND	ND	NC	0.29	0.29	NC	0.51	0.51	NC
Tin	47	47	NC	69	69	NC	62	62	NC	ND	ND	NC	40	40	NC	69	69	NC
Vanadium	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Zinc	112	90.2	NC	72.3	72.3	NC	90	90	NC	110	110	NC	80	69.09	NC	112	71.7	NC
Dioxins/Furans (pg/g)																		
Total Avian Dioxin TEQ	0.000000348	0.000000348	NC	8.83E-09	8.83E-09	NC	0.000001069	1.069E-06	NC	4.34E-08	4.34E-08	NC	0.000000383	3.83E-07	NC	0.000000383	3.83E-07	NC
Total Mammalian Dioxin TEQ	0.000000297	0.000000297	NC	2.38E-08	2.38E-08	NC	0.000001495	1.495E-06	NC	9.57E-08	9.57E-08	NC	0.000000215	2.15E-07	NC	0.000000297	2.97E-07	NC
Herbicides (mg/kg)																		
2,4-Dichlorophenoxybutyric acid (2,4-DB)	0.041	0.041	NC	ND	ND	NC	0.045	0.045	NC	ND	ND	NC	0.1	0.1	NC	0.1	0.1	NC
Dalapon	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Dichlorprop	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	0.02	0.02	NC	0.02	0.02	NC
MCPA	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
MCPP	ND	ND	NC	ND	ND	NC	3.1	3.1	NC	2	2	NC	1	1	NC	1	1	NC
Polycyclic Aromatic Hydrocarbons (PAHs) (mg/kg)																		
2-Methylnaphthalene	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Acenaphthene	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Anthracene	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Benzo(a)anthracene	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Benzo(a)pyrene	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Benzo(b)fluoranthene	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Benzo(g,h,i)perylene	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Benzo(k)fluoranthene	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Chrysene	ND	ND	NC	ND	ND	NC	0.0024	0.0024	NC	ND	ND	NC	0.011	0.011	NC	0.011	0.011	NC

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	Max	Non-spatial EPC	Spatial EPC	Max	Non-spatial EPC	Spatial EPC	Max	Non-spatial EPC	Spatial EPC	Max	Non-spatial EPC	Spatial EPC	Max	Non-spatial EPC	Spatial EPC	Max	Non-spatial EPC	Spatial EPC
Dibenzo(a,h)anthracene	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Fluoranthene	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Fluorene	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	0.0027	0.0027	NC	0.0027	0.0027	NC
Indeno(1,2,3-c,d)pyrene	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Naphthalene	0.0039	0.0039	NC	0.017	0.017	NC	0.0069	0.0069	NC	0.009	0.009	NC	ND	ND	NC	0.017	0.017	NC
Phenanthrene	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Pyrene	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	0.017	0.017	NC	0.017	0.017	NC
Total LMW PAH	No Data	No Data	NC	No Data	No Data	NC	No Data	No Data	NC	No Data	No Data	NC	No Data	No Data	NC	No Data	No Data	NC
Total HMW PAH	No Data	No Data	NC	No Data	No Data	NC	No Data	No Data	NC	No Data	No Data	NC	No Data	No Data	NC	No Data	No Data	NC
Polychlorinated Biphenyls (PCBs)																		
Aroclor 1260 (mg/kg)	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	0.099	0.099	NC	0.099	0.0658	NC
Sum of PCB Congeners (pg/g)	0.0001918	0.0001918	NC	0.003492	0.003492	NC	0.00306	0.00306	NC	0.004463	0.004463	NC	0.163621	0.163621	NC	0.163621	0.163621	NC
Total Avian PCB TEQ (pg/g)	0.00000018	0.00000018	NC	3.478E-06	3.478E-06	NC	0.000004933	4.933E-06	NC	6.486E-06	6.486E-06	NC	0.000109	0.000109	NC	0.000109	0.000109	NC
Total Mammalian PCB TEQ (pg/g)	1.94E-09	1.94E-09	NC	5.12E-07	5.12E-07	NC	0.000000753	7.53E-07	NC	8.99E-07	8.99E-07	NC	0.00001164	0.00001164	NC	0.00001164	0.00001164	NC
Pesticides (mg/kg)																		
4,4'-DDD	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	0.012	0.012	NC	0.012	0.012	NC
4,4'-DDE	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
4,4'-DDT	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	0.0081	0.0081	NC	0.0081	0.0081	NC
Total DDT	No Data	No Data	NC	No Data	No Data	NC	No Data	No Data	NC	No Data	No Data	NC	No Data	No Data	NC	No Data	No Data	NC
Chlordane, alpha	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Endosulfan I	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Endosulfan II	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Endosulfan sulfate	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	0.0089	0.0089	NC	0.0089	0.0089	NC
Endrin	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Heptachlor	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Hexachlorobenzene	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	0.00095	0.00095	NC	0.00095	0.00095	NC
Kepone	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Methoxychlor	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Semi-Volatile Organic Compounds (SVOCs) (mg/kg)																		
Bis(2-chloroethyl)ether	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Bis(2-ethylhexyl)phthalate	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Diethylphthalate	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
N-Nitrosodiethylamine	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
N-Nitrosodipropylamine	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
N-Nitrosopyrrolidine	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Volatile Organic Compounds (VOCs) (mg/kg)																		
1,1,1-Trichloroethane	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
1,1-Dichloroethane	ND	ND	NC	ND	ND	NC	ND	ND	NC	0.052	0.052	NC	0.012	0.012	NC	0.012	0.012	NC
1,1-Dichloroethylene	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
1,2-Dibromoethane (EDB)	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
1,2-Dichloroethene	ND	ND	NC	ND	ND	NC	ND	ND	NC	0.0058	0.0058	NC	ND	ND	NC	ND	ND	NC
Acetone	No Data	ND	NC	No Data	ND	NC	No Data	ND	NC	No Data	ND	NC	0.065	0.065	NC	0.065	0.065	NC
Acetonitrile	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC

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Acrolein	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Benzene	ND	ND	NC	ND	ND	NC	ND	ND	NC	0.027	0.027	NC	ND	ND	NC	ND	ND	NC
Carbon disulfide	ND	ND	NC	0.15	0.15	NC	0.031	0.031	NC	0.054	0.054	NC	0.052	0.052	NC	0.15	0.0489	NC
Diisopropyl ether	ND	ND	NC	ND	ND	NC	ND	ND	NC	0.004	0.004	NC	ND	ND	NC	ND	ND	NC
Ethylbenzene	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Ethylene glycol	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Freon 113 (1,1,2-trichloro-1,2,2-trifluoroethane)	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Isopropanol	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Methyl ethyl ketone	No Data	ND	NC	No Data	ND	NC	No Data	ND	NC	No Data	ND	NC	ND	ND	NC	ND	ND	NC
Methyl isobutyl ketone (MIBK)	No Data	ND	NC	No Data	ND	NC	No Data	ND	NC	No Data	ND	NC	ND	ND	NC	ND	ND	NC
Methylcyclopentane	ND	ND	NC	ND	ND	NC	ND	ND	NC	0.28	0.28	NC	ND	ND	NC	ND	ND	NC
Methylene chloride	0.0026	0.0026	NC	ND	ND	NC	0.006	0.006	NC	0.014	0.014	NC	0.0029	0.0029	NC	0.0029	0.0029	NC
Nonanal	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Propanal	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Tert-Butyl alcohol (TBA)	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Tetrachloroethylene	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Tetrahydrofuran	ND	ND	NC	ND	ND	NC	ND	ND	NC	0.0042	0.0042	NC	ND	ND	NC	ND	ND	NC
Toluene	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC
Trichloroethylene	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC	ND	ND	NC

Footnotes at the end of Table U-9.