

Table 1
Applicable Screening Criteria - Sediment

Analyte	Units	MCP RCS-1	Ecological RBST	Human RBST 1E-05	Human RBST 1E-06	NPS ESV ¹	NPS Background Study BTV	Literature- Based Background	Lowest Applicable Screening Level	Basis
Organochlorine Pesticides										
4,4'-DDD	µg/Kg	8,000	-	100	10	7.81	42	-	42	Background
4,4'-DDE	µg/Kg	6,000	115,000	100	10	N/A	58	-	58	Background
4,4'-DDT	µg/Kg	6,000	1,170	240	24	N/A	-	-	24	Human RBST 1E-06
Aldrin	µg/Kg	80	-	-	-	-	-	-	80	RCS-1
alpha-BHC	µg/Kg	50,000	-	-	-	-	-	-	50,000	RCS-1
beta-BHC	µg/Kg	10,000	-	-	-	-	-	-	10,000	RCS-1
Chlordane (technical)	µg/Kg	5,000	-	-	-	4.8	-	-	4.8	NPS ESV
delta-BHC	µg/Kg	10,000	-	-	-	-	-	-	10,000	RCS-1
Dieldrin	µg/Kg	80	19,100	0.53	0.053	N/A	7.1	-	7.1	Background
Endosulfan I	µg/Kg	500	-	-	-	-	-	-	500	RCS-1
Endosulfan II	µg/Kg	500	-	-	-	-	-	-	500	RCS-1
Endosulfan sulfate	µg/Kg	-	-	-	-	45	-	-	45	NPS ESV
Endrin	µg/Kg	10,000	-	-	-	-	-	-	10,000	RCS-1
Endrin ketone	µg/Kg	-	-	-	-	-	-	-	-	
gamma-BHC (Lindane)	µg/Kg	3	-	-	-	0.99	-	-	0.99	NPS ESV
Heptachlor	µg/Kg	300	-	-	-	-	-	-	300	RCS-1
Heptachlor epoxide	µg/Kg	100	-	-	-	-	-	-	100	RCS-1
Hexachlorobenzene	µg/Kg	700	-	-	-	-	-	-	700	RCS-1
Methoxychlor	µg/Kg	2,000,000	-	44		-	-	-	44	Human RBST
Metals										
Antimony	mg/Kg	20	-	-	-	25	-	-	25	NPS ESV
Arsenic	mg/Kg	20	877	1.7	0.17	N/A	23	-	23	Background
Beryllium	mg/Kg	90	-	-	-	-	-	-	90	RCS-1
Cadmium	mg/Kg	70	-	-	-	4.2	-	-	4.2	NPS ESV
Chromium	mg/Kg	100	-	-	-	160	-	-	100	RCS-1
Copper	mg/Kg	1,000	-	-	-	108	-	-	108	NPS ESV
Lead	mg/Kg	200	-	-	-	112	-	-	112	NPS ESV
Mercury	mg/Kg	20	0.792	0.3		N/A	-	-	0.3	Human RBST
Nickel	mg/Kg	600	3,500	200		N/A	-	-	200	Human RBST
Selenium	mg/Kg	400	-	-	-	-	-	-	400	RCS-1
Silver	mg/Kg	100	-	-	-	1.77	-	-	1.77	NPS ESV
Thallium	mg/Kg	8	-	-	-	-	-	-	8	RCS-1
Zinc	mg/Kg	1,000	-	-	-	271	-	-	271	NPS ESV

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Polychlorinated Biphenyls (PCBs)										
Total PCBs	µg/Kg	1,000	6,500	26	3.7	N/A	-	35.4	35.4	Background
Polycyclic Aromatic Hydrocarbons (PAHs)										
2-Methylnaphthalene	µg/Kg	700	-	-	-	201	-	-	201	NPS ESV
Acenaphthene	µg/Kg	4,000	-	-	-	89	-	-	89	NPS ESV
Acenaphthylene	µg/Kg	1,000	5,450,000	79,000		N/A	-	-	1,000	RCS-1
Anthracene	µg/Kg	1,000,000	38,800	580,000		N/A	-	5.4	38,800	Ecological RBST
Benzo[a]anthracene	µg/Kg	7,000	28,100	56	5.6	N/A	-	20.3	20.3	Background
Benzo[a]pyrene	µg/Kg	2,000	1,260,000	9	0.89	N/A	-	42.4	42.4	Background
Benzo[b]fluoranthene	µg/Kg	7,000	12,500	65	6.5	-	-	89.7	89.7	Background
Benzo[g,h,i]perylene	µg/Kg	1,000,000	1,260,000	45,000		-	-	30.1	45,000	Human RBST
Benzo[k]fluoranthene	µg/Kg	70,000	12,500	710	71	-	-	89.7	89.7	Background
Chrysene	µg/Kg	70,000	2,870	390	39	N/A	-	32.9	39	Human RBST 1E-06
Dibenz(a,h)anthracene	µg/Kg	700	1,260,000	8.2	0.82	N/A	-	8.5	8.50	Background
Fluoranthene	µg/Kg	1,000,000	216,000	64,000		N/A	-	61.8	64,000	Human RBST
Fluorene	µg/Kg	1,000,000	5,450,000	33,000		N/A	-	3.5	33,000	Human RBST
Indeno[1,2,3-cd]pyrene	µg/Kg	7,000	1,260,000	140	14	-	-	28	28	Background
Naphthalene	µg/Kg	4,000	-	-	-	391	-	21	391	NPS ESV
Phenanthrene	µg/Kg	10,000	2,300	82,000		N/A	-	49.2	2,300	Ecological RBST
Pyrene	µg/Kg	1,000,000	216,000	28,000		N/A	-	4.4	28,000	Human RBST
LMW PAHs	µg/Kg	-	-	-	-	1,442	-	-	1,442	NPS ESV
HMW PAHs	µg/Kg	-	-	-	-	6,676	-	-	6,676	NPS ESV
Semi Volatile Organic Compounds										
1,1'-Biphenyl	µg/Kg	50	-	-	-	-	-	-	50	RCS-1
bis (2-chloroisopropyl) ether	µg/Kg	700	-	-	-	-	-	-	700	RCS-1
2,4,5-Trichlorophenol	µg/Kg	4,000	-	-	-	-	-	-	4,000	RCS-1
2,4,6-Trichlorophenol	µg/Kg	700	-	-	-	-	-	-	700	RCS-1
2,4-Dichlorophenol	µg/Kg	700	-	-	-	-	-	-	700	RCS-1
2,4-Dimethylphenol	µg/Kg	700	-	-	-	-	-	-	700	RCS-1
2,4-Dinitrophenol	µg/Kg	3,000	-	-	-	-	-	-	3,000	RCS-1
2,4-Dinitrotoluene	µg/Kg	700	-	-	-	-	-	-	700	RCS-1
2,6-Dinitrotoluene	µg/Kg	100,000	-	-	-	-	-	-	100,000	RCS-1
2-Chloronaphthalene	µg/Kg	1,000,000	-	-	-	-	-	-	1,000,000	RCS-1
2-Chlorophenol	µg/Kg	700	-	-	-	-	-	-	700	RCS-1
2-Methylphenol	µg/Kg	500,000	-	-	-	-	-	-	500,000	RCS-1
2-Nitroaniline	µg/Kg	-	-	-	-	-	-	-	-	
2-Nitrophenol	µg/Kg	100,000	-	-	-	-	-	-	100,000	RCS-1
3,3'-Dichlorobenzidine	µg/Kg	3,000	-	-	-	-	-	-	3,000	RCS-1

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3-Nitroaniline	µg/Kg	-	-	-	-	-	-	-	-	
4,6-Dinitro-2-methylphenol	µg/Kg	50,000	-	-	-	-	-	-	50,000	RCS-1
4-Bromophenyl phenyl ether	µg/Kg	100,000	-	-	-	-	-	-	100,000	RCS-1
4-Chloro-3-methylphenol	µg/Kg	1,000,000	-	-	-	-	-	-	1,000,000	RCS-1
4-Chloroaniline	µg/Kg	1,000	-	-	-	-	-	-	1,000	RCS-1
4-Chlorophenyl phenyl ether	µg/Kg	1,000,000	-	-	-	-	-	-	1,000,000	RCS-1
4-Nitroaniline	µg/Kg	1,000,000	-	-	-	-	-	-	1,000,000	RCS-1
4-Nitrophenol	µg/Kg	100,000	-	-	-	-	-	-	100,000	RCS-1
Acetophenone	µg/Kg	1,000,000	-	-	-	-	-	-	1,000,000	RCS-1
Atrazine	µg/Kg	100,000	-	-	-	-	-	-	100,000	RCS-1
Benzaldehyde	µg/Kg	100,000	-	-	-	-	-	-	100,000	RCS-1
Bis(2-chloroethoxy)methane	µg/Kg	500,000	-	-	-	-	-	-	500,000	RCS-1
Bis(2-chloroethyl)ether	µg/Kg	700	-	-	-	-	-	-	700	RCS-1
Bis(2-ethylhexyl) phthalate	µg/Kg	90,000	-	-	-	2,600	-	-	2,600	NPS ESV
Butyl benzyl phthalate	µg/Kg	100,000	-	-	-	-	-	-	100,000	RCS-1
Caprolactam	µg/Kg	-	-	-	-	-	-	-	-	
Carbazole	µg/Kg	-	-	-	-	-	-	-	-	
Dibenzofuran	µg/Kg	100,000	-	-	-	-	-	-	100,000	RCS-1
Diethyl phthalate	µg/Kg	10,000	-	-	-	-	-	-	10,000	RCS-1
Dimethyl phthalate	µg/Kg	700	-	-	-	-	-	-	700	RCS-1
Di-n-butyl phthalate	µg/Kg	50,000	-	-	-	-	-	-	50,000	RCS-1
Di-n-octyl phthalate	µg/Kg	1,000,000	-	-	-	-	-	-	1,000,000	RCS-1
Hexachlorobenzene	µg/Kg	700	-	-	-	-	-	-	700	RCS-1
Hexachlorobutadiene	µg/Kg	30,000	-	-	-	-	-	-	30,000	RCS-1
Hexachlorocyclopentadiene	µg/Kg	50,000	-	-	-	-	-	-	50,000	RCS-1
Hexachloroethane	µg/Kg	700	-	-	-	-	-	-	700	RCS-1
Isophorone	µg/Kg	100,000	-	-	-	-	-	-	100,000	RCS-1
N-Nitrosodi-n-propylamine	µg/Kg	50,000	-	-	-	-	-	-	50,000	RCS-1
N-Nitrosodiphenylamine	µg/Kg	100,000	-	-	-	-	-	-	100,000	RCS-1
Nitrobenzene	µg/Kg	500,000	-	-	-	-	-	-	500,000	RCS-1
Pentachlorophenol	µg/Kg	3,000	-	-	-	-	-	-	3,000	RCS-1
Phenol	µg/Kg	1,000	-	-	-	-	-	-	1,000	RCS-1
3 & 4 Methylphenol	µg/Kg	-	-	-	-	-	-	-	-	

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Volatile Organic Compounds										
1,1,1,2-Tetrachloroethane	µg/Kg	100	-	-	-	-	-	-	100	RCS-1
1,1,1-Trichloroethane	µg/Kg	30,000	-	-	-	-	-	-	30,000	RCS-1
1,1,2,2-Tetrachloroethane	µg/Kg	5	-	-	-	-	-	-	5	RCS-1
1,1,2-Trichloroethane	µg/Kg	100	-	-	-	-	-	-	100	RCS-1
1,1-Dichloroethane	µg/Kg	400	-	-	-	-	-	-	400	RCS-1
1,1-Dichloroethene	µg/Kg	3,000	-	-	-	-	-	-	3,000	RCS-1
1,1-Dichloropropene	µg/Kg	-	-	-	-	-	-	-	-	
1,2,3-Trichlorobenzene	µg/Kg	-	-	-	-	-	-	-	-	
1,2,3-Trichloropropane	µg/Kg	100,000	-	-	-	-	-	-	100,000	RCS-1
1,2,4-Trichlorobenzene	µg/Kg	2,000	-	-	-	-	-	-	2,000	RCS-1
1,2,4-Trimethylbenzene	µg/Kg	1,000,000	-	-	-	-	-	-	1,000,000	RCS-1
1,2-Dibromo-3-Chloropropane	µg/Kg	10,000	-	-	-	-	-	-	10,000	RCS-1
1,2-Dibromoethane	µg/Kg	100	-	-	-	-	-	-	100	RCS-1
1,2-Dichlorobenzene	µg/Kg	9,000	-	-	-	-	-	-	9,000	RCS-1
1,2-Dichloroethane	µg/Kg	100	-	-	-	-	-	-	100	RCS-1
1,2-Dichloroethene, Total	µg/Kg	300	-	-	-	-	-	-	300	RCS-1
1,2-Dichloropropane	µg/Kg	100	-	-	-	-	-	-	100	RCS-1
1,3,5-Trimethylbenzene	µg/Kg	10,000	-	-	-	-	-	-	10,000	RCS-1
1,3-Dichlorobenzene	µg/Kg	3,000	-	-	-	-	-	-	3,000	RCS-1
1,3-Dichloropropane	µg/Kg	500,000	-	-	-	-	-	-	500,000	RCS-1
1,4-Dichlorobenzene	µg/Kg	700	-	-	-	-	-	-	700	RCS-1
1,4-Dioxane	µg/Kg	200	-	-	-	-	-	-	200	RCS-1
2,2-Dichloropropane	µg/Kg	-	-	-	-	-	-	-	-	
2-Butanone	µg/Kg	4,000	-	-	-	-	-	-	4,000	RCS-1
2-Chloroethyl vinyl ether	µg/Kg	500,000	-	-	-	-	-	-	500,000	RCS-1
2-Chlorotoluene	µg/Kg	100,000	-	-	-	-	-	-	100,000	RCS-1
2-Hexanone	µg/Kg	100,000	-	-	-	-	-	-	100,000	RCS-1
4-Chlorotoluene	µg/Kg	-	-	-	-	-	-	-	-	
4-Isopropyltoluene	µg/Kg	-	-	-	-	-	-	-	-	
4-Methyl-2-pentanone	µg/Kg	400	-	-	-	-	-	-	400	RCS-1
Acetone	µg/Kg	6,000	-	-	-	-	-	-	6,000	RCS-1
Benzene	µg/Kg	2,000	-	-	-	-	-	-	2,000	RCS-1
Bromobenzene	µg/Kg	100,000	-	-	-	-	-	-	100,000	RCS-1
Bromochloromethane	µg/Kg	-	-	-	-	-	-	-	-	
Bromodichloromethane	µg/Kg	100	-	-	-	-	-	-	100	RCS-1
Bromoform	µg/Kg	100	-	-	-	-	-	-	100	RCS-1
Bromomethane	µg/Kg	500	-	-	-	-	-	-	500	RCS-1

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Carbon disulfide	µg/Kg	100,000	-	-	-	-	-	-	100,000	RCS-1
Carbon tetrachloride	µg/Kg	5,000	-	-	-	-	-	-	5,000	RCS-1
Chlorobenzene	µg/Kg	1,000	-	-	-	-	-	-	1,000	RCS-1
Chloroethane	µg/Kg	100,000	-	-	-	-	-	-	100,000	RCS-1
Chloroform	µg/Kg	200	-	-	-	-	-	-	200	RCS-1
Chloromethane	µg/Kg	100,000	-	-	-	-	-	-	100,000	RCS-1
cis-1,2-Dichloroethene	µg/Kg	100	-	-	-	-	-	-	100	RCS-1
cis-1,3-Dichloropropene	µg/Kg	10	-	-	-	-	-	-	10	RCS-1
Cyclohexane	µg/Kg	500,000	-	-	-	-	-	-	500,000	RCS-1
Dibromochloromethane	µg/Kg	5	-	-	-	-	-	-	5	RCS-1
Dibromomethane	µg/Kg	500,000	-	-	-	-	-	-	500,000	RCS-1
Dichlorodifluoromethane	µg/Kg	1,000,000	-	-	-	-	-	-	1,000,000	RCS-1
Ethylbenzene	µg/Kg	40,000	-	-	-	-	-	-	40,000	RCS-1
Freon TF	µg/Kg	-	-	-	-	-	-	-	-	
Hexachlorobutadiene	µg/Kg	30,000	-	-	-	-	-	-	30,000	RCS-1
Isobutyl alcohol	µg/Kg	1,000,000	-	-	-	-	-	-	1,000,000	RCS-1
Isopropylbenzene	µg/Kg	-	-	-	-	-	-	-	-	
m&p-Xylene	µg/Kg	100,000	-	-	-	-	-	-	100,000	RCS-1
Methyl acetate	µg/Kg	100,000	-	-	-	-	-	-	100,000	RCS-1
Methyl iodide	µg/Kg	100,000	-	-	-	-	-	-	100,000	RCS-1
Methyl t-butyl ether	µg/Kg	100	-	-	-	-	-	-	100	RCS-1
Methylcyclohexane	µg/Kg	100,000	-	-	-	-	-	-	100,000	RCS-1
Methylene Chloride	µg/Kg	100	-	-	-	-	-	-	100	RCS-1
n-Butylbenzene	µg/Kg	-	-	-	-	-	-	-	-	
n-Propylbenzene	µg/Kg	-	-	-	-	-	-	-	-	
o-Xylene	µg/Kg	-	-	-	-	-	-	-	-	
sec-Butylbenzene	µg/Kg	-	-	-	-	-	-	-	-	
Styrene	µg/Kg	3,000	-	-	-	-	-	-	3,000	RCS-1
tert-Butylbenzene	µg/Kg	100,000	-	-	-	-	-	-	100,000	RCS-1
Tetrachloroethene	µg/Kg	1,000	-	-	-	-	-	-	1,000	RCS-1
Tetrahydrofuran	µg/Kg	500,000	-	-	-	-	-	-	500,000	RCS-1

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Toluene	µg/Kg	30,000	-	-	-	-	-	-	30,000	RCS-1
trans-1,2-Dichloroethene	µg/Kg	1,000	-	-	-	-	-	-	1,000	RCS-1
trans-1,3-Dichloropropene	µg/Kg	10	-	-	-	-	-	-	10	RCS-1
Trichloroethene	µg/Kg	300	-	-	-	-	-	-	300	RCS-1
Trichlorofluoromethane	µg/Kg	1,000,000	-	-	-	-	-	-	1,000,000	RCS-1
Vinyl acetate	µg/Kg	1,000,000	-	-	-	-	-	-	1,000,000	RCS-1
Vinyl chloride	µg/Kg	700	-	-	-	-	-	-	700	RCS-1
Xylenes, Total	µg/Kg	100,000	-	-	-	-	-	-	100,000	RCS-1
Total Petroleum Hydrocarbons	µg/Kg	1,000,000	-	-	-	-	-	-	1,000,000	RCS-1

Notes

- = no applicable screening value

BTV = Background Threshold Value

ESV = Ecological Screening Value

HMW = High Molecular Weight

LMW = Low Molecular Weight

RBST = Risk-based screening threshold

N/A = NPS ESV not applicable, ecological RBST or background value is applicable

MCP RSC-1= Massachusetts Contingency Plan Reportable Concentration Soil 1 Values

mg/kg = milligrams per kilograms

µg/kg = micrograms per kilograms

BTVs determined by VHB (VHB 2021)

Literature-based background is the mean concentration reported in Quinn et al. 2001

¹For analytes with no project-specific ecological RBST or background value, NPS Ecological Screening Value Probable Effect Concentrations for marine sediment are listed (NPS 2018).

Table 2
Applicable Screening Criteria - Soil

Analyte	Units	MCP RCS-1 ¹	USEPA RSL ²	NPS COPEC Selection ESV ³	NPS Refined ESV ⁴	Lowest Applicable Screening Level	Basis
Organochlorine Pesticides							
4,4'-DDD	µg/Kg	8000	2300	2	21	2	COPEC Selection ESV
4,4'-DDE	µg/Kg	6000	2000	2	21	2	COPEC Selection ESV
4,4'-DDT	µg/Kg	6000	1900	2	21	2	COPEC Selection ESV
Aldrin	µg/Kg	80	39	3.32	37	3.32	COPEC Selection ESV
alpha-BHC	µg/Kg	50000	86	70	460	70	COPEC Selection ESV
beta-BHC	µg/Kg	10000	300	3.98	270	3.98	COPEC Selection ESV
Chlordane (technical)	µg/Kg	5000	1700	224	224	224	COPEC Selection ESV
delta-BHC	µg/Kg	10000	-	70	70	70	COPEC Selection ESV
Dieldrin	µg/Kg	80	34	4.5	4.9	4.5	COPEC Selection ESV
Endosulfan I	µg/Kg	500	-	560	640	500	RCS-1
Endosulfan II	µg/Kg	500	-	560	640	500	RCS-1
Endosulfan sulfate	µg/Kg	-	38000	560	640	560	COPEC Selection ESV
Endrin	µg/Kg	10000	1900	1.4	1.4	1.4	COPEC Selection ESV
Endrin ketone	µg/Kg	-	-	-	-	-	
gamma-BHC (Lindane)	µg/Kg	3	570	5	9.5	3	RCS-1
Heptachlor	µg/Kg	300	130	59	59	59	COPEC Selection ESV
Heptachlor epoxide	µg/Kg	100	70	-	-	70	RSL
Hexachlorobenzene	µg/Kg	700	78	79	79	78	RSL
Methoxychlor	µg/Kg	2000000	32000	5100	5100	5100	COPEC Selection ESV
Metals							
Antimony	mg/Kg	20	3.1	0.248	0.27	0.248	COPEC Selection ESV
Arsenic ⁵	mg/Kg	20	0.68	0.25	18	20	RCS-1/Background
Beryllium	mg/Kg	90	16	2.42	10	2.42	COPEC Selection ESV
Cadmium	mg/Kg	70	0.71	0.27	0.36	0.27	COPEC Selection ESV
Chromium	mg/Kg	100	-	0.34	0.4	0.34	COPEC Selection ESV
Copper	mg/Kg	1000	310	14	28	14	COPEC Selection ESV
Lead	mg/Kg	200	400	0.94	11	0.94	COPEC Selection ESV
Mercury	mg/Kg	20	1.1	0.013	0.013	0.013	COPEC Selection ESV
Nickel	mg/Kg	600	140	10	38	10	COPEC Selection ESV
Selenium	mg/Kg	400	39	0.331	0.52	0.331	COPEC Selection ESV
Silver	mg/Kg	100	39	2	4.2	2	COPEC Selection ESV
Thallium	mg/Kg	8	0.078	0.027	0.42	0.027	COPEC Selection ESV

Table 2
Applicable Screening Criteria - Soil

Zinc	mg/Kg	1000	2300	6.62	46	6.62	COPEC Selection ESV
Polychlorinated Biphenyls (PCBs)							
PCB-8	ug/Kg	-	-	-	-	-	
PCB-18	ug/Kg	-	-	-	-	-	
PCB-28	ug/Kg	-	-	-	-	-	
PCB-44	ug/Kg	-	-	-	-	-	
PCB-52	ug/Kg	-	-	-	-	-	
PCB-66	ug/Kg	-	-	-	-	-	
PCB-101	ug/Kg	-	-	-	-	-	
PCB-105	ug/Kg	-	120	-	-	120	RSL
PCB-118	ug/Kg	-	120	-	-	120	RSL
PCB-128	ug/Kg	-	-	-	-	-	
PCB-138	ug/Kg	-	-	-	-	-	
PCB-153	ug/Kg	-	-	-	-	-	
PCB-170	ug/Kg	-	-	-	-	-	
PCB-180	ug/Kg	-	-	-	-	-	
PCB-187	ug/Kg	-	-	-	-	-	
PCB-195	ug/Kg	-	-	-	-	-	
PCB-206	ug/Kg	-	-	-	-	-	
PCB-209	ug/Kg	-	-	-	-	-	
Total PCBs	ug/Kg	1000	230	40000	40000	230	RSL
Polycyclic Aromatic Hydrocarbons (PAHs)							
2-Methylnaphthalene	ug/Kg	700	24000	16000	16000	700	RCS-1
Acenaphthene	ug/Kg	4000	360000	250	20000	250	COPEC Selection ESV
Acenaphthylene	ug/Kg	1000	-	120000	120000	1000	RCS-1
Anthracene	ug/Kg	1000000	1800000	6800	6800	6800	COPEC Selection ESV
Benzo[a]anthracene	ug/Kg	7000	1100	730	730	730	COPEC Selection ESV
Benzo[a]pyrene	ug/Kg	2000	110	1980	62000	110	RSL
Benzo[b]fluoranthene	ug/Kg	7000	1100	18000	18000	1100	RSL
Benzo[g,h,i]perylene	ug/Kg	1000000	-	25000	25000	25000	COPEC Selection ESV
Benzo[k]fluoranthene	ug/Kg	70000	11000	71000	71000	11000	RSL
Chrysene	ug/Kg	70000	110000	3100	3100	3100	COPEC Selection ESV
Dibenz(a,h)anthracene	ug/Kg	700	110	14000	14000	110	RSL
Fluoranthene	ug/Kg	1000000	240000	10000	10000	10000	COPEC Selection ESV
Fluorene	ug/Kg	1000000	240000	3700	30000	3700	COPEC Selection ESV
Indeno[1,2,3-cd]pyrene	ug/Kg	7000	1100	71000	71000	1100	RSL

Table 2
Applicable Screening Criteria - Soil

Naphthalene	µg/Kg	4000	2000	1000	1000	1000	COPEC Selection ESV
Phenanthrene	µg/Kg	10000	-	5500	5500	5500	COPEC Selection ESV
Pyrene	µg/Kg	1000000	180000	10000	10000	10000	COPEC Selection ESV
LMW PAHs	µg/Kg	-	-	29000	29000	29000	COPEC Selection ESV
HMW PAHs	µg/Kg	-	-	1100	1100	1100	COPEC Selection ESV
Semi Volatile Organic Compounds							
1,1'-Biphenyl	µg/Kg	50	4700	-	-	50	RCS-1
bis (2-chloroisopropyl) ether	µg/Kg	700	310000	-	-	700	RCS-1
2,4,5-Trichlorophenol	µg/Kg	4000	630000	4000	4000	4000	RCS-1 and ESVs
2,4,6-Trichlorophenol	µg/Kg	700	6300	10000	10000	700	RCS-1
2,4-Dichlorophenol	µg/Kg	700	19000	-	-	700	RCS-1
2,4-Dimethylphenol	µg/Kg	700	130000	10	-	10	COPEC Selection ESV
2,4-Dinitrophenol	µg/Kg	3000	13000	20000	20000	3000	RCS-1
2,4-Dinitrotoluene	µg/Kg	700	1700	6000	6000	700	RCS-1
2,6-Dinitrotoluene	µg/Kg	100000	360	4000	4000	360	RSL
2-Chloronaphthalene	µg/Kg	1000000	480000	-	-	480000	RSL
2-Chlorophenol	µg/Kg	700	39000	390	390	390	COPEC Selection ESV
2-Methylphenol	µg/Kg	500000	320000	670	670	670	COPEC Selection ESV
2-Nitroaniline	µg/Kg	-	63000	5300	5300	5300	COPEC Selection ESV
2-Nitrophenol	µg/Kg	100000	-	7000	7000	7000	COPEC Selection ESV
3,3'-Dichlorobenzidine	µg/Kg	3000	1200	-	-	1200	RSL
3-Nitroaniline	µg/Kg	-	-	-	-	-	
4,6-Dinitro-2-methylphenol	µg/Kg	50000	510	-	-	510	RSL
4-Bromophenyl phenyl ether	µg/Kg	100000	-	-	-	100000	RCS-1
4-Chloro-3-methylphenol	µg/Kg	1000000	630000	-	-	630000	RSL
4-Chloroaniline	µg/Kg	1000	2700	1000	1000	1000	RCS-1 and ESVs
4-Chlorophenyl phenyl ether	µg/Kg	1000000	-	-	-	1000000	RCS-1
4-Nitroaniline	µg/Kg	1000000	25000	-	-	25000	RSL
4-Nitrophenol	µg/Kg	100000	-	7000	7000	7000	COPEC Selection ESV
Acetophenone	µg/Kg	1000000	780000	-	-	780000	RSL
Atrazine	µg/Kg	100000	2400	-	-	2400	RSL
Benzaldehyde	µg/Kg	100000	170000	-	-	100000	RCS-1
Bis(2-chloroethoxy)methane	µg/Kg	500000	19000	-	-	19000	RSL
Bis(2-chloroethyl)ether	µg/Kg	700	230	-	-	230	RSL
Bis(2-ethylhexyl) phthalate	µg/Kg	90000	39000	20	20	20	COPEC Selection ESV
Butyl benzyl phthalate	µg/Kg	100000	290000	90000	90000	90000	COPEC Selection ESV

Table 2
Applicable Screening Criteria - Soil

Caprolactam	µg/Kg	-	3100000	-	-	3100000	RSL
Carbazole	µg/Kg	-	-	79000	79000	79000	COPEC Selection ESV
Dibenzofuran	µg/Kg	100000	7800	6100	6100	6100	COPEC Selection ESV
Diethyl phthalate	µg/Kg	10000	5100000	100000	100000	10000	RCS-1 and ESVs
Dimethyl phthalate	µg/Kg	700	-	10000	38000	700	RCS-1
Di-n-butyl phthalate	µg/Kg	50000	630000	11	11	11	COPEC Selection ESV
Di-n-octyl phthalate	µg/Kg	1000000	63000	910	910	910	COPEC Selection ESV
Hexachlorobenzene	µg/Kg	700	78	79	79	78	RSL
Hexachlorobutadiene	µg/Kg	30000	1200	-	-	1200	RSL
Hexachlorocyclopentadiene	µg/Kg	50000	180	10000	10000	180	RSL
Hexachloroethane	µg/Kg	700	1800	-	-	700	RCS-1
Isophorone	µg/Kg	100000	570000	-	-	100000	RCS-1
N-Nitrosodi-n-propylamine	µg/Kg	50000	78	-	-	78	RSL
N-Nitrosodiphenylamine	µg/Kg	100000	110000	20000	20000	20000	COPEC Selection ESV
Nitrobenzene	µg/Kg	500000	5100	2200	4800	2200	COPEC Selection ESV
Pentachlorophenol	µg/Kg	3000	1000	360	2100	360	COPEC Selection ESV
Phenol	µg/Kg	1000	1900000	790	30000	790	COPEC Selection ESV
3 & 4 Methylphenol	µg/Kg	-	320000	-	-	320000	RSL
Volatile Organic Compounds							
1,1,1,2-Tetrachloroethane	µg/Kg	100	2000	-	-	100	RCS-1
1,1,1-Trichloroethane	µg/Kg	30000	810000	260000	260000	30000	RCS-1
1,1,2,2-Tetrachloroethane	µg/Kg	5	600	-	-	5	RCS-1
1,1,2-Trichloroethane	µg/Kg	100	150	-	-	100	RCS-1
1,1-Dichloroethane	µg/Kg	400	3600	210000	210000	400	RCS-1
1,1-Dichloroethene	µg/Kg	3000	23000	11000	11000	3000	RCS-1
1,1-Dichloropropene	µg/Kg	-	-	-	-	-	
1,2,3-Trichlorobenzene	µg/Kg	-	6300	20000	20000	6300	RSL
1,2,3-Trichloropropane	µg/Kg	100000	5.1	-	-	5.1	RSL
1,2,4-Trichlorobenzene	µg/Kg	2000	5800	270	270	270	COPEC Selection ESV
1,2,4-Trimethylbenzene	µg/Kg	1000000	30000	-	-	30000	RSL
1,2-Dibromo-3-Chloropropane	µg/Kg	10000	5.3	-	-	5.3	RSL
1,2-Dibromoethane	µg/Kg	100	36	-	-	36	RSL
1,2-Dichlorobenzene	µg/Kg	9000	180000	920	920	920	COPEC Selection ESV
1,2-Dichloroethane	µg/Kg	100	460	850	850	100	RCS-1
1,2-Dichloroethene, Total	µg/Kg	300	-	24000	24000	300	RCS-1
1,2-Dichloropropane	µg/Kg	100	1600	700000	700000	100	RCS-1

Table 2
Applicable Screening Criteria - Soil

1,3,5-Trimethylbenzene	µg/Kg	10000	27000	-	-	10000	RCS-1
1,3-Dichlorobenzene	µg/Kg	3000	-	740	740	740	COPEC Selection ESV
1,3-Dichloropropane	µg/Kg	500000	160000	-	-	160000	RSL
1,4-Dichlorobenzene	µg/Kg	700	2600	890	890	700	RCS-1
1,4-Dioxane	µg/Kg	200	5300	1830	1830	200	RCS-1
2,2-Dichloropropane	µg/Kg	-	-	-	-	-	
2-Butanone	µg/Kg	4000	2700000	350000	350000	4000	RCS-1
2-Chloroethyl vinyl ether	µg/Kg	500000	-	-	-	500000	RCS-1
2-Chlorotoluene	µg/Kg	100000	160000	-	-	100000	RCS-1
2-Hexanone	µg/Kg	100000	20000	360	360	360	COPEC Selection ESV
4-Chlorotoluene	µg/Kg	-	160000	-	-	160000	RSL
4-Isopropyltoluene	µg/Kg	-	-	-	-	-	
4-Methyl-2-pentanone	µg/Kg	400	3300000	9700	9700	400	RCS-1
Acetone	µg/Kg	6000	7000000	1200	1200	1200	COPEC Selection ESV
Benzene	µg/Kg	2000	1200	24000	24000	1200	RSL
Bromobenzene	µg/Kg	100000	29000	-	-	29000	RSL
Bromochloromethane	µg/Kg	-	15000	-	-	15000	RSL
Bromodichloromethane	µg/Kg	100	290	-	-	100	RCS-1
Bromoform	µg/Kg	100	19000	-	-	100	RCS-1
Bromomethane	µg/Kg	500	680	-	-	500	RCS-1
Carbon disulfide	µg/Kg	100000	77000	810	810	810	COPEC Selection ESV
Carbon tetrachloride	µg/Kg	5000	650	58600	58600	650	RSL
Chlorobenzene	µg/Kg	1000	28000	2400	40000	1000	RCS-1
Chloroethane	µg/Kg	100000	540000	-	-	100000	RCS-1
Chloroform	µg/Kg	200	320	8000	8000	200	RCS-1
Chloromethane	µg/Kg	100000	11000	-	-	11000	RSL
cis-1,2-Dichloroethene	µg/Kg	100	6300	89600	89600	100	RCS-1
cis-1,3-Dichloropropene	µg/Kg	10	-	-	-	10	RCS-1
Cyclohexane	µg/Kg	500000	650000	-	-	500000	RCS-1
Dibromochloromethane	µg/Kg	5	8300	-	-	5	RCS-1
Dibromomethane	µg/Kg	500000	2400	-	-	2400	RSL
Dichlorodifluoromethane	µg/Kg	1000000	8700	-	-	8700	RSL
Ethylbenzene	µg/Kg	40000	5800	-	-	5800	RSL
Freon TF	µg/Kg	-	670000	-	-	670000	RSL
Hexachlorobutadiene	µg/Kg	30000	1200	-	-	1200	RSL
Isobutyl alcohol	µg/Kg	1000000	780000	-	-	780000	RSL

Table 2
Applicable Screening Criteria - Soil

Isopropylbenzene	µg/Kg	-	190000	-	-	190000	RSL
m&p-Xylene	µg/Kg	100000	-	4162	4162	4162	COPEC Selection ESV
Methyl acetate	µg/Kg	100000	7800000	-	-	100000	RCS-1
Methyl iodide	µg/Kg	100000	-	38	38	38	COPEC Selection ESV
Methyl t-butyl ether	µg/Kg	100	47000	-	-	100	RCS-1
Methylcyclohexane	µg/Kg	100000	9800	-	-	9800	RSL
Methylene Chloride	µg/Kg	100	35000	2600	2600	100	RCS-1
n-Butylbenzene	µg/Kg	-	390000	-	-	390000	RSL
n-Propylbenzene	µg/Kg	-	380000	-	-	380000	RSL
o-Xylene	µg/Kg	-	64000	4162	4162	4162	COPEC Selection ESV
sec-Butylbenzene	µg/Kg	-	780000	-	-	780000	RSL
Styrene	µg/Kg	3000	600000	1200	1200	1200	COPEC Selection ESV
tert-Butylbenzene	µg/Kg	100000	780000	-	-	100000	RCS-1
Tetrachloroethene	µg/Kg	1000	8100	180	180	180	COPEC Selection ESV
Tetrahydrofuran	µg/Kg	500000	1800000	-	-	500000	RCS-1
Toluene	µg/Kg	30000	490000	23000	23000	23000	COPEC Selection ESV
trans-1,2-Dichloroethene	µg/Kg	1000	7000	89600	89600	1000	RCS-1
trans-1,3-Dichloropropene	µg/Kg	10	-	-	-	10	RCS-1
Trichloroethene	µg/Kg	300	410	1387	42000	300	RCS-1
Trichlorofluoromethane	µg/Kg	1000000	2300000	52000	52000	52000	COPEC Selection ESV
Vinyl acetate	µg/Kg	1000000	91000	-	-	91000	RSL
Vinyl chloride	µg/Kg	700	59	120	120	59	RSL
Xylenes, Total	µg/Kg	100000	58000	1400	1400	1400	COPEC Selection ESV
Total Petroleum Hydrocarbons	µg/Kg	1000000	-	-	-	1000000	RCS-1

Notes

- = no applicable screening value

mg/kg = milligrams per kilograms

HMW = High Molecular Weight

µg/kg = micrograms per kilograms

LMW = Low Molecular Weight

¹MCP RSC-1 = Massachusetts Contingency Plan Reportable Concentration Soil 1 Values (May 2014)

²USEPA RSLs = U.S. Environmental Protection Agency Regional Screening Levels, Residential, TR=1E-06, THQ=0.1 (Nov 2023)

³NPS COPEC Selection ESV = National Park Service Contaminant of Potential Ecological Concern Selection Ecological Screening Value (Nov 2018)

⁴NPS Refined ESV = National Park Service Refined Ecological Screening Value (Nov 2018)

⁵MCP RSC-1 Value for arsenic is based on the State-wide background value for arsenic. Therefore, the arsenic screening level will default to this background value.

Table 3
Sediment Management Categories and Screening Criteria

Analyte	Units	Category 1	Category 2	Category 3
Organochlorine Pesticides				
4,4'-DDD	µg/Kg	42	100	8,000
4,4'-DDE	µg/Kg	58	100	6,000
4,4'-DDT	µg/Kg	24	240	6,000
Aldrin	µg/Kg	80	80	80
alpha-BHC	µg/Kg	50,000	50,000	50,000
beta-BHC	µg/Kg	10,000	10,000	10,000
Chlordane (technical)	µg/Kg	4.8	5,000	5,000
delta-BHC	µg/Kg	10,000	10,000	10,000
Dieldrin	µg/Kg	7.1	7.1	80
Endosulfan I	µg/Kg	500	500	500
Endosulfan II	µg/Kg	500	500	500
Endosulfan sulfate	µg/Kg	45	45	45
Endrin	µg/Kg	10,000	10,000	10,000
Endrin ketone	µg/Kg	-	-	-
gamma-BHC (Lindane)	µg/Kg	0.99	3	3
Heptachlor	µg/Kg	300	300	300
Heptachlor epoxide	µg/Kg	100	100	100
Hexachlorobenzene	µg/Kg	700	700	700
Methoxychlor	µg/Kg	44	44	2,000,000
Metals				
Antimony	mg/Kg	20	20	25
Arsenic	mg/Kg	23	23	23
Beryllium	mg/Kg	90	90	90
Cadmium	mg/Kg	4.2	70	70
Chromium	mg/Kg	100	100	160
Copper	mg/Kg	108	108	1,000
Lead	mg/Kg	112	200	200
Mercury	mg/Kg	0.3	0.3	20
Nickel	mg/Kg	200	200	600
Selenium	mg/Kg	400	400	400
Silver	mg/Kg	2	100	100
Thallium	mg/Kg	8	8	8
Zinc	mg/Kg	271	1,000	1,000
Polychlorinated Biphenyls (PCBs)				
Total PCBs	µg/Kg	35.4	35.4	1,000
Polycyclic Aromatic Hydrocarbons (PAHs)				
2-Methylnaphthalene	µg/Kg	201	700	700
Acenaphthene	µg/Kg	89	4,000	4,000
Acenaphthylene	µg/Kg	1,000	1,000	1,000
Anthracene	µg/Kg	38,800	38,800	1,000,000
Benzo[a]anthracene	µg/Kg	20.3	56	7,000
Benzo[a]pyrene	µg/Kg	42.4	42.4	2,000
Benzo[b]fluoranthene	µg/Kg	89.7	89.7	7,000
Benzo[g,h,i]perylene	µg/Kg	45,000	45,000	1,000,000
Benzo[k]fluoranthene	µg/Kg	89.7	710	70,000
Chrysene	µg/Kg	39	390	70,000

Table 3
Sediment Management Categories and Screening Criteria

Analyte	Units	Category 1	Category 2	Category 3
Dibenz(a,h)anthracene	µg/Kg	8.5	8.5	700
Fluoranthene	µg/Kg	64,000	64,000	1,000,000
Fluorene	µg/Kg	33,000	33,000	1,000,000
Indeno[1,2,3-cd]pyrene	µg/Kg	28	140	7,000
Naphthalene	µg/Kg	391	4,000	4,000
Phenanthrene	µg/Kg	2,300	2,300	10,000
Pyrene	µg/Kg	28,000	28,000	1,000,000
LMW PAHs	µg/Kg	1,442	1,442	1,442
HMW PAHs	µg/Kg	6,676	6,676	6,676
Semi Volatile Organic Compounds				
1,1'-Biphenyl	µg/Kg	50	50	50
bis (2-chloroisopropyl) ether	µg/Kg	700	700	700
2,4,5-Trichlorophenol	µg/Kg	4,000	4,000	4,000
2,4,6-Trichlorophenol	µg/Kg	700	700	700
2,4-Dichlorophenol	µg/Kg	700	700	700
2,4-Dimethylphenol	µg/Kg	700	700	700
2,4-Dinitrophenol	µg/Kg	3,000	3,000	3,000
2,4-Dinitrotoluene	µg/Kg	700	700	700
2,6-Dinitrotoluene	µg/Kg	100,000	100,000	100,000
2-Chloronaphthalene	µg/Kg	1,000,000	1,000,000	1,000,000
2-Chlorophenol	µg/Kg	700	700	700
2-Methylphenol	µg/Kg	500,000	500,000	500,000
2-Nitroaniline	µg/Kg	0	0	0
2-Nitrophenol	µg/Kg	100,000	100,000	100,000
3,3'-Dichlorobenzidine	µg/Kg	3,000	3,000	3,000
3-Nitroaniline	µg/Kg	0	0	0
4,6-Dinitro-2-methylphenol	µg/Kg	50,000	50,000	50,000
4-Bromophenyl phenyl ether	µg/Kg	100,000	100,000	100,000
4-Chloro-3-methylphenol	µg/Kg	1,000,000	1,000,000	1,000,000
4-Chloroaniline	µg/Kg	1,000	1,000	1,000
4-Chlorophenyl phenyl ether	µg/Kg	1,000,000	1,000,000	1,000,000
4-Nitroaniline	µg/Kg	1,000,000	1,000,000	1,000,000
4-Nitrophenol	µg/Kg	100,000	100,000	100,000
Acetophenone	µg/Kg	1,000,000	1,000,000	1,000,000
Atrazine	µg/Kg	100,000	100,000	100,000
Benzaldehyde	µg/Kg	100,000	100,000	100,000
Bis(2-chloroethoxy)methane	µg/Kg	500,000	500,000	500,000
Bis(2-chloroethyl)ether	µg/Kg	700	700	700
Bis(2-ethylhexyl) phthalate	µg/Kg	2,600	90,000	90,000
Butyl benzyl phthalate	µg/Kg	100,000	100,000	100,000
Caprolactam	µg/Kg	0	0	0
Carbazole	µg/Kg	0	0	0
Dibenzofuran	µg/Kg	100,000	100,000	100,000
Diethyl phthalate	µg/Kg	10,000	10,000	10,000
Dimethyl phthalate	µg/Kg	700	700	700

Table 3
Sediment Management Categories and Screening Criteria

Analyte	Units	Category 1	Category 2	Category 3
Di-n-butyl phthalate	µg/Kg	50,000	50,000	50,000
Di-n-octyl phthalate	µg/Kg	1,000,000	1,000,000	1,000,000
Hexachlorobenzene	µg/Kg	700	700	700
Hexachlorobutadiene	µg/Kg	30,000	30,000	30,000
Hexachlorocyclopentadiene	µg/Kg	50,000	50,000	50,000
Hexachloroethane	µg/Kg	700	700	700
Isophorone	µg/Kg	100,000	100,000	100,000
N-Nitrosodi-n-propylamine	µg/Kg	50,000	50,000	50,000
N-Nitrosodiphenylamine	µg/Kg	100,000	100,000	100,000
Nitrobenzene	µg/Kg	500,000	500,000	500,000
Pentachlorophenol	µg/Kg	3,000	3,000	3,000
Phenol	µg/Kg	1,000	1,000	1,000
3 & 4 Methylphenol	µg/Kg	0	0	0
Volatile Organic Compounds				
1,1,1,2-Tetrachloroethane	µg/Kg	100	100	100
1,1,1-Trichloroethane	µg/Kg	30,000	30,000	30,000
1,1,2,2-Tetrachloroethane	µg/Kg	5	5	5
1,1,2-Trichloroethane	µg/Kg	100	100	100
1,1-Dichloroethane	µg/Kg	400	400	400
1,1-Dichloroethene	µg/Kg	3,000	3,000	3,000
1,1-Dichloropropene	µg/Kg	-	-	-
1,2,3-Trichlorobenzene	µg/Kg	-	-	-
1,2,3-Trichloropropane	µg/Kg	100,000	100,000	100,000
1,2,4-Trichlorobenzene	µg/Kg	2,000	2,000	2,000
1,2,4-Trimethylbenzene	µg/Kg	1,000,000	1,000,000	1,000,000
1,2-Dibromo-3-Chloropropane	µg/Kg	10,000	10,000	10,000
1,2-Dibromoethane	µg/Kg	100	100	100
1,2-Dichlorobenzene	µg/Kg	9,000	9,000	9,000
1,2-Dichloroethane	µg/Kg	100	100	100
1,2-Dichloroethene, Total	µg/Kg	300	300	300
1,2-Dichloropropane	µg/Kg	100	100	100
1,3,5-Trimethylbenzene	µg/Kg	10,000	10,000	10,000
1,3-Dichlorobenzene	µg/Kg	3,000	3,000	3,000
1,3-Dichloropropane	µg/Kg	500,000	500,000	500,000
1,4-Dichlorobenzene	µg/Kg	700	700	700
1,4-Dioxane	µg/Kg	200	200	200
2,2-Dichloropropane	µg/Kg	-	-	-
2-Butanone	µg/Kg	4,000	4,000	4,000
2-Chloroethyl vinyl ether	µg/Kg	500,000	500,000	500,000
2-Chlorotoluene	µg/Kg	100,000	100,000	100,000
2-Hexanone	µg/Kg	100,000	100,000	100,000
4-Chlorotoluene	µg/Kg	-	-	-
4-Isopropyltoluene	µg/Kg	-	-	-
4-Methyl-2-pentanone	µg/Kg	400	400	400
Acetone	µg/Kg	6,000	6,000	6,000
Benzene	µg/Kg	2,000	2,000	2,000
Bromobenzene	µg/Kg	100,000	100,000	100,000

Table 3
Sediment Management Categories and Screening Criteria

Analyte	Units	Category 1	Category 2	Category 3
Bromochloromethane	µg/Kg	-	-	-
Bromodichloromethane	µg/Kg	100	100	100
Bromoform	µg/Kg	100	100	100
Bromomethane	µg/Kg	500	500	500
Carbon disulfide	µg/Kg	100,000	100,000	100,000
Carbon tetrachloride	µg/Kg	5,000	5,000	5,000
Chlorobenzene	µg/Kg	1,000	1,000	1,000
Chloroethane	µg/Kg	100,000	100,000	100,000
Chloroform	µg/Kg	200	200	200
Chloromethane	µg/Kg	100,000	100,000	100,000
cis-1,2-Dichloroethene	µg/Kg	100	100	100
cis-1,3-Dichloropropene	µg/Kg	10	10	10
Cyclohexane	µg/Kg	500,000	500,000	500,000
Dibromochloromethane	µg/Kg	5	5	5
Dibromomethane	µg/Kg	500,000	500,000	500,000
Dichlorodifluoromethane	µg/Kg	1,000,000	1,000,000	1,000,000
Ethylbenzene	µg/Kg	40,000	40,000	40,000
Freon TF	µg/Kg	-	-	-
Hexachlorobutadiene	µg/Kg	30,000	30,000	30,000
Isobutyl alcohol	µg/Kg	1,000,000	1,000,000	1,000,000
Isopropylbenzene	µg/Kg	-	-	-
m&p-Xylene	µg/Kg	100,000	100,000	100,000
Methyl acetate	µg/Kg	100,000	100,000	100,000
Methyl iodide	µg/Kg	100,000	100,000	100,000
Methyl t-butyl ether	µg/Kg	100	100	100
Methylcyclohexane	µg/Kg	100,000	100,000	100,000
Methylene Chloride	µg/Kg	100	100	100
n-Butylbenzene	µg/Kg	-	-	-
n-Propylbenzene	µg/Kg	-	-	-
o-Xylene	µg/Kg	-	-	-
sec-Butylbenzene	µg/Kg	-	-	-
Styrene	µg/Kg	3,000	3,000	3,000
tert-Butylbenzene	µg/Kg	100,000	100,000	100,000
Tetrachloroethene	µg/Kg	1,000	1,000	1,000
Tetrahydrofuran	µg/Kg	500,000	500,000	500,000
Toluene	µg/Kg	30,000	30,000	30,000
trans-1,2-Dichloroethene	µg/Kg	1,000	1,000	1,000
trans-1,3-Dichloropropene	µg/Kg	10	10	10
Trichloroethene	µg/Kg	300	300	300
Trichlorofluoromethane	µg/Kg	1,000,000	1,000,000	1,000,000
Vinyl acetate	µg/Kg	1,000,000	1,000,000	1,000,000
Vinyl chloride	µg/Kg	700	700	700
Xylenes, Total	µg/Kg	100,000	100,000	100,000
Total Petroleum Hydrocarbons	µg/Kg	1,000,000	1,000,000	1,000,000

Table 3
Sediment Management Categories and Screening Criteria

Analyte	Units	Category 1	Category 2	Category 3
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Notes

- = no applicable screening value

mg/kg = milligrams per kilograms

HMW = High Molecular Weight

µg/kg = micrograms per kilograms

LMW = Low Molecular Weight

Category 1 = No beneficial reuse restrictions

Category 2 = Consider additional factors (see Section 7); surface placement, burial, or off-site disposal may be appropriate

Category 3 = Consider additional factors (see Section 7); burial or off-site disposal may be appropriate

Table 4
Soil Management Categories and Screening Criteria

Analyte	Units	Category 1	Category 2	Category 3	Category 4
Organochlorine Pesticides					
4,4'-DDD	µg/Kg	2	21	21	8000
4,4'-DDE	µg/Kg	2	21	21	6000
4,4'-DDT	µg/Kg	2	21	21	6000
Aldrin	µg/Kg	3.32	37	37	80
alpha-BHC	µg/Kg	70	86	460	50000
beta-BHC	µg/Kg	3.98	270	270	10000
Chlordane (technical)	µg/Kg	224	224	224	5000
delta-BHC	µg/Kg	70	70	70	10000
Dieldrin	µg/Kg	4.5	4.9	4.9	80
Endosulfan I	µg/Kg	500	500	500	500
Endosulfan II	µg/Kg	500	500	500	500
Endosulfan sulfate	µg/Kg	560	640	640	-
Endrin	µg/Kg	1.4	1.4	1.4	10000
Endrin ketone	µg/Kg	-	-	-	-
gamma-BHC (Lindane)	µg/Kg	3	3	3	3
Heptachlor	µg/Kg	59	59	59	300
Heptachlor epoxide	µg/Kg	70	70	100	100
Hexachlorobenzene	µg/Kg	78	78	79	700
Methoxychlor	µg/Kg	5100	5100	5100	2000000
Metals					
Antimony	mg/Kg	0.248	0.27	0.27	20
Arsenic ⁵	mg/Kg	20	20	20	20
Beryllium	mg/Kg	2.42	10	10	90
Cadmium	mg/Kg	0.27	0.36	0.36	70
Chromium	mg/Kg	0.34	0.4	0.4	100
Copper	mg/Kg	14	28	28	1000
Lead	mg/Kg	0.94	11	11	200
Mercury	mg/Kg	0.013	0.013	0.013	20
Nickel	mg/Kg	10	38	38	600
Selenium	mg/Kg	0.331	0.52	0.52	400
Silver	mg/Kg	2	4.2	4.2	100
Thallium	mg/Kg	0.027	0.078	0.42	8

Table 4

Soil Management Categories and Screening Criteria

Zinc	mg/Kg	6.62	46	46	1000
Polychlorinated Biphenyls (PCBs)					
PCB-8	ug/Kg	-	-	-	-
PCB-18	ug/Kg	-	-	-	-
PCB-28	ug/Kg	-	-	-	-
PCB-44	ug/Kg	-	-	-	-
PCB-52	ug/Kg	-	-	-	-
PCB-66	ug/Kg	-	-	-	-
PCB-101	ug/Kg	-	-	-	-
PCB-105	ug/Kg	120	120	-	-
PCB-118	ug/Kg	120	120	-	-
PCB-128	ug/Kg	-	-	-	-
PCB-138	ug/Kg	-	-	-	-
PCB-153	ug/Kg	-	-	-	-
PCB-170	ug/Kg	-	-	-	-
PCB-180	ug/Kg	-	-	-	-
PCB-187	ug/Kg	-	-	-	-
PCB-195	ug/Kg	-	-	-	-
PCB-206	ug/Kg	-	-	-	-
PCB-209	ug/Kg	-	-	-	-
Total PCBs	ug/Kg	230	230	1000	1000
Polycyclic Aromatic Hydrocarbons (PAHs)					
2-Methylnaphthalene	ug/Kg	700	700	700	700
Acenaphthene	ug/Kg	250	4000	4000	4000
Acenaphthylene	ug/Kg	1000	1000	1000	1000
Anthracene	ug/Kg	6800	6800	6800	1000000
Benzo[a]anthracene	ug/Kg	730	730	730	7000
Benzo[a]pyrene	ug/Kg	110	110	2000	2000
Benzo[b]fluoranthene	ug/Kg	1100	1100	7000	7000
Benzo[g,h,i]perylene	ug/Kg	25000	25000	25000	1000000
Benzo[k]fluoranthene	ug/Kg	11000	11000	70000	70000
Chrysene	ug/Kg	3100	3100	3100	70000
Dibenz(a,h)anthracene	ug/Kg	110	110	700	700
Fluoranthene	ug/Kg	10000	10000	10000	1000000
Fluorene	ug/Kg	3700	30000	30000	1000000
Indeno[1,2,3-cd]pyrene	ug/Kg	1100	1100	7000	7000

Table 4

Soil Management Categories and Screening Criteria

Naphthalene	µg/Kg	1000	1000	1000	4000
Phenanthrene	µg/Kg	5500	5500	5500	10000
Pyrene	µg/Kg	10000	10000	10000	1000000
LMW PAHs	µg/Kg	29000	29000	29000	-
HMW PAHs	µg/Kg	1100	1100	1100	-
Semi Volatile Organic Compounds					
1,1'-Biphenyl	µg/Kg	50	50	50	50
bis (2-chloroisopropyl) ether	µg/Kg	700	700	700	700
2,4,5-Trichlorophenol	µg/Kg	4000	4000	4000	4000
2,4,6-Trichlorophenol	µg/Kg	700	700	700	700
2,4-Dichlorophenol	µg/Kg	700	700	700	700
2,4-Dimethylphenol	µg/Kg	10	700	700	700
2,4-Dinitrophenol	µg/Kg	3000	3000	3000	3000
2,4-Dinitrotoluene	µg/Kg	700	700	700	700
2,6-Dinitrotoluene	µg/Kg	360	360	4000	100000
2-Chloronaphthalene	µg/Kg	480000	480000	1000000	1000000
2-Chlorophenol	µg/Kg	390	390	390	700
2-Methylphenol	µg/Kg	670	670	670	500000
2-Nitroaniline	µg/Kg	5300	5300	5300	-
2-Nitrophenol	µg/Kg	7000	7000	7000	100000
3,3'-Dichlorobenzidine	µg/Kg	1200	1200	3000	3000
3-Nitroaniline	µg/Kg	-	-	-	-
4,6-Dinitro-2-methylphenol	µg/Kg	510	510	50000	50000
4-Bromophenyl phenyl ether	µg/Kg	100000	100000	100000	100000
4-Chloro-3-methylphenol	µg/Kg	630000	630000	1000000	1000000
4-Chloroaniline	µg/Kg	1000	1000	1000	1000
4-Chlorophenyl phenyl ether	µg/Kg	1000000	1000000	1000000	1000000
4-Nitroaniline	µg/Kg	25000	25000	1000000	1000000
4-Nitrophenol	µg/Kg	7000	7000	7000	100000
Acetophenone	µg/Kg	780000	780000	1000000	1000000
Atrazine	µg/Kg	2400	2400	100000	100000
Benzaldehyde	µg/Kg	100000	100000	100000	100000
Bis(2-chloroethoxy)methane	µg/Kg	19000	19000	500000	500000
Bis(2-chloroethyl)ether	µg/Kg	230	230	700	700
Bis(2-ethylhexyl) phthalate	µg/Kg	20	20	20	90000
Butyl benzyl phthalate	µg/Kg	90000	90000	90000	100000

Table 4

Soil Management Categories and Screening Criteria

Caprolactam	µg/Kg	3100000	3100000	-	-
Carbazole	µg/Kg	79000	79000	79000	-
Dibenzofuran	µg/Kg	6100	6100	6100	100000
Diethyl phthalate	µg/Kg	10000	10000	10000	10000
Dimethyl phthalate	µg/Kg	700	700	700	700
Di-n-butyl phthalate	µg/Kg	11	11	11	50000
Di-n-octyl phthalate	µg/Kg	910	910	910	1000000
Hexachlorobenzene	µg/Kg	78	78	79	700
Hexachlorobutadiene	µg/Kg	1200	1200	30000	30000
Hexachlorocyclopentadiene	µg/Kg	180	180	10000	50000
Hexachloroethane	µg/Kg	700	700	700	700
Isophorone	µg/Kg	100000	100000	100000	100000
N-Nitrosodi-n-propylamine	µg/Kg	78	78	50000	50000
N-Nitrosodiphenylamine	µg/Kg	20000	20000	20000	100000
Nitrobenzene	µg/Kg	2200	4800	4800	500000
Pentachlorophenol	µg/Kg	360	1000	2100	3000
Phenol	µg/Kg	790	1000	1000	1000
3 & 4 Methylphenol	µg/Kg	320000	320000	-	-
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	µg/Kg	100	100	100	100
1,1,1-Trichloroethane	µg/Kg	30000	30000	30000	30000
1,1,2,2-Tetrachloroethane	µg/Kg	5	5	5	5
1,1,2-Trichloroethane	µg/Kg	100	100	100	100
1,1-Dichloroethane	µg/Kg	400	400	400	400
1,1-Dichloroethene	µg/Kg	3000	3000	3000	3000
1,1-Dichloropropene	µg/Kg	-	-	-	-
1,2,3-Trichlorobenzene	µg/Kg	6300	6300	20000	-
1,2,3-Trichloropropane	µg/Kg	5.1	5.1	100000	100000
1,2,4-Trichlorobenzene	µg/Kg	270	270	270	2000
1,2,4-Trimethylbenzene	µg/Kg	30000	30000	1000000	1000000
1,2-Dibromo-3-Chloropropane	µg/Kg	5.3	5.3	10000	10000
1,2-Dibromoethane	µg/Kg	36	36	100	100
1,2-Dichlorobenzene	µg/Kg	920	920	920	9000
1,2-Dichloroethane	µg/Kg	100	100	100	100
1,2-Dichloroethene, Total	µg/Kg	300	300	300	300
1,2-Dichloropropane	µg/Kg	100	100	100	100

Table 4

Soil Management Categories and Screening Criteria

1,3,5-Trimethylbenzene	µg/Kg	10000	10000	10000	10000
1,3-Dichlorobenzene	µg/Kg	740	740	740	3000
1,3-Dichloropropane	µg/Kg	160000	160000	500000	500000
1,4-Dichlorobenzene	µg/Kg	700	700	700	700
1,4-Dioxane	µg/Kg	200	200	200	200
2,2-Dichloropropane	µg/Kg	-	-	-	-
2-Butanone	µg/Kg	4000	4000	4000	4000
2-Chloroethyl vinyl ether	µg/Kg	500000	500000	500000	500000
2-Chlorotoluene	µg/Kg	100000	100000	100000	100000
2-Hexanone	µg/Kg	360	360	360	100000
4-Chlorotoluene	µg/Kg	160000	160000	-	-
4-Isopropyltoluene	µg/Kg	-	-	-	-
4-Methyl-2-pentanone	µg/Kg	400	400	400	400
Acetone	µg/Kg	1200	1200	1200	6000
Benzene	µg/Kg	1200	1200	2000	2000
Bromobenzene	µg/Kg	29000	29000	100000	100000
Bromochloromethane	µg/Kg	15000	15000	-	-
Bromodichloromethane	µg/Kg	100	100	100	100
Bromoform	µg/Kg	100	100	100	100
Bromomethane	µg/Kg	500	500	500	500
Carbon disulfide	µg/Kg	810	810	810	100000
Carbon tetrachloride	µg/Kg	650	650	5000	5000
Chlorobenzene	µg/Kg	1000	1000	1000	1000
Chloroethane	µg/Kg	100000	100000	100000	100000
Chloroform	µg/Kg	200	200	200	200
Chloromethane	µg/Kg	11000	11000	100000	100000
cis-1,2-Dichloroethene	µg/Kg	100	100	100	100
cis-1,3-Dichloropropene	µg/Kg	10	10	10	10
Cyclohexane	µg/Kg	500000	500000	500000	500000
Dibromochloromethane	µg/Kg	5	5	5	5
Dibromomethane	µg/Kg	2400	2400	500000	500000
Dichlorodifluoromethane	µg/Kg	8700	8700	1000000	1000000
Ethylbenzene	µg/Kg	5800	5800	40000	40000
Freon TF	µg/Kg	670000	670000	-	-
Hexachlorobutadiene	µg/Kg	1200	1200	30000	30000
Isobutyl alcohol	µg/Kg	780000	780000	1000000	1000000

Table 4

Soil Management Categories and Screening Criteria

Isopropylbenzene	µg/Kg	190000	190000	-	-
m&p-Xylene	µg/Kg	4162	4162	4162	100000
Methyl acetate	µg/Kg	100000	100000	100000	100000
Methyl iodide	µg/Kg	38	38	38	100000
Methyl t-butyl ether	µg/Kg	100	100	100	100
Methylcyclohexane	µg/Kg	9800	9800	100000	100000
Methylene Chloride	µg/Kg	100	100	100	100
n-Butylbenzene	µg/Kg	390000	390000	-	-
n-Propylbenzene	µg/Kg	380000	380000	-	-
o-Xylene	µg/Kg	4162	4162	4162	-
sec-Butylbenzene	µg/Kg	780000	780000	-	-
Styrene	µg/Kg	1200	1200	1200	3000
tert-Butylbenzene	µg/Kg	100000	100000	100000	100000
Tetrachloroethene	µg/Kg	180	180	180	1000
Tetrahydrofuran	µg/Kg	500000	500000	500000	500000
Toluene	µg/Kg	23000	23000	23000	30000
trans-1,2-Dichloroethene	µg/Kg	1000	1000	1000	1000
trans-1,3-Dichloropropene	µg/Kg	10	10	10	10
Trichloroethene	µg/Kg	300	300	300	300
Trichlorofluoromethane	µg/Kg	52000	52000	52000	1000000
Vinyl acetate	µg/Kg	91000	91000	1000000	1000000
Vinyl chloride	µg/Kg	59	59	120	700
Xylenes, Total	µg/Kg	1400	1400	1400	100000
Total Petroleum Hydrocarbons	µg/Kg	1000000	1000000	1000000	1000000

Notes

- = no applicable screening value

HMW = High Molecular Weight

LMW = Low Molecular Weight

Category 1 = No beneficial reuse restrictions. Appropriate for use where human and ecological exposure possible.

Category 2 = Appropriate for use where human and ecological exposure possible, EXCLUDING threatened and endangered species.

Category 3 = Appropriate for use where human and ecological exposure possible. Uses 1E-05 target risk level.

Category 4 = Material that exceeds this screening level should be disposed of off-site.