	A	B	C
1			
2		**USEPA Regional Screening Levels**	
3		**Residential Soil**	**Industrial Soil**
4		**mg/kg**	**mg/kg**
5			
6	***Volatile Organic Compounds***		
7	1,1,1-Trichloroethane	810	3600
8	1,1,2,2-Tetrachloroethane	0.6	2.7
9	1,1,2-Trichloroethane	0.15	0.63
10	1,1-Dichloroethane	3.6	16
11	1,1-Dichloroethene	23	100
12	1,2,4-Trichlorobenzene	5.8	26
13	1,2-Dibromo-3-chloropropane (DBCP)	0.0053	0.064
14	1,2-Dibromoethane (Ethylene dibromide)	0.036	0.16
15	1,2-Dichlorobenzene	180	930
16	1,2-Dichloroethane	0.46	2
17	1,2-Dichloropropane	1	4.4
18	1,3-Dichlorobenzene	-	-
19	1,4-Dichlorobenzene	2.6	11
20	2-Butanone (Methyl ethyl ketone) (MEK)	2700	19000
21	2-Hexanone	20	130
22	4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	3300	14000
23	Acetone	6100	67000
24	Benzene	1.2	5.1
25	Bromodichloromethane	0.29	1.3
26	Bromoform	19	86
27	Bromomethane (Methyl bromide)	0.88	3
28	Carbon disulfide	77	350
29	Carbon tetrachloride	0.85	2.9
30	Chlorobenzene	28	130
31	Chloroethane	1400	5700
32	Chloroform (Trichloromethane)	0.32	1.4
33	Chloromethane (Methyl chloride)	11	46
34	cis-1,2-Dichloroethene	16	230
35	cis-1,3-Dichloropropene	-	-
36	Cyclohexane	650	2700
37	Dibromochloromethane	8.3	39
38	Dichlorodifluoromethane (CFC-12)	8.7	37
39	Ethylbenzene	5.8	25
40	Isopropyl benzene (Cumene)	190	990
41	Methyl acetate	7800	120000
42	Methyl cyclohexane	-	-
43	Methyl tert butyl ether (MTBE)	47	210
44	Methylene chloride	35	320
45	Styrene	600	3500
46	Tetrachloroethene	8.1	39
47	Toluene	490	4700
48	trans-1,2-Dichloroethene	160	2300
49	trans-1,3-Dichloropropene	-	-
50	Trichloroethene	0.41	1.9
51	Trichlorofluoromethane (CFC-11)	2300	35000
52	Trifluorotrichloroethane (Freon 113)	4000	17000
53	Vinyl chloride	0.059	1.7
54	Xylenes (total)	58	250
55			
56	***Semi-Volatile Organic Compounds***		
57	2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	310	4700
58	2,4,5-Trichlorophenol	630	8200
59	2,4,6-Trichlorophenol	6.3	82
60	2,4-Dichlorophenol	19	250
61	2,4-Dimethylphenol	130	1600

	D	E	F	G	H	I	J	K	L	M	N	O	P
1						Project Action Limits							
2	USEPA RSLs		USEPA Regional Screening Levels		USEPA RSLs Protection of GW		Ecological			Ohio EPA Leach-Based Soil Values [3]			
3	Risk-Based	MCL-based	Residential Soil	Industrial Soil	Risk-Based	MCL-based	Screening Levels	Soil Type I	Soil Type II	Soil Type II	Soil Type III	Sources ≥ ½ Acre	Sources < ½ Acre
4	mg/kg	mg/kg	µg/kg	µg/kg	µg/kg	µg/kg	mg/kg	mg/kg	µg/kg	mg/kg	mg/kg	mg/kg	mg/kg
5													
6													
7	0.28	0.07	810,000	3,600,000	280	70	29.8	1.2	740	0.74	1.3	-	-
8	0.00003	-	600	2,700	0.03	-	0.127	-	-	-	-	-	-
9	0.000013	0.0016	150	630	0.013	1.6	28.6	-	-	-	-	-	-
10	0.00078	-	3,600	16,000	0.78	-	20.1	-	-	-	-	-	-
11	0.01	0.0025	23,000	100,000	10	2.5	8.28	0.28	100	0.1	0.24	-	-
12	0.0012	0.2	5,800	26,000	1.2	200	11.1	-	-	-	-	-	-
13	0.00000014	0.000086	5.3	64	0.00014	0.086	0.0352	-	-	-	-	-	-
14	0.0000021	0.000014	36	160	0.0021	0.014	1.23	-	-	-	-	-	-
15	0.03	0.58	180,000	930,000	30	580	2.96	-	-	-	-	-	-
16	0.000048	0.0014	460	2,000	0.048	1.4	21.2	0.003	2	0.002	0.003	-	-
17	0.00015	0.0017	1,000	4,400	0.15	1.7	32.7	-	-	-	-	-	-
18	-	-	-	-	-	-	37.7	-	-	-	-	-	-
19	0.00046	0.072	2,600	11,000	0.46	72	0.546	-	-	-	-	-	-
20	0.12	-	2,700,000	19,000,000	120	-	89.6	1.8	1800	1.8	1.8	-	-
21	0.00088	-	20,000	130,000	0.88	-	12.6	-	-	-	-	-	-
22	0.14	-	3,300,000	14,000,000	140	-	443	-	-	-	-	-	-
23	0.29	-	6,100,000	67,000,000	290	-	2.5	-	-	-	-	-	-
24	0.00023	0.0026	1,200	5,100	0.23	2.6	0.255	0.017	9	0.009	0.015	-	-
25	0.000036	0.022	290	1,300	0.036	22	0.54	-	-	-	-	-	-
26	0.00087	0.021	19,000	86,000	0.87	21	15.9	-	-	-	-	-	-
27	0.00019	-	680	3,000	0.19	-	0.235	-	-	-	-	-	-
28	0.024	-	77,000	350,000	24	-	0.0941	-	-	-	-	-	-
29	0.00018	0.0019	650	2,900	0.18	1.9	2.98	0.25	250	0.25	0.28	-	-
30	0.0053	0.068	28,000	130,000	5.3	68	13.1	-	-	-	-	-	-
31	0.59	-	1,400,000	5,700,000	590	-	-	-	-	-	-	-	-
32	0.000061	0.022	320	1,400	0.061	22	1.19	-	-	-	-	-	-
33	0.0049	-	11,000	46,000	4.9	-	10.4	-	-	-	-	-	-
34	0.0011	0.021	16,000	230,000	1.1	21	-	0.12	70	0.07	0.12	-	-
35	-	-	-	-	-	-	0.398	-	-	-	-	-	-
36	1.3	-	650,000	2,700,000	1300	-	-	-	-	-	-	-	-
37	0.00023	0.021	8,300	39,000	0.23	21	2.05	-	-	-	-	-	-
38	0.03	-	8,700	37,000	30	-	39.5	-	-	-	-	-	-
39	0.0017	0.78	5,800	25,000	1.7	780	5.16	12	7900	7.9	18	-	-
40	0.074	-	190,000	990,000	74	-	-	-	-	-	-	-	-
41	0.41	-	7,800,000	120,000,000	410	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	47,000	210,000	3.2	-	-	-	-	-	-	-	-
44	0.0027	0.0013	35,000	320,000	2.7	1.3	4.05	-	-	-	-	-	-
45	0.13	0.11	600,000	3,500,000	130	110	4.69	0.46	370	0.37	0.62	-	-
46	0.0018	0.0023	8,100	39,000	1.8	2.3	9.92	0.15	110	0.11	0.27	-	-
47	0.076	0.69	490,000	4,700,000	76	690	5.45	6.8	4100	4.1	7.7	-	-
48	0.011	0.031	160,000	2,300,000	11	31	0.784	0.036	230	0.23	0.048	-	-
49	-	-	-	-	-	-	0.398	-	-	-	-	-	-
50	0.0001	0.0018	410	1,900	0.1	1.8	12.4	0.036	23	0.023	0.048	-	-
51	0.33	-	2,300,000	35,000,000	330	-	16.4	-	-	-	-	-	-
52	14	-	4,000,000	17,000,000	14000	-	-	-	-	-	-	-	-
53	0.0000065	0.00069	59	1,700	0.0065	0.69	0.646	0.009	5	0.005	0.012	-	-
54	0.019	9.9	58,000	250,000	19	9900	10	156	96000	96	191	-	-
55													
56													
57	0.026	-	310,000	4,700,000	26	-	19.9	-	-	-	-	-	-
58	0.4	-	630,000	8,200,000	400	-	14.1	-	-	-	-	-	-
59	0.0012	-	6,300	82,000	1.2	-	9.94	-	-	-	-	-	-
60	0.0023	-	19,000	250,000	2.3	-	87.5	-	-	-	-	-	-
61	0.042	-	130,000	1,600,000	42	-	0.01	-	-	-	-	-	-

	Q	R	S	T
1			Quantitation Limit	Method Detection Limit
2	Quantitation Limit	Method Detection Limit		
3				
4	mg/kg	mg/kg	µg/kg	µg/kg
5				
6				
7	0.25	0.021	250	21
8	0.25	0.0089	250	8.9
9	0.25	0.012	250	12
10	0.25	0.017	250	17
11	0.25	0.018	250	18
12	0.25	0.0073	250	7.3
13	0.5	0.05	500	50
14	0.25	0.01	250	10
15	0.25	0.0086	250	8.6
16	0.25	0.01	250	10
17	0.25	0.0082	250	8.2
18	0.25	0.0048	250	4.8
19	0.25	0.008	250	8
20	1	0.043	1,000	43
21	1	0.02	1,000	20
22	1	0.048	1,000	48
23	1	0.17	1,000	170
24	0.25	0.012	250	12
25	0.25	0.0099	250	9.9
26	0.25	0.019	250	19
27	0.25	0.029	250	29
28	0.25	0.012	250	12
29	0.25	0.0064	250	6.4
30	0.25	0.0064	250	6.4
31	0.25	0.061	250	61
32	0.25	0.0088	250	8.8
33	0.25	0.014	250	14
34	0.25	0.0069	250	6.9
35	0.25	0.0079	250	7.9
36	0.5	0.04	500	40
37	0.25	0.012	250	12
38	0.25	0.016	250	16
39	0.25	0.0054	250	5.4
40	0.25	0.0065	250	6.5
41	0.5	0.025	500	25
42	0.5	0.012	500	12
43	0.25	0.0071	250	7.1
44	0.25	0.077	250	77
45	0.25	0.0056	250	5.6
46	0.25	0.012	250	12
47	0.25	0.017	250	17
48	0.25	0.0092	250	9.2
49	0.25	0.02	250	20
50	0.25	0.0097	250	9.7
51	0.25	0.016	250	16
52	0.25	0.039	250	39
53	0.25	0.018	250	18
54	0.5	0.0062	500	6.2
55				
56				
57	0.1	0.0095	100	9.5
58	0.15	0.025	150	25
59	0.15	0.0089	150	8.9
60	0.15	0.02	150	20
61	0.15	0.02	150	20

	A	B	C
62	2,4-Dinitrophenol	13	160
63	2,4-Dinitrotoluene	1.7	7.4
64	2,6-Dinitrotoluene	0.36	1.5
65	2-Chloronaphthalene	480	6000
66	2-Chlorophenol	39	580
67	2-Methylnaphthalene	24	300
68	2-Methylphenol	320	4100
69	2-Nitroaniline	63	800
70	2-Nitrophenol	-	-
71	3&4-Methylphenol	-	-
72	3,3'-Dichlorobenzidine	1.2	5.1
73	3-Nitroaniline	-	-
74	4,6-Dinitro-2-methylphenol	0.51	6.6
75	4-Bromophenyl phenyl ether	-	-
76	4-Chloro-3-methylphenol	630	8200
77	4-Chloroaniline	2.7	11
78	4-Chlorophenyl phenyl ether	-	-
79	4-Nitroaniline	25	110
80	4-Nitrophenol	-	-
81	Acenaphthene	360	4500
82	Acenaphthylene	-	-
83	Acetophenone	780	12000
84	Anthracene	1800	23000
85	Atrazine	2.4	10
86	Benzaldehyde	170	820
87	Benzo(a)anthracene	0.16	2.9
88	Benzo(a)pyrene	0.016	0.29
89	Benzo(b)fluoranthene	0.16	2.9
90	Benzo(g,h,i)perylene	-	-
91	Benzo(k)fluoranthene	1.6	29
92	Biphenyl (1.1-Biphenyl)	4.7	20
93	bis(2-Chloroethoxy)methane	19	250
94	bis(2-Chloroethyl)ether	0.23	1
95	bis(2-Ethylhexyl)phthalate (DEHP)	39	160
96	Butyl benzylphthalate (BBP)	290	1200
97	Caprolactam	3100	40000
98	Carbazole	-	-
99	Chrysene	16	290
100	Dibenz(a,h)anthracene	0.016	0.29
101	Dibenzofuran	7.3	100
102	Diethyl phthalate	5100	66000
103	Dimethyl phthalate	-	-
104	Di-n-butylphthalate (DBP)	630	8200
105	Di-n-octyl phthalate (DnOP)	63	820
106	Fluoranthene	240	3000
107	Fluorene	240	3000
108	Hexachlorobenzene	0.21	0.96
109	Hexachlorobutadiene	1.2	5.3
110	Hexachlorocyclopentadiene	0.18	0.75
111	Hexachloroethane	1.8	8
112	Indeno(1,2,3-cd)pyrene	0.16	2.9
113	Isophorone	570	2400
114	Naphthalene	3.8	17
115	Nitrobenzene	5.1	22
116	N-Nitrosodi-n-propylamine	0.078	0.33
117	N-Nitrosodiphenylamine	110	470
118	Pentachlorophenol	1	4
119	Phenanthrene	-	-
120	Phenol	1900	25000
121	Pyrene	180	2300
122			

	D	E	F	G	H	I	J	K	L	M	N	O	P
62	0.0044	-	13,000	160,000	4.4	-	0.0609	-	-	-	-	-	-
63	0.00032	-	1,700	7,400	0.32	-	1.28	-	-	-	-	-	-
64	0.000067	-	360	1,500	0.067	-	0.0328	-	-	-	-	-	-
65	0.39	-	480,000	6,000,000	390	-	0.0122	-	-	-	-	-	-
66	0.0089	-	39,000	580,000	8.9	-	0.243	-	-	-	-	-	-
67	0.019	-	24,000	300,000	19	-	3.24	-	-	-	-	-	-
68	0.075	-	320,000	4,100,000	75	-	40.4	-	-	-	-	-	-
69	0.008	-	63,000	800,000	8	-	74.1	-	-	-	-	-	-
70	-	-	-	-	-	-	1.6	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-
72	0.00082	-	1,200	5,100	0.82	-	0.646	-	-	-	-	-	-
73	-	-	-	-	-	-	3.16	-	-	-	-	-	-
74	0.00026	-	510	6,600	0.26	-	0.144	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-
76	0.17	-	630,000	8,200,000	170	-	7.95	-	-	-	-	-	-
77	0.00016	-	2,700	11,000	0.16	-	1.1	-	-	-	-	-	-
78	-	-	-	-	-	-	-	-	-	-	-	-	-
79	0.0016	-	25,000	110,000	1.6	-	21.9	-	-	-	-	-	-
80	-	-	-	-	-	-	5.12	-	-	-	-	-	-
81	0.55	-	360,000	4,500,000	550	-	682	-	-	-	-	-	-
82	-	-	-	-	-	-	682	-	-	-	-	-	-
83	0.058	-	780,000	12,000,000	58	-	300	-	-	-	-	-	-
84	0.058	-	1,800,000	23,000,000	58	-	1480	-	-	-	-	-	-
85	0.0002	0.0019	2,400	10,000	0.2	1.9	-	-	-	-	-	-	-
86	0.0041	-	170,000	820,000	4.1	-	-	-	-	-	-	-	-
87	0.0042	-	160	2,900	4.2	-	5.21	-	-	-	-	-	-
88	0.004	0.24	16	290	4	240	1.52	-	-	-	-	-	-
89	0.041	-	160	2,900	41	-	59.8	-	-	-	-	-	-
90	-	-	-	-	-	-	119	-	-	-	-	-	-
91	0.4	-	1,600	29,000	400	-	148	-	-	-	-	-	-
92	0.00087	-	4,700	20,000	0.87	-	-	-	-	-	-	-	-
93	0.0013	-	19,000	250,000	1.3	-	0.302	-	-	-	-	-	-
94	0.0000036	-	230	1,000	0.0036	-	23.7	-	-	-	-	-	-
95	1.3	1.4	39,000	160,000	1300	1400	0.925	-	-	-	-	-	-
96	0.24	-	290,000	1,200,000	240	-	0.239	-	-	-	-	-	-
97	0.25	-	3,100,000	40,000,000	250	-	-	-	-	-	-	-	-
98	-	-	-	-	-	-	-	-	-	-	-	-	-
99	1.2	-	16,000	290,000	1200	-	4.73	-	-	-	-	-	-
100	0.013	-	16	290	13	-	18.4	-	-	-	-	-	-
101	0.015	-	7,300	100,000	15	-	-	-	-	-	-	-	-
102	0.61	-	5,100,000	66,000,000	610	-	24.8	-	-	-	-	-	-
103	-	-	-	-	-	-	734	-	-	-	-	-	-
104	0.23	-	630,000	8,200,000	230	-	0.15	-	-	-	-	-	-
105	5.7	-	63,000	820,000	5700	-	709	-	-	-	-	-	-
106	8.9	-	240,000	3,000,000	8900	-	122	-	-	-	-	-	-
107	0.54	-	240,000	3,000,000	540	-	122	-	-	-	-	-	-
108	0.00012	0.013	210	960	0.12	13	0.199	-	-	-	-	-	-
109	0.00027	-	1,200	5,300	0.27	-	0.0398	-	-	-	-	-	-
110	0.00013	0.16	180	750	0.13	160	0.755	-	-	-	-	-	-
111	0.0002	-	1,800	8,000	0.2	-	0.596	-	-	-	-	-	-
112	0.13	-	160	2,900	130	-	109	-	-	-	-	-	-
113	0.026	-	570,000	2,400,000	26	-	139	-	-	-	-	-	-
114	0.00054	-	3,800	17,000	0.54	-	0.0994	0.27	280	0.28	0.36	-	-
115	0.000092	-	5,100	22,000	0.092	-	1.31	-	-	-	-	-	-
116	0.0000081	-	78	330	0.0081	-	0.544	-	-	-	-	-	-
117	0.067	-	110,000	470,000	67	-	0.545	-	-	-	-	-	-
118	0.000057	0.0014	1,000	4,000	0.057	1.4	0.119	-	-	-	-	-	-
119	-	-	-	-	-	-	45.7	-	-	-	-	-	-
120	0.33	-	1,900,000	25,000,000	330	-	120	1.1	1100	1.1	1.2	-	-
121	1.3	-	180,000	2,300,000	1300	-	78.5	-	-	-	-	-	-
122													

	Q	R	S	T
52	0.33	0.021	330	21
53	0.2	0.017	200	17
54	0.2	0.021	200	21
55	0.05	0.00045	50	0.45
56	0.05	0.0082	50	8.2
57	0.00667	0.0005	6.67	0.5
58	0.2	0.011	200	11
59	0.2	0.0091	200	9.1
70	0.05	0.0083	50	8.3
71	0.4	0.02	400	20
72	0.1	0.018	100	18
73	0.2	0.016	200	16
74	0.15	0.0092	150	9.2
75	0.05	0.013	50	13
76	0.15	0.021	150	21
77	0.15	0.017	150	17
78	0.05	0.013	50	13
79	0.2	0.026	200	26
80	0.33	0.017	330	17
81	0.00667	0.00076	6.67	0.76
82	0.00667	0.00035	6.67	0.35
83	0.1	0.0092	100	9.2
84	0.00667	0.00078	6.67	0.78
85	0.2	0.0091	200	9.1
86	0.1	0.012	100	12
87	0.00667	0.00063	6.67	0.63
88	0.00667	0.00064	6.67	0.64
89	0.00667	0.00059	6.67	0.59
90	0.00667	0.00035	6.67	0.35
91	0.00667	0.00068	6.67	0.68
92	0.05	0.0035	50	3.5
93	0.1	0.022	100	22
94	0.1	0.002	100	2
95	0.07	0.019	70	19
96	0.07	0.01	70	10
97	0.33	0.037	330	37
98	0.05	0.027	50	27
99	0.00667	0.0011	6.67	1.1
100	0.00667	0.00066	6.67	0.66
101	0.05	0.00066	50	0.66
102	0.07	0.016	70	16
103	0.07	0.017	70	17
104	0.07	0.015	70	15
105	0.07	0.0079	70	7.9
106	0.00667	0.00055	6.67	0.55
107	0.00667	0.00053	6.67	0.53
108	0.00667	0.0021	6.67	2.1
109	0.05	0.0056	50	5.6
110	0.33	0.0081	330	8.1
111	0.05	0.009	50	9
112	0.00667	0.00035	6.67	0.35
113	0.05	0.013	50	13
114	0.00667	0.00082	6.67	0.82
115	0.1	0.0022	100	2.2
116	0.05	0.0063	50	6.3
117	0.05	0.021	50	21
118	0.15	0.0091	150	9.1
119	0.00557	0.00073	5.57	0.73
120	0.05	0.0073	50	7.3
121	0.00667	0.00044	6.67	0.44
122				

	A	B	C
123	***Metals***		
124	Aluminum	7700	110000
125	Antimony	3.1	47
126	Arsenic	0.68	3
127	Barium	1500	22000
128	Beryllium	16	230
129	Cadmium	-	-
130	Calcium	-	-
131	Chromium	-	-
132	Cobalt	2.3	35
133	Copper	310	4700
134	Iron	5500	82000
135	Lead	400	800
136	Magnesium	-	-
137	Manganese	180	2600
138	Mercury	1.1	4.6
139	Nickel	150	2200
140	Potassium	-	-
141	Selenium	39	580
142	Silver	39	580
143	Sodium	-	-
144	Thallium	0.078	1.2
145	Vanadium	39	580
146	Zinc	2300	35000
147			
148	***PCBs***		
149	Aroclor-1016 (PCB-1016)	0.41	5.1
150	Aroclor-1221 (PCB-1221)	0.2	0.83
151	Aroclor-1232 (PCB-1232)	0.17	0.72
152	Aroclor-1242 (PCB-1242)	0.23	0.95
153	Aroclor-1248 (PCB-1248)	0.23	0.95
154	Aroclor-1254 (PCB-1254)	0.12	0.97
155	Aroclor-1260 (PCB-1260)	0.24	0.99
156			
157	***Pesticides***		
158	4,4'-DDD	2.3	9.6
159	4,4'-DDE	2	9.3
160	4,4'-DDT	1.9	8.5
161	Aldrin	0.039	0.18
162	alpha-BHC	0.086	0.36
163	alpha-Chlordane	-	-
164	beta-BHC	0.3	1.3
165	Chlordane	0	0
166	delta-BHC	-	-
167	Dieldrin	0.034	0.14
168	Endosulfan I	47	700
169	Endosulfan II	47	700
170	Endosulfan sulfate	-	-
171	Endrin	1.9	25
172	Endrin aldehyde	-	-
173	Endrin ketone	-	-
174	gamma-BHC (lindane)	0.57	2.5
175	gamma-Chlordane	-	-
176	Heptachlor	0.13	0.63
177	Heptachlor epoxide	0.07	0.33
178	Methoxychlor	32	410
179	Toxaphene	0.49	2.1
180			
181	***Herbicides***		
182	2,4,5-TP (Silvex)	51	660
183	2,4-Dichlorophenoxyacetic acid (2,4-D)	70	960

	D	E	F	G	H	I	J	K	L	M	N	O	P
123													
124	30000	-	7,700,000	110,000,000	30000000	-	-	-	-	-	-	-	-
125	0.035	0.27	3,100	47,000	35	270	0.142	-	-	-	-	3.6	7.2
126	0.0015	0.29	680	3,000	1.5	290	5.7	-	-	-	-	3	6
127	16	82	1,500,000	22,000,000	16000	82000	1.04	-	-	-	-	56000	110000
128	1.9	3.2	16,000	230,000	1900	3200	1.06	-	-	-	-	57	114
129	0.069	0.38	-	-	69	380	0.00222	-	-	-	-	21	42
130	-	-	-	-	-	-	-	-	-	-	-	-	-
131	-	180000	-	-	-	180000000	0.4	-	-	-	-	56	113
132	0.027	-	2,300	35,000	27	-	0.14	-	-	-	-	-	-
133	2.8	46	310,000	4,700,000	2800	46000	5.4	-	-	-	-	-	-
134	35	-	5,500,000	82,000,000	35000	-	-	-	-	-	-	-	-
135	-	14	400,000	800,000	-	14000	0.0537	-	-	-	-	89	178
136	-	-	-	-	-	-	-	-	-	-	-	-	-
137	2.8	-	180,000	2,600,000	2800	-	-	-	-	-	-	-	-
138	0.0033	0.1	1,100	4,600	3.3	100	0.1	-	-	-	-	12	23
139	2.6	-	150,000	2,200,000	2600	-	13.6	-	-	-	-	182	363
140	-	-	-	-	-	-	-	-	-	-	-	-	-
141	0.052	0.26	39,000	580,000	52	260	0.0276	-	-	-	-	2.15	4.3
142	0.08	-	39,000	580,000	80	-	4.04	-	-	-	-	3120	6240
143	-	-	-	-	-	-	-	-	-	-	-	-	-
144	0.0014	0.14	78	1,200	1.4	140	0.0569	-	-	-	-	1.5	3
145	8.6	-	39,000	580,000	8600	-	1.59	-	-	-	-	130	65
146	37	-	2,300,000	35,000,000	37000	-	6.62	-	-	-	-	44000	88000
147													
148													
149	0.013	-	410	5,100	13	-	-	-	-	-	-	-	-
150	0.00008	-	200	830	0.08	-	-	-	-	-	-	-	-
151	0.00008	-	170	720	0.08	-	-	-	-	-	-	-	-
152	0.0012	-	230	950	1.2	-	-	-	-	-	-	-	-
153	0.0012	-	230	950	1.2	-	-	-	-	-	-	-	-
154	0.002	-	120	970	2	-	-	-	-	-	-	-	-
155	0.0055	-	240	990	5.5	-	-	-	-	-	-	-	-
156													
157													
158	0.0075	-	2,300	9,600	7.5	-	0.758	-	-	-	-	-	-
159	0.011	-	2,000	9,300	11	-	0.596	-	-	-	-	-	-
160	0.077	-	1,900	8,500	77	-	0.0035	-	-	-	-	-	-
161	0.00015	-	39	180	0.15	-	0.00332	-	-	-	-	-	-
162	0.000042	-	86	360	0.042	-	0.0994	-	-	-	-	-	-
163	0.0027	0.27	-	-	2.7	270	-	-	-	-	-	-	-
164	0.00015	-	300	1,300	0.15	-	0.00398	-	-	-	-	-	-
165	0	-					0.224	-	-	-	-	-	-
166	-	-	-	-	-	-	9.94	-	-	-	-	-	-
167	0.000071	-	34	140	0.071	-	0.00238	-	-	-	-	-	-
168	0.14	-	47000	700000	140	-	0.119	-	-	-	-	-	-
169	0.14	-	47000	700000	140	-	0.119	-	-	-	-	-	-
170	-	-	-	-	-	-	0.0358	-	-	-	-	-	-
171	0.0092	0.081	1,900	25,000	9.2	81	0.0101	-	-	-	-	-	-
172	-	-	-	-	-	-	0.0105	-	-	-	-	-	-
173	-	-	-	-	-	-	-	-	-	-	-	-	-
174	0.00024	0.0012	570	2,500	0.24	1.2	0.005	-	-	-	-	-	-
175	0.0027	0.27	-	-	2.7	270	-	-	-	-	-	-	-
176	0.00012	0.033	130	630	0.12	33	0.00598	-	-	-	-	-	-
177	0.000028	0.0041	70	330	0.028	4.1	0.152	-	-	-	-	-	-
178	0.2	2.2	32,000	410,000	200	2200	0.0199	-	-	-	-	-	-
179	0.011	0.46	490	2,100	11	460	0.119	-	-	-	-	-	-
180													
181													
182	0.0061	0.028	51,000	660,000	6.1	28	0.109	-	-	-	-	-	-
183	0.0045	0.018	70,000	960,000	4.5	18	0.0272	-	-	-	-	-	-

	Q	R	S	T
123				
124	20	9.6	20,000	9,600
125	1	0.39	1,000	390
126	1	0.3	1,000	300
127	20	0.071	20,000	71
128	0.5	0.043	500	43
129	0.2	0.036	200	36
130	500	16	500,000	16,000
131	0.5	0.2	500	200
132	5	0.16	5,000	160
133	2.5	0.74	2,500	740
134	10	4.9	10,000	4,900
135	0.3	0.19	300	190
136	500	5.1	500,000	5,100
137	1.5	0.074	1,500	74
138	0.1	0.015	100	15
139	4	0.27	4,000	270
140	500	6.2	500,000	6,200
141	0.5	0.45	500	450
142	0.5	0.1	500	100
143	500	66	500,000	66,000
144	1	0.55	1,000	550
145	5	0.12	5,000	120
146	2	1	2,000	1,000
147				
148				
149	0.033	0.021	33	21
150	0.033	0.016	33	16
151	0.033	0.014	33	14
152	0.033	0.013	33	13
153	0.033	0.017	33	17
154	0.033	0.017	33	17
155	0.033	0.017	33	17
156				
157				
158	0.0017	0.00062	1.7	0.62
159	0.0017	0.00039	1.7	0.39
160	0.0017	0.00063	1.7	0.63
161	0.0017	0.0012	1.7	1.2
162	0.0017	0.00073	1.7	0.73
163	0.0017	0.00094	1.7	0.94
164	0.0017	0.0011	1.7	1.1
165	0	0		
166	0.0017	0.0012	1.7	1.2
167	0.0017	0.00047	1.7	0.47
168	0.0017	0.00052	1.7	0.52
169	0.0017	0.00082	1.7	0.82
170	0.0017	0.00087	1.7	0.87
171	0.0017	0.0005	1.7	0.5
172	0.0017	0.001	1.7	1
173	0.0017	0.00063	1.7	0.63
174	0.0017	0.00074	1.7	0.74
175	0.0017	0.00042	1.7	0.42
176	0.0017	0.0011	1.7	1.1
177	0.0017	0.0008	1.7	0.8
178	0.0033	0.0015	3.3	1.5
179	0.067	0.019	67	19
180				
181				
182	0.02	0.00411	20	4.11
183	0.08	0.019	80	19

	A	B	C
184			
185	***Dioxins/Furans (pg/g)***		
186	2,3,7,8-Tetrachlorodibenzofuran (TCDF) (pg/g)	-	-
187	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (pg/g)	4800	22000
188			
189	***General Chemistry***		
190	Cyanide (total)	2.3	15
191	Ignitability	-	-
192	Nitrite/Nitrate	-	-
193	Corrosivity	-	-
194	Sulfide	-	-
195	Sulfide (acid soluble)	-	-
196	Temperature, sample	-	-
197	Total solids	-	-
198			
199	Notes:		
200			
201	Chemicals of Concern		
202	- - Not applicable.		
203	All units are in milligrams per kilogram (mg/kg), unless otherwise stated.		
204	[1] - United States Environmental Protection Agency Regional Screening Levels (RSL), May 2016, based on Target Cancer Risk of 1E-06, and Total Hazard Quotient of 0.1.		
205	[2] - United States Environmental Protection Agency RCRA Ecological Screening Levels, August 22, 2003		
206	[3] - Ohio EPA Voluntary Action Program Derived Leach-Based Soil Values Technical Guidance Document. October 2008. Retrieved from http://www.epa.state.oh.us/portals/30/vap/docs/sec-g-att.pdf		
207	[4] - G.P. Friday, 1998. Ecological Screening Values for Surface Water, Sediment, and Soil. Westinghouse Savannah River Company. Report WSRC-TR-98-00110		
208	[5] - USEPA. 2001. Supplemental Guidance to RAGS: Region 4 Bulletins, Ecological Risk Assessment. Originally published November 1995. Website version last updated		
209	November 30, 2001: http://www.epa.gov/region4/superfund/programs/riskassess/ecolbul.html		

	D	E	F	G	H	I	J	K	L	M	N	O	P
184													
185													
186	-	-	-	-	-	-	38.6	-	-	-	-	-	-
187	59	15000	0.0048	0.022	0.000059	0.015	0.199	-	-	-	-	-	-
188													
189													
190	0.0015	2	2,300	15,000	2	2,000	1	-	-	-	-	-	-
191	-	-	-	-	-	-	-	-	-	-	-	-	-
192	-	-	-	-	-	-	-	-	-	-	-	-	-
193	-	-	-	-	-	-	-	-	-	-	-	-	-
194	-	-	-	-	-	-	0.00358	-	-	-	-	-	-
195	-	-	-	-	-	-	-	-	-	-	-	-	-
196	-	-	-	-	-	-	-	-	-	-	-	-	-
197	-	-	-	-	-	-	-	-	-	-	-	-	-
198													
199													
200													
201													
202													
203													
204													
205													
206													
207													
208													
209													

	Q	R	S	T
184				
185			(pg/g)	
186	1	-	1	-
187	1	-	1	-
188				
189				
190	0.5	0.1	500	100
191	-	-	-	-
192	-	-	-	-
193	0.0001	-	0.1	-
194	30	22	30,000	22,000
195	-	-	-	-
196	-	-	-	-
197	-	-	-	-
198				
199				
200				
201				
202				
203				
204				
205				
206				
207				
208				
209				

	A	B	C	D	E	F
1		Project Action Limits				
2		USEPA Regional		USEPA Regional Screening Levels (RSLs) [1]	Vapor Intrusion Screening Levels[2]	
3		Tapwater	MCL		Groundwater Criteria Protective of Residential IA	Groundwater Criteria Protective of Industrial IA
4		µg/L	µg/L	µg/L	µg/L	µg/L
5						
6	**Volatile Organic Compounds**					
7	1,1,1-Trichloroethane	800	200	200	740	3100
8	1,1,2,2-Tetrachloroethane	0.076		0.076	3.2	14
9	1,1,2-Trichloroethane	0.041	5	5	0.62	2.6
10	1,1-Dichloroethane	2.8		2.8	7.6	33
11	1,1-Dichloroethene	28	7	7	20	82
12	1,2,4-Trichlorobenzene	0.4	70	70	3.6	15
13	1,2-Dibromo-3-chloropropane (DBCP)	0.00033	0.2	0.2	0.028	0.34
14	1,2-Dibromoethane (Ethylene dibromide)	0.0075	0.05	0.05	0.18	0.77
15	1,2-Dichlorobenzene	30	600	600	270	1100
16	1,2-Dichloroethane	0.17	5	5	2.2	9,8
17	1,2-Dichloropropane	0.44	5	5	2.4	11
18	1,3-Dichlorobenzene			-	-	-
19	1,4-Dichlorobenzene	0.48	75	75	2.6	11
20	2-Butanone (Methyl ethyl ketone) (MEK)	560		560	220000	940000
21	2-Hexanone	3.8		3.8	820	3400
22	4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	630		630	55000	230000
23	Acetone	1400		1400	2300000	9500000
24	Benzene	0.46	5	5	1.6	6.9
25	Bromodichloromethane	0.13	80	80	0.88	3.8
26	Bromoform	3.3	80	80	120	510
27	Bromomethane (Methyl bromide)	0.75		0.75	1.7	7.3
28	Carbon disulfide	81		81	120	520
29	Carbon tetrachloride	0.46	5	5	0.41	1.8
30	Chlorobenzene	7.8	100	100	41	170
31	Chloroethane	2100		2100	2300	9700
32	Chloroform (Trichloromethane)	0.22	80	80	0.81	3.6
33	Chloromethane (Methyl chloride)	19		19	26	110
34	cis-1,2-Dichloroethene	3.6	70	70	-	-
35	cis-1,3-Dichloropropene			-	-	-
36	Cyclohexane	1300		1300	100	430
37	Dibromochloromethane	0.87	80	80	-	-
38	Dichlorodifluoromethane (CFC-12)	20		20	0.74	3.1
39	Ethylbenzene	1.5	700	700	3.5	15
40	Isopropyl benzene	45		45	89	370
41	Methyl acetate	2000		2000	-	-
42	Methyl cyclohexane			-	-	-
43	Methyl tert butyl ether (MTBE)	14		14	450	2000
44	Methylene chloride	11	5	5	470	2000
45	Styrene	120	100	100	930	3900
46	Tetrachloroethene	4.1	5	5	5.8	24
47	Toluene	110	1000	1000	1900	8100
48	trans-1,2-Dichloroethene	36	100	100	-	-
49	trans-1,3-Dichloropropene			-	-	-
50	Trichloroethene	0.28	5	5	0.52	2.2
51	Trichlorofluoromethane (CFC-11)	520		520	-	-
52	Trifluorotrichloroethane (Freon 113)	5500		5500	150	610
53	Vinyl chloride	0.019	2	2	0.15	2.5
54	Xylenes (total)	19	10000	10000	38	160

	G	H	I
1			
2	**Quantitation Limit**	**Method Detection Limit**	
3			
4	**µg/L**	**µg/L**	
5			
6			
7	1	0.22	
8	1	0.18	
9	1	0.27	
10	1	0.15	
11	1	0.19	
12	1	0.15	
13	2	0.67	
14	1	0.24	
15	1	0.13	
16	1	0.22	
17	1	0.18	
18	1	0.14	
19	1	0.13	
20	10	0.57	
21	10	0.41	
22	10	0.32	
23	10	1.1	
24	1	0.13	
25	1	0.15	
26	1	0.64	
27	1	0.41	
28	1	0.13	
29	1	0.13	
30	1	0.15	
31	1	0.29	
32	1	0.16	
33	1	0.3	
34	1	0.17	
35	1	0.14	
36	1	0.12	
37	1	0.18	
38	1	0.31	
39	1	0.17	
40	1	0.13	
41	10	0.38	
42	1	0.13	
43	1	0.17	
44	1	0.33	
45	1	0.11	
46	1	0.29	
47	1	0.13	
48	1	0.19	
49	1	0.19	
50	1	0.17	
51	1	0.21	
52	1	0.28	
53	1	0.22	
54	2	0.14	

	A	B	C	D	E	F
55						
56	**Semi-Volatile Organic Compounds**					
57	1,2,4-Trichlorobenzene	0.4	70	70	-	-
58	1,2-Dichlorobenzene	30	600	600	-	-
59	1,3-Dichlorobenzene				-	-
60	1,4-Dichlorobenzene	0.48	75	75	-	-
61	2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	71		71	-	-
62	2,4,5-Trichlorophenol	120		120	-	-
63	2,4,6-Trichlorophenol	1.2		1.2	-	-
64	2,4-Dichlorophenol	4.6		4.6	-	-
65	2,4-Dimethylphenol	36		36	-	-
66	2,4-Dinitrophenol	3.9		3.9	-	-
67	2,4-Dinitrotoluene	0.24		0.24	-	-
68	2,6-Dinitrotoluene	0.049		0.049	-	-
69	2-Chloronaphthalene	75		75	-	-
70	2-Chlorophenol	9.1		9.1	-	-
71	2-Methylnaphthalene	3.6		3.6	-	-
72	2-Methylphenol	93		93	-	-
73	2-Nitroaniline	19		19	-	-
74	2-Nitrophenol			--	-	-
75	3&4-Methylphenol			--	-	-
76	3,3'-Dichlorobenzidine	0.13		0.13	-	-
77	3-Nitroaniline			--	-	-
78	4,6-Dinitro-2-methylphenol	0.15		0.15	-	-
79	4-Bromophenyl phenyl ether			--	-	-
80	4-Chloro-3-methylphenol	140		140	-	-
81	4-Chloroaniline	0.37		0.37	-	-
82	4-Chlorophenyl phenyl ether			--	-	-
83	4-Nitroaniline	3.8		3.8	-	-
84	4-Nitrophenol			--	-	-
85	Acenaphthene	53		53	-	-
86	Acenaphthylene			--	-	-
87	Acetophenone	190		190	-	-
88	Anthracene	180		180	-	-
89	Atrazine	0.3	3	3	-	-
90	Benzaldehyde	19		19	-	-
91	Benzo(a)anthracene	0.012		0.012	-	-
92	Benzo(a)pyrene	0.0034	0.2	0.2	-	-
93	Benzo(b)fluoranthene	0.034		0.034	-	-
94	Benzo(g,h,i)perylene			--	-	-
95	Benzo(k)fluoranthene	0.34		0.34	-	-
96	Biphenyl (1,1-Biphenyl)	0.083		0.083	-	-
97	bis(2-Chloroethoxy)methane	5.9		5.9	-	-
98	bis(2-Chloroethyl)ether	0.014		0.014	-	-
99	bis(2-Ethylhexyl)phthalate (DEHP)	5.6	6	6	-	-
100	Butyl benzylphthalate (BBP)	16		16	-	-
101	Caprolactam	990		990	-	-
102	Carbazole			--	-	-
103	Chrysene	3.4		3.4	-	-
104	Dibenz(a,h)anthracene	0.0034		0.0034	-	-
105	Dibenzofuran	0.79		0.79	-	-
106	Diethyl phthalate	1500		1500	-	-
107	Dimethyl phthalate			--	-	-
108	Di-n-butylphthalate (DBP)	90		90	-	-
109	Di-n-octyl phthalate (DnOP)	20		20	-	-
110	Fluoranthene	80		80	-	-
111	Fluorene	29		29	-	-
112	Hexachlorobenzene	0.0098	1	1	-	-
113	Hexachlorobutadiene	0.14		0.14	-	-
114	Hexachlorocyclopentadiene	0.041	50	50	-	-
115	Hexachloroethane	0.33		0.33	-	-

	G	H	I
55			
56			
57			
58			
59			
60	1	0.13	
61	1	0.4	
62	5	0.3	
63	5	0.24	
64	2	0.19	
65	2	0.25	
66	5	0.32	
67	5	0.25	
68	5	0.8	
69	1	0.1	
70	1	0.29	
71	0.2	0.0904	
72	1	0.17	
73	2	0.21	
74	2	0.28	
75	2	0.8	
76	5	0.37	
77	2	0.28	
78	5	2.4	
79	2	0.22	
80	2	0.21	
81	2	0.21	
82	2	0.3	
83	2	0.22	
84	5	0.29	
85	0.2	0.0442	
86	0.2	0.0481	
87	1	0.34	
88	0.2	0.0879	
89	1	0.34	
90	1	0.39	
91	0.2	0.0295	
92	0.2	0.0514	
93	0.2	0.0394	
94	0.2	0.0464	
95	0.2	0.0447	
96	1	0.13	
97	1	0.32	
98	1	0.1	
99	2	0.22	
100	2	0.26	
101	5	0.2	
102	1	0.28	
103	0.2	0.0502	
104	0.2	0.0446	
105	1	0.02	
106	2	0.6	
107	2	0.29	
108	2	0.67	
109	2	0.23	
110	0.2	0.0446	
111	0.2	0.0405	
112	0.2	0.0852	
113	1	0.27	
114	10	0.24	
115	1	0.19	

	A	B	C	D	E	F
116	Indeno(1,2,3-cd)pyrene	0.034		0.034	-	-
117	Isophorone	78		78	-	-
118	Naphthalene	0.17		0.17	-	-
119	Nitrobenzene	0.14		0.14	-	-
120	N-Nitrosodi-n-propylamine	0.011		0.011	-	-
121	N-Nitrosodiphenylamine	12		12	-	-
122	Pentachlorophenol	0.041	1	1	-	-
123	Phenanthrene			--	-	-
124	Phenol	580		580	-	-
125	Pyrene	12		12	-	-
126						
127	**Metals**					
128	Aluminum	2000		2000	-	-
129	Antimony	0.78	6	6	-	-
130	Arsenic	0.052	10	10	-	-
131	Barium	380	2000	2000	-	-
132	Beryllium	2.5	4	4	-	-
133	Cadmium	0.92	5	5	-	-
134	Calcium			-	-	-
135	Chromium		100	100	-	-
136	Cobalt	0.6		0.6	-	-
137	Copper	80	1300	1300	-	-
138	Iron	1400		1400	-	-
139	Lead	15	15	15	-	-
140	Magnesium			-	-	-
141	Manganese	43		43	-	-
142	Mercury	0.063	2	2	0.089	0.37
143	Nickel	39		39	-	-
144	Potassium			--	-	-
145	Selenium	10	50	50	-	-
146	Silver	9.4		9.4	-	-
147	Sodium			--	-	-
148	Thallium	0.02	2	2	-	-
149	Vanadium	8.6		8.6	-	-
150	Zinc	600		600	-	-
151	Zinc (dissolved)	600		600	-	-
152						

	G	H	I
116	0.2	0.0433	
117	1	0.27	
118	0.2	0.0627	
119	1	0.04	
120	1	0.24	
121	1	0.31	
122	5	0.27	
123	0.2	0.0619	
124	1	0.6	
125	0.2	0.042	
126			
127			
128	200	97	
129	10	1.8	
130	10	3.2	
131	200	0.67	
132	5	0.46	
133	2	0.66	
134	5000	130	
135	5	2.2	
136	7	1.7	
137	25	4.5	
138	100	81	
139	3	1.9	
140	5000	34	
141	15	0.41	
142	0.2	0.12	
143	40	3.2	
144	5000	72	
145	5	4.1	
146	5	2.2	
147	5000	590	
148	10	4.7	
149	7	0.64	
150	20	5	
151	20	5	
152			

	A	B	C	D	E	F
153	**PCBs**					
154	Aroclor-1016 (PCB-1016)	0.14		0.14	17	75
155	Aroclor-1221 (PCB-1221)	0.0047		0.0047	0.53	2.3
156	Aroclor-1232 (PCB-1232)	0.0047		0.0047	0.16	0.72
157	Aroclor-1242 (PCB-1242)	0.0078		0.0078	0.35	1.5
158	Aroclor-1248 (PCB-1248)	0.0078		0.0078	0.27	1.2
159	Aroclor-1254 (PCB-1254)	0.0078		0.0078	0.43	1.9
160	Aroclor-1260 (PCB-1260)	0.0078		0.0078	0.36	1.6
161						
162	**Pesticides**					
163	4,4'-DDD	0.032		0.032	-	-
164	4,4'-DDE	0.046		0.046	-	-
165	4,4'-DDT	0.23		0.23	-	-
166	Aldrin	0.00092		0.00092	-	-
167	alpha-BHC	0.0072		0.0072	-	-
168	alpha-Chlordane			--	-	-
169	beta-BHC	0.025		0.025	-	-
170	delta-BHC			--	-	-
171	Dieldrin	0.0018		0.0018	-	-
172	Endosulfan I			--	-	-
173	Endosulfan II			--	-	-
174	Endosulfan sulfate			--	-	-
175	Endrin	0.23	2	2	-	-
176	Endrin aldehyde			--	-	-
177	Endrin ketone			--	-	-
178	gamma-BHC (lindane)	0.042	0.2	0.2	-	-
179	gamma-Chlordane			--	-	-
180	Heptachlor	0.0014	0.4	0.4	-	-
181	Heptachlor epoxide	0.0014	0.2	0.2	-	-
182	Methoxychlor	3.7	40	40	-	-
183	Toxaphene	0.071	3	3	-	-
184						
185	***Herbicides***					
186	2,4,5-TP (Silvex)	11	50	50	-	-
187	2,4-Dichlorophenoxyacetic acid (2,4-D)	17	70	70	-	-
188						
189	***Gases***					
190	Ethane			-	-	-
191	Ethene			-	-	-
192	Methane			-	-	-
193						
194	***General Chemistry***					
195	Alkalinity, total (as CaCO3)			-	-	-
196	Chloride			-	-	-
197	Cyanide (total)	0.15	200	200	-	-
198	Dissolved organic carbon (DOC)			-	-	-
199	Hardness			-	-	-
200	Nitrate			-	-	-
201	Nitrate (as N)	3200	10000	10000	-	-
202	Nitrite			-	-	-
203	Nitrite (as N)	200	1000	1000	-	-
204	Sulfate			-	-	-
205	Sulfide			-	-	-
206	Total organic carbon (TOC)			-	-	-
207						

	G	H	I
153			
154	0.5	0.17	
155	0.5	0.13	
156	0.5	0.16	
157	0.5	0.22	
158	0.5	0.1	
159	0.5	0.16	
160	0.5	0.17	
161			
162			
163	0.05	0.0096	
164	0.05	0.0097	
165	0.05	0.016	
166	0.05	0.0082	
167	0.05	0.007	
168	0.05	0.014	
169	0.05	0.0084	
170	0.05	0.0087	
171	0.05	0.0075	
172	0.05	0.013	
173	0.05	0.012	
174	0.05	0.011	
175	0.05	0.011	
176	0.05	0.011	
177	0.05	0.0078	
178	0.05	0.0064	
179	0.05	0.012	
180	0.05	0.008	
181	0.05	0.0071	
182	0.1	0.032	
183	2	0.32	
184			
185			
186	1	0.2	
187	4	0.41	
188			
189			
190	0.5	0.19	
191	0.5	0.18	
192	0.5	0.07	
193			
194			
195	5	1.9	
196	1	0.1	
197	0.01	0.0032	
198	1	0.24	
199	5	3.1	
200			
201	0.1	0.012	
202			
203	0.1	0.012	
204	1	0.12	
205	3	0.94	
206			
207			

	A	B	C	D	E	F
208						
209	Notes:					
210						
211	Chemicals of Concern					
212	- - Not applicable.					
213	All units are in micrograms per liter (µg/L), unless otherwise stated.					
214	[1] - United States Environmental Protection Agency Regional Screening Levels (RSL), May 2016, based on Target Cancer Risk of 1E-06, and Total Hazard Quotient of 0.1.					
215	USEPA MCLs, and RSLs for Tapwater where MCLs are unavailable.					
216	[A] - United States Environmental Protection Agency RCRA Ecological Screening Levels, August 22, 2003					
217	[2] - United States Environmental Protection Agency Vapor Intrusion Screening Level (VISL) Calculator Version 3.5.1 (May 2016 RSLs), May 2016, based on Target Cancer Risk of 1E-06, and Total Hazard Quotient of 0.1. https://semspub.e					

	G	H	I
208			
209			
210			
211			
212			
213			
214			
215			
216			
217	pa.gov/src/document/11/196702		

	A	B	C	D	E	F
1						Project Act
2		USEPA Regional Screening Levels (RSLs) [5]		Vapor Intrusion Screening Levels		
3				Residential "Near-source" exterior soil gas	Industrial "Near-source" exterior soil gas [6]	
4		Residential Air	Industrial Air			Resi
5		µg/m³	µg/m³	µg/m³	µg/m³	ppb
6						
7	**Volatile Organic Compounds**					
8	1,1,1-Trichloroethane	520	2,200	17,000	73,000	-
9	1,1,2,2-Tetrachloroethane	0.048	0.21	1.6	7	-
10	1,1,2-Trichloroethane	0.021	0.088	0.7	2.9	-
11	1,1-Dichloroethane	1.8	7.7	58	260	37
12	1,1-Dichloroethene	21	88	700	2,900	-
13	1,2,4-Trichlorobenzene	0.21	0.88	7	29	-
14	1,2,4-Trimethylbenzene	0.73	3.1	24	100	-
15	1,2-Dibromoethane (Ethylene dibromide)	0.0047	0.02	0.16	0.68	-
16	1,2-Dichlorobenzene	21	88	700	2,900	-
17	1,2-Dichloroethane	0.11	0.47	3.6	16	-
18	1,2-Dichloropropane	0.28	1.2	9.4	41	-
19	1,2-Dichlorotetrafluoroethane (CFC 114)	-	-	-	-	-
20	1,3,5-Trimethylbenzene	-	-	-	-	-
21	1,3-Butadiene	0.094	0.41	3.1	14	-
22	1,3-Dichlorobenzene[1]	0.26	1.1	8.5	37	-
23	1,4-Dichlorobenzene	0.26	1.1	8.5	37	-
24	1,4-Dioxane	0.56	2.5	19	82	-
25	2,2,4-Trimethylpentane			-	-	-
26	2-Butanone (Methyl ethyl ketone) (MEK)	520	2,200	17,000	73,000	-
27	2-Chlorotoluene	-	-	-	-	-
28	2-Hexanone	3.1	13	100	440	-
29	4-Ethyl toluene	-	-	-	-	-
30	4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	310	1,300	10,000	44,000	-
31	Acetone	3,200	14,000	110,000	450,000	-
32	Allyl chloride	0.1	0.44	3.5	15	-
33	Benzene	0.36	1.6	12	52	4
34	Benzyl chloride	0.057	0.25	1.9	8.3	-
35	Bromodichloromethane	0.076	0.33	2.5	11	-
36	Bromoform	2.6	11	85	370	-
37	Bromomethane (Methyl bromide)	0.52	2.2	17	73	-
38	Butane	-	-	-	-	-
39	Carbon disulfide	73	310	2,400	10,000	-
40	Carbon tetrachloride	0.47	2	16	68	-
41	Chlorobenzene	5.2	22	170	730	-
42	Chlorodifluoromethane	5,200	22,000	170,000	730,000	-
43	Chloroethane	1,000	4,400	35,000	150,000	-
44	Chloroform (Trichloromethane)	0.12	0.53	4.1	18	200
45	Chloromethane (Methyl chloride)	9.4	39	310	1,300	-
46	cis-1,2-Dichloroethene[2]	-	-	-	-	88
47	cis-1,3-Dichloropropene[3]	0.7	3.1	23	100	-
48	Cyclohexane	630	2,600	21,000	88,000	-
49	Dibromochloromethane	-	-	-	-	-
50	Dichlorodifluoromethane (CFC-12)	10	44	350	1,500	-
51	Ethylbenzene	1.1	4.9	37	160	600
52	Hexachlorobutadiene	0.13	0.56	4.3	19	-
53	Hexane	73	310	2,400	10,000	-
54	Isopropyl alcohol	21	88	700	2,900	-
55	Isopropyl benzene	42	180	1,400	5,800	-
56	m&p-Xylenes	-	-	350	1,500	500
57	Methyl methacrylate	73	310	2,400	10,000	-
58	Methyl tert butyl ether (MTBE)	11	47	360	1,600	-
59	Methylene chloride	63	260	2,100	8,800	-

	G	H	I	J	K	L	M	N
1	on Limits						Quantitation Limit	Method Detection Limit
2			Ohio Department of Health					
3	Screening Levels			Sub-Slab Soil Gas Action Levels			Quantitation Limit	Method Detection Limit
4	dential	Non-Residential		Residential		Non-Residential		
5	µg/m^3	ppb	µg/m^3	ppb	µg/m^3	µg/m^3	µg/m^3	µg/m^3
6								
7								
8	-	-	-	-	-	-	1.1	0.16
9	-	-	-	-	-	-	1.4	0.42
10	-	-	-	-	-	-	1.1	0.29
11	150	160	630	370	1,500	6,300	0.81	0.11
12	-	-	-	-	-	-	0.79	0.13
13	-	-	-	-	-	-	7.4	0.73
14	-	-	-	-	-	-	0.98	0.31
15	-	-	-	-	-	-	1.5	0.34
16	-	-	-	-	-	-	1.2	0.42
17	-	-	-	-	-	-	0.81	0.19
18	-	-	-	-	-	-	0.92	0.24
19	-	-	-	-	-	-	1.4	0.22
20	-	-	-	-	-	-	0.98	0.32
21	-	-	-	-	-	-	0.88	0.14
22	-	-	-	-	-	-	1.2	0.39
23	-	-	-	-	-	-	1.2	0.38
24	-	-	-	-	-	-	1.8	0.29
25	-	-	-	-	-	-	2.3	0.18
26	-	-	-	-	-	-	2.9	0.59
27	-	-	-	-	-	-	2.1	0.33
28	-	-	-	-	-	-	2	0.24
29	-	-	-	-	-	-	2	0.32
30	-	-	-	-	-	-	2	0.18
31	-	-	-	-	-	-	12	3.3
32	-	-	-	-	-	-	0.64	0.18
33	10	20	40	40	100	400	0.64	0.18
34	-	-	-	-	-	-	2.1	0.4
35	-	-	-	-	-	-	1.3	0.29
36	-	-	-	-	-	-	2.1	0.5
37	-	-	-	-	-	-	0.78	0.12
38	-	-	-	-	-	-	0.95	0.17
39	-	-	-	-	-	-	1.6	0.097
40	-	-	-	-	-	-	1.3	0.24
41	-	-	-	-	-	-	0.92	0.23
42	-	-	-	-	-	-	0.71	0.13
43	-	-	-	-	-	-	0.53	0.092
44	1000	800	4000	2000	10,000	40,000	0.98	0.19
45	-	-	-	-	-	-	1	0.33
46	350	370	1500	880	3,500	15,000	0.79	0.24
47	-	-	-	-	-	-	0.91	0.34
48	-	-	-	-	-	-	1.7	0.14
49	-	-	-	-	-	-	1.7	0.36
50	-	-	-	-	-	-	0.99	0.34
51	3000	2500	13000	6000	30,000	130,000	0.87	0.3
52	-	-	-	-	-	-	11	0.83
53	-	-	-	-	-	-	1.8	0.11
54	-	-	-	-	-	-	4.9	0.23
55	-	-	-	-	-	-	2	0.29
56	2000	2000	8000	5000	20,000	80,000	0.87	0.52
57	-	-	-	-	-	-	2	0.32
58	-	-	-	-	-	-	3.6	0.61
59	-	-	-	-	-	-	1.7	0.45

	A	B	C	D	E	F
60	Naphthalene	0.083	0.36	2.8	12	7
61	o-Xylene	10	44	350	1,500	500
62	Pentane	100	440	3,333	15,000	-
63	Styrene	100	440	3,500	15,000	-
64	tert-Butyl alcohol	-	-	-	-	-
65	tert-Butylbenzene	-	-	-	-	-
66	Tetrachloroethene	4.2	18	140	580	60
67	Tetrahydrofuran	210	880	7,000	29,000	-
68	Toluene	520	2,200	17,000	73,000	-
69	trans-1,2-Dichloroethene	-	-	-	-	-
70	trans-1,3-Dichloropropene[4]	0.7	3.1	23	100	-
71	Trichloroethene	0.21	0.88	7	29	4
72	Trichlorofluoromethane (CFC-11)	-	-	-	-	-
73	Trifluorotrichloroethane (Freon 113)	3,100	13,000	100,000	440,000	-
74	Vinyl bromide (Bromoethene)	0.088	0.38	2.9	13	-
75	Vinyl chloride	0.17	2.8	5.6	93	4
76						
77	**Gases (% v/v)**					
78	Methane (% v/v)	-	-	-	-	0.5
79						
80						
81	Notes:					
82						
83	- - Not applicable.					
84	All units are in micrograms per cubic meter (ug/m^3), unless otherwise stated.					
85	[1] - An RSL is not available for 1,3-dichlorobenzene; the RSL for 1,4-dichlorobenzene was considered an evaluation surrogate for 1,3-dichlorobenzene.					
86	[2] - An RSL is not available for cis-1,2-dichloroethene; the RSL for trans-1,2-dichloroethene was considered an evaluation surrogate for cis-1,2-dichloroethene.					
87	[3] - An RSL is not available for cis-1,3-dichloropropene; the RSL for 1,3-dichloropropene was considered an evaluation surrogate for cis-1,3-dichloropropene.					
88	[4] - An RSL is not available for trans-1,3-dichloropropene; the RSL for 1,3-dichloropropene was considered an evaluation surrogate for trans-1,3-dichloropropene.					
89	[5] - United States Environmental Protection Agency Regional Screening Levels (RSL), May 2016, based on Target Cancer Risk of 1E-06, and Total Hazard Quotient of 0.1.					
90	[6] - United States Environmental Protection Agency Vapor Intrusion Screening Level (VISL) Calculator Version 3.5.1 (May 2016 RSLs), May 2016, based on Target Cancer Risk of 1E-06, and Total Hazard Quotient of 0.1. https://semspub.epa.gov/src/document/11					
91						

	G	H	I	J	K	L	M	N
60	36.7	29	152	-	-	-	2.6	0.47
61	2000	2000	8000	5000	20,000	80,000	0.87	0.26
62	-	-	-	-	-	-		
63	-	-	-	-	-	-	0.85	0.25
64	-	-	-	-	-	-	6.1	0.12
65	-	-	-	-	-	-	2.7	0.36
66	400	250	1700	600	4,000	17,000	1.4	0.27
67	-	-	-	-	-	-	2.9	0.19
68	-	-	-	-	-	-	0.75	0.45
69	-	-	-	-	-	-	0.79	0.2
70	-	-	-	-	-	-	0.91	0.22
71	20	20	100	40	200	1,000	1.1	0.19
72	-	-	-	-	-	-	1.1	0.13
73	-	-	-	-	-	-	1.5	0.24
74	-	-	-	-	-	-	0.87	0.15
75	10	20	40	40	100	400	0.51	0.18
76								
77								
78	0.5	0.5	0.5	0.5	0.5	0.5	0.16	0.16
79								
80								
81								
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87								
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89								
90	196702							
91								

	A	B	C	D
1				
2		Ecological Screening Levels [1]		Aquati
3			*Tier*	IMZM
4	**Parameter**	µg/L		µg/L
5				
6	**Parameter**			
7	**Volatile Organic Compounds**			
8	1,1,1-Trichloroethane	76	II	1400
9	1,1,2,2-Tetrachloroethane	380	II	1800
10	1,1,2-Trichloroethane	500	II	6600
11	1,1-Dichloroethane	47		ID
12	1,1-Dichloroethene	65	II	3800
13	1,2,4-Trichlorobenzene	30		
14	1,2,4-Trimethylbenzene	-	II	280
15	1,2-Dibromo-3-chloropropane (DBCP)	-		ID
16	1,2-Dibromoethane (Ethylene dibromide)	-		ID
17	1,2-Dichlorobenzene	14	II	260
18	1,2-Dichloroethane	910	II	19000
19	1,2-Dichloropropane	360	II	6500
20	1,3-Dichlorobenzene	38	II	160
21	1,4-Dichlorobenzene	9.4	II	110
22	2-Butanone (Methyl ethyl ketone) (MEK)	2,200	II	400,000
23	2-Hexanone	99		
24	4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	170		ID
25	Acetone	1,700		
26	Benzene	114	II	1400
27	Bromodichloromethane	-		ID
28	Bromoform	230		2200
29	Bromomethane (Methyl bromide)	16	II	75
30	Carbon disulfide	15	II	260
31	Carbon tetrachloride	240	II	4400
32	Chlorobenzene	47	II	850
33	Chloroethane	-		
34	Chloroform (Trichloromethane)	140	II	2600
35	Chloromethane (Methyl chloride)	-		
36	cis-1,2-Dichloroethene	-	II	18000
37	cis-1,3-Dichloropropene	-	II	30
38	Cyclohexane	-		
39	Dibromochloromethane	-		ID
40	Dichlorodifluoromethane (CFC-12)	-		ID
41	Ethylbenzene	14	II	1100
42	Isopropyl benzene	-	II	86
43	m&p-Xylenes	27		
44	Methyl acetate	-		
45	Methyl cyclohexane	-		
46	Methyl tert butyl ether (MTBE)	-	II	13000
47	Methylene chloride	940	II	22000
48	o-Xylene	27		
49	Styrene	32	II	570
50	Tetrachloroethene	45	II	850
51	Toluene	253	II	1100
52	trans-1,2-Dichloroethene	970	II	18000
53	trans-1,3-Dichloropropene	-	II	30
54	Trichloroethene	47	II	4000
55	Trichlorofluoromethane (CFC-11)	-		
56	Trifluorotrichloroethane (Freon 113)	-		
57	Vinyl chloride	930	II	17000
58	Xylenes (total)	27	II	480
59				
60	**Semi-Volatile Organic Compounds**			
61	bis(2-Chloroisopropyl) ether	-		
62	2,4,5-Trichlorophenol	-		
63	2,4,6-Trichlorophenol	4.9	II	79

	E	F	G	H	I	J	K	L	M
1		Project Action Limits							
2	c Life [2]		Human Health[2]		Water Quality Criteria[3]		USEPA Regional Screening Levels (RSLs) [4]	Quantitation Limit	Method Detection Limit
3	OMZM	OMZA	Drink	Nondrink	Water + Organism	Organism Only	Tapwater		
4	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
5									
6									
7									
8	690	76	200a	-	10,000	200,000	800	1	0.22
9	910	260	1.7c	110c	0.2	3	0.076	1	0.18
10	3300	740	5.0a,c	420c	0.55	8.9	0.041	1	0.27
11	ID	ID		-	-	-	2.8	1	0.15
12	1900	210	0.57c	32c	300	20,000	28	1	0.19
13		-	70a	940	0.071	0.076	0.4	1	0.15
14	140	15		-	-	-	1.5	1	0.15
15	ID	ID	0.2a	-	-	-	0.00033	2	0.67
16	ID	ID	0.050a	-	-	-	0.0075	1	0.24
17	130	23	600a	17,000	1,000	3,000	30	1	0.13
18	9600	2,000	3.8c	990c	9.9	650	0.17	1	0.22
19	3300	520	5.0a,c	390c	0.9	31	0.44	1	0.18
20	79	22	400	2,600	7	10	-	1	0.14
21	57	9.4	75a	2,600	300	900	0.48	1	0.13
22	200,000	22,000		-	-	-	560	10	0.57
23		-		-	-	-	3.8	10	0.41
24	ID	ID		-	-	-	630	10	0.32
25		-		-	-	-	1,400	10	1.1
26	700	160	5.0a,c	710c	2.1	58	0.46	1	0.13
27	ID	ID	5.6c	460c	0.95	27	0.13	1	0.15
28	1100	230	43c	3,600c	7	120	3.3	1	0.64
29	38	16	48	4,000	100	10,000	0.75	1	0.41
30	130	15	-	-	-	-	81	1	0.13
31	2200	240	2.5c	44c	0.4	5	0.46	1	0.13
32	420	47	100a	21,000	100	800	7.8	1	0.15
33		-	-	-	-	-	2,100	1	0.29
34	1300	140	57c	4,700c	60	2000	0.22	1	0.16
35		-	-	-	-	-	19	1	0.3
36	8800	970	70a	-	-	-	3.6	1	0.17
37	15	1.7	10	1,700	-	-	-	1	0.14
38		-	-	-	-	-	1,300	1	0.12
39	ID	ID	4.1c	340c	0.8	21	0.87	1	0.18
40	ID	ID		-	-	-	20	1	0.31
41	550	61	700a	29,000	68	130	1.5	1	0.17
42	43	4.8		-	-	-	45	1	0.13
43		-	-	-	-	-	-	2	0.24
44		-	-	-	-	-	2,000	10	0.38
45		-	-	-	-	-	-	1	0.13
46	8500	730		-	-	-	14	1	0.17
47	11000	1,900	5.0c	16,000c	20	1000	11	1	0.33
48		-	-	-	-	-	19	1	0.14
49	290	32	100a	-	-	-	120	1	0.11
50	430	53	5.0a,c	89c	10	29	4.1	1	0.29
51	560	62	1,000a	200,000	57	520	110	1	0.13
52	8800	970	100a	140,000	100	4,000	36	1	0.19
53	15	1.7	10	1700	-	-	1.7	1	0.19
54	2000	220	5.0a,c	810c	0.6	7	0.28	1	0.17
55		-	-	-	-	-	520	1	0.21
56		-	-	-	-	-	5,500	1	0.28
57	8400	930	2.0a,c	5,300c	0.022	1.6	0.019	1	0.22
58	240	27	10,000a	-	-	-	19	2	0.24
59									
60									
61		-	1400	170,000	200	4,000	71	1	0.4
62		-	2600	9,800	300	600	120	5	0.3
63	39	4.9	21c	65c	1.5	2.8	1.2	5	0.24

	A	B	C	D
64	2,4-Dichlorophenol	11	II	210
65	2,4-Dimethylphenol	100	II	280
66	2,4-Dinitrophenol	19		
67	2,4-Dinitrotoluene	44	II	790
68	2,6-Dinitrotoluene	81	II	1500
69	2-Chloronaphthalene	0.396		
70	2-Chlorophenol	24	II	580
71	2-Methylnaphthalene	330		
72	2-Methylphenol	67	II	1200
73	2-Nitroaniline	-		
74	2-Nitrophenol	-	II	1300
75	3-Methylphenol	62	II	1100
76	3&4-Methylphenol	-		
77	3,3'-Dichlorobenzidine	4.5		
78	3-Nitroaniline	-		
79	4,6-Dinitro-2-methylphenol	23		
80	4-Bromophenyl phenyl ether	1.5		
81	4-Chloro-3-methylphenol	34.8		
82	4-Chloroaniline	232		
83	4-Chlorophenyl phenyl ether	-		
84	4-Methylphenol	25	II	960
85	4-Nitroaniline	-		
86	4-Nitrophenol	60		
87	Acenaphthene	38	I	38
88	Acenaphthylene	4,840		
89	Acetophenone	-		
90	Anthracene	0.035	II	0.35
91	Atrazine	-		
92	Benzaldehyde	-		
93	Benzo(a)anthracene	0.025		ID
94	Benzo(a)pyrene	0.014		ID
95	Benzo(b)fluoranthene	9.07		ID
96	Benzo(g,h,i)perylene	7.64		ID
97	Benzo(k)fluoranthene	-		ID
98	Biphenyl (1,1-Biphenyl)	-	II	51
99	bis(2-Chloroethoxy)methane	-		
100	bis(2-Chloroethyl)ether	19,000		-
101	bis(2-Ethylhexyl)phthalate (DEHP)	0.3	II	2100
102	Butyl benzylphthalate (BBP)	23		260
103	Caprolactam	-		
104	Carbazole	-		
105	Chrysene	-		ID
106	Dibenz(a,h)anthracene	-		ID
107	Dibenzofuran	4	II	71
108	Diethyl phthalate	110	II	2000
109	Dimethyl phthalate	-	II	6400
110	Di-n-butylphthalate (DBP)	9.7		
111	Di-n-octyl phthalate (DnOP)	30		
112	Fluoranthene	1.9	II	7.4
113	Fluorene	19	I,I,II	220
114	Hexachlorobenzene	0.0003		
115	Hexachlorobutadiene	0.053		
116	Hexachlorocyclopentadiene	77		
117	Hexachloroethane	8		
118	Indeno(1,2,3-cd)pyrene	4.31		ID
119	Isophorone	920	II	15000
120	Naphthalene	13	II	340
121	Nitrobenzene	220	II	4000
122	N-Nitrosodi-n-propylamine	-		
123	N-Nitrosodiphenylamine	-		
124	Pentachlorophenol	4	I	OAC 37
125	Phenanthrene	3.6	II	61
126	Phenol (wwh, ewh, mwh)	-	I,I,II	9400
127	Phenol (lrw)	-	I,I,II	9400
128	Phenol (cwh, ssh)	-	I,I,II	9100
129	Phenol	-		

	E	F	G	H	I	J	K	L	M
64	110	11	0.3f	790	10	60	4.6	2	0.19
65	140	15	540	2,300	100	3,000	36	2	0.25
66		-	70	14,000	10	300	3.9	5	0.32
67	390	44	1.1c	91c	0.049	1.7	0.24	5	0.25
68	730	81		-	-	-	0.049	5	0.8
69		-	1700	4,300	800	1000	75	1	0.1
70	290	32	0.1f	400	30	800	9.1	1	0.29
71		-	-	-	-	-	3.6	0.2	0.0904
72	600	67		-	-	-	93	1	0.17
73		-		-	-	-	19	2	0.21
74	650	73		-	-	-	-	2	0.28
75	560	62		-	-	-	-	2	0.8
76		-		-	-	-	-	2	0.8
77		-	0.40c	0.77c	0.049	0.15	0.13	5	0.37
78		-		-	-	-	-	2	0.28
79		-	13	770	2	30	0.15	5	2.4
80		-	-	-	-	-	-	2	0.22
81		-	-	-	500	2,000	140	2	0.21
82		-	-	-	-	-	0.37	2	0.21
83		-	-	-	-	-	-	2	0.3
84	480	53		-	-	-	190	2	0.8
85		-		-	-	-	3.8	2	0.22
86		-		-	-	-	-	5	0.29
87	19	15	1200	2,700	70	90	53	0.2	0.0442
88		-	-	-	-	-	-	0.2	0.0481
89		-	-	-	-	-	190	1	0.34
90	0.18	0.02	9600	110,000	300	400	180	0.2	0.0879
91		-	3.0a	-	-	-	0.3	1	0.34
92		-		-	-	-	19	1	0.39
93	ID	ID	0.044c	0.49c	0.0012	0.0013	0.012	0.2	0.0295
94	ID	ID	0.044c	0.49c	0.00012	0.00013	0.0034	0.2	0.0514
95	ID	ID	0.044c	0.49c	0.0012	0.0013	0.034	0.2	0.0394
96	ID	ID	-	-	-	-	-	0.2	0.0464
97	ID	ID	0.044c	0.49c	0.012	0.013	0.34	0.2	0.0447
98	26	6.5		-	-	-	0.083	1	0.13
99		-		-	-	-	5.9	1	0.32
100	-	-	0.31c	14c	0.03	2.2	0.014	1	0.1
101	1100	8.4	6.0a,c	59c	0.32	0.37	5.6	2	0.22
102	130	23	3000	5,200	0.1	0.1	16	2	0.26
103		-	-	-	-	-	990	5	0.2
104		-	-	-	-	-	-	1	0.28
105	ID	ID	0.044c	0.49c	0.12	0.13	3.4	0.2	0.0502
106	ID	ID	0.044c	0.49c	0.00012	0.00013	0.0034	0.2	0.0446
107	36	4		-	-	-	0.79	1	0.02
108	980	220	23000	120,000	600	600	1,500	2	0.6
109	3200	1,100	310000	2,900,000	2,000	2,000	-	2	0.29
110		-	2700	12,000	20	30	90	2	0.67
111		-		-	-	-	20	2	0.23
112	3.7	0.8	300	370	20	20	80	0.2	0.0446
113	110	19	1300	14,000	50	70	29	0.2	0.0405
114		-	0.0075c	0.0077c	0.000079	0.000079	0.0098	0.2	0.0852
115		-	4.4c	500c	0.01	0.01	0.14	1	0.27
116		-	50a	17,000	4	4	0.041	10	0.24
117		-	19c	89c	0.1	0.1	0.33	1	0.19
118	ID	ID	0.044c	0.49c	0.0012	0.0013	0.034	0.2	0.0433
119	7500	920	360c	28,000c	34	1800	78	1	0.27
120	170	21		-	-	-	0.17	0.2	0.0627
121	2000	380	17	1,900	10	600	0.14	1	0.04
122		-	0.050c	14c	0.005	0.51	0.011	1	0.24
123		-	50c	160c	3.3	6	12	1	0.31
124	45-1-07, Table 7-10		1.0a,c	82c	0.03	0.04	0.041	5	0.27
125	31	2.3		-	-	-	-	0.2	0.0619
126	4700	400	1.0f	4,600,000	-	-	580	1	0.6
127	4700	NA	1.0f	4600000					
128	4600	160	1.0f	4600000					
129		-	-	-	4,000	300,000	580	1	0.6

	A	B	C	D
130	Pyrene	0.3	II	83
131				
132	**PCBs**			
133	PCBs (total)	0.00012		
134	Aroclor-1016 (PCB-1016)	0.00012		
135	Aroclor-1221 (PCB-1221)	0.00012		
136	Aroclor-1232 (PCB-1232)	0.00012		
137	Aroclor-1242 (PCB-1242)	0.00012		
138	Aroclor-1248 (PCB-1248)	0.00012		
139	Aroclor-1254 (PCB-1254)	0.00012		
140	Aroclor-1260 (PCB-1260)	0.00012		
141				
142	**Pesticides**			
143	4,4'-DDD	-		
144	4,4'-DDE	4.51E-09		
145	4,4'-DDT	0.000011		
146	Aldrin	170		
147	alpha-BHC	12.4		
148	alpha-Chlordane	0.0043		
149	beta-BHC	0.495		
150	delta-BHC	667		
151	Dieldrin	0.000071	I	0.47
152	Endosulfan I	0.056		
153	Endosulfan II	0.056		
154	Endosulfan sulfate	2.22		
155	Endrin	0.036	I	0.17
156	Endrin aldehyde	0.15		
157	Endrin ketone	-		
158	gamma-BHC (lindane)	0.026	I,I,II	1.9
159	gamma-Chlordane	0.0043		
160	Heptachlor	0.0038		
161	Heptachlor epoxide	-		
162	Methoxychlor	0.019		
163	Toxaphene	0.00014		
164				
165	***Herbicides***			
166	2,4,5-TP (Silvex)	30		
167	2,4-D (2,4-Dichlorophenoxyacetic acid)	220		
168	2,4,5-T			
169				

	E	F	G	H	I	J	K	L	M
130	42	4.8	960	11,000	20	30	12	0.2	0.042
131									
132									
133		-	0.0017c	0.0017c	0.000064	0.000064	-	-	-
134		-	0.0017c	0.0017c	-	-	0.14	0.5	0.17
135		-	0.0017c	0.0017c	-	-	0.0047	0.5	0.13
136		-	0.0017c	0.0017c	-	-	0.0047	0.5	0.16
137		-	0.0017c	0.0017c	-	-	0.0078	0.5	0.22
138		-	0.0017c	0.0017c	-	-	0.0078	0.5	0.1
139		-	0.0017c	0.0017c	-	-	0.0078	0.5	0.16
140		-	0.0017c	0.0017c	-	-	0.0078	0.5	0.17
141									
142									
143		-	0.0083c	0.0084c	0.00012	0.00012	0.032	0.05	0.0096
144		-	0.0059c	0.0059c	0.000018	0.000018	0.046	0.05	0.0097
145		-	0.0059c	0.0059c	0.00003	0.00003	0.23	0.05	0.016
146		-	0.0013c	0.0014c	0.00000077	0.00000077	0.00092	0.05	0.0082
147		-	0.039c	0.13c	0.00036	0.00039	0.0072	0.05	0.007
148		-		-	0.00031	0.00032	-	0.05	0.014
149		-	0.14c	0.46c	0.008	0.014	0.025	0.05	0.0084
150		-		-	0.0066	0.01	-	0.05	0.0087
151	0.24	0.056	0.0014c	0.0014c	0.0000012	0.0000012	0.0018	0.05	0.0075
152		-	110	240	20	30	-	0.05	0.013
153		-	110	240	20	40	-	0.05	0.012
154		-	110	240	20	40	-	0.05	0.011
155	0.086	0.036	0.76	0.81	0.03	0.03	-	0.05	0.011
156		-	0.76	0.81	1	1	0.23	0.05	0.011
157		-	-	-	-	-	-	0.05	0.0078
158	0.95	0.057	0.19c	0.63c	4.2	4.4	-	0.05	0.0064
159		-	-	-	0.00031	0.00032	0.042	0.05	0.012
160		-	0.0021c	0.0021c	0.0000059	0.0000059	0.0014	0.05	0.008
161		-	0.0010c	0.0011c	0.000032	0.000032	0.0014	0.05	0.0071
162		-	40a	-	0.02	0.02	3.7	0.1	0.032
163		-	0.0073c	0.0075c	0.0007	0.00071	0.071	2	0.32
164									
165									
166		-	-	-	100	400	11	1	0.2
167		-	-	-	1,300	12,000	17	4	0.41
168		-	-	-	-	-	-	1	0.3
169									

	A	B	C	D
170	**Metals**			
171	Aluminum	-		
172	Antimony	80	II	1800
173	Arsenic	148	I	680
174	Barium	220	II	4000
175	Beryllium	3.6	II	g
176	Cadmium	0.15	I	OAC 3
177	Calcium	-		
178	Chromium	42	I	OAC 3
179	Cobalt	24	II	440
180	Copper	1.58		OAC 3
181	Iron	-		
182	Lead	1.17	I	OAC 3
183	Magnesium	-		
184	Manganese	-		-
185	Manganese 2+	-		
186	Mercury	0.0013	I	3.4
187	Nickel	28.9	I	OAC 3
188	Potassium	-		
189	Selenium	5	I	
190	Silver	0.12	I	h
191	Sodium	-		
192	Thallium	10	II	160
193	Vanadium	12	II	300
194	Zinc	65.7	I	OAC 3
195				
196	***General Chemistry***			
197	Alkalinity, total (as CaCO3)	-		
198	Ammonia-N	-	I	OAC 3
199	Chloride	-		
200	Cyanide (total)	5.2		
201	Cyanide - free (wwh, ewh, mwh)	-	I	92
202	Dissolved organic carbon (DOC)	-		
203	Hardness	-		
204	Nitrate + Nitrite (as N)	-		
205	Nitrate	-		
206	Nitrate (as N)	-		
207	Nitrite	-		
208	Nitrite (as N)	-		
209	Sulfate	-		
210	Sulfide	-		
211	Total organic carbon (TOC)	-		
212				
213				

	E	F	G	H	I	J	K	L	M
170									
171		-	-	-	-	-	2,000	200	97
172	900	190	6.0a	4300	5.6	640	0.78	10	1.8
173	340	150	10a	-	0.018	0.14	0.052	10	3.2
174	2000	220	2,000a	-	1,000	-	380	200	0.67
175	g	g	4.0a	280	-	-	2.5	5	0.46
176	45-1-07, Table 7-9		5.0a	-	-	-	0.92	2	0.66
177		-	-	-	-	-	-	5,000	130
178	45-1-07, Table 7-9		100a	-	-	-	-	5	2.2
179	220	24		-	-	-	0.6	7	1.7
180	45-1-07, Table 7-9			1300	1300	-	80	25	4.5
181		-	-	-	-	-	1,400	100	81
182	45-1-07, Table 7-9		ID	ID	-	-	15	3	1.9
183		-	-	-	-	-	-	5,000	34
184	-	-	-	-	50	100	43	15	0.41
185		-	-	-	-	-	-		
186	1.7	0.91	0.012	0.012	-	-	0.063	0.2	0.12
187	45-1-07, Table 7-9		610	4600	610	4,600	39	40	3.2
188		-	-	-	-	-	-	5,000	72
189		5	50a	11000	170	4,200	10	5	4.1
190	h	1.3	50	-	-	-	9.4	5	2.2
191		-	-	-	-	-	-	5,000	590
192	79	17	1.7	6.3	0.24	0.47	0.02	10	4.7
193	150	44		-	-	-	8.6	7	0.64
194	45-1-07, Table 7-9		9100	69,000	7,400	26,000	600	20	5
195									
196									
197		-	-	-	-	-	-	5	1.9
198	45-1-07, Table 7-1			-	-	-	-		
199		-	250,000a	-	-	-	-	1	0.1
200		-		-	4	400	0.15	0.01	0.0032
201	46	12	200a	220,000	-	-	-		
202		-	-	-	-	-	-	1	0.24
203		-	-	-	-	-	-	5	3.1
204		-	-	-	-	-	-	0.1	0.023
205		-	-	-	10,000	-	-	0.1	0.023
206		-	-	-	10,000	-	3,200	0.1	0.023
207		-	-	-	-	-	-	0.1	0.012
208		-	-	-	-	-	200	0.1	0.012
209		-	-	-	-	-	-	1	0.12
210		-	-	-	-	-	-	3	0.94
211		-	-	-	-				
212									
213									

	A	B	C	D
214	Notes:			
215				
216	- - Not applicable.			
217	All units are in micrograms per liter (µg/L), unless otherwise stated.			
218	[1] - United States Environmental Protection Agency RCRA Ecological Screening Levels, August 22, 2003			
219	[2] - Ohio River Basin Aquatic Life and Human Health Tier 1 Criteria and Tier II Values			
220	Use Designation - Aquatic Life Habitat for Great Miami River all other segments - Warm Water Habitat (WWH). Recreation PCR, based on OAC 3745-1-21 Table 21-1			
221	[3] - USEPA National Recommended Water Quality Criteria - Human Health Criteria Table. Retrieved from https://www.epa.gov/wqc/national-recommended-water-quality-criteria-human-health-criteria-table			
222	[4] - United States Environmental Protection Agency Regional Screening Levels (RSL), May 2016, based on Target Cancer Risk of 1E-06, and Total Hazard Quotient of 0.1.			
223	ID - Insufficient data available to calculate criterion			
224	NA - Not applicable.			
225	IMNM - Inside Mixing Zone Maximum			
226	OMZM - Outside Mixing Zone Maximum.			
227	OMZA - Outside Mixing Zone Average.			
228	Drink - Human health criterion applicable to Public Water Supply streams (2-route exposure).			
229	Nondrink - Human health criterion - non Public Water Supply (1-route exposure).			
230	a - This criterion is the maximum contaminant level (MCL) developed under the “Safe Drinking Water Act”.			
231	b - No chlorine is to be discharged.			
232	c - This criterion is based on a carcinogenic endpoint.			
233	d - Equivalent 25°C specific conductance value is 2400 micromhos/cm.			
234	e - Equivalent 25°C specific conductance values are 1200 micromhos/cm as a maximum and 800 micromhos/cm as a thirty-day average.			
235	f - This criterion is based on protection against adverse aesthetic effects.			
236	g - Criteria dependent upon equations presented in [2] footnote g			
237	h - Criteria dependent upon equations presented in [2] footnote h			

	E	F	G	H	I	J	K	L	M
214									
215									
216									
217									
218									
219									
220									
221									
222									
223									
224									
225									
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231									
232									
233									
234									
235									
236									
237									

	A	B	C	D
1				Project Action Lim
2	**Parameter**	**USEPA Regional Screening Levels (RSLs) [1]**		**USEPA Ecological Screening Levels [2]**
3		**Residential Soil**	**Industrial Soil**	
4				
5	**Volatile Organic Compounds**			
6	1,1,1-Trichloroethane	810,000	3,600,000	213
7	1,1,2,2-Tetrachloroethane	600	2,700	850
8	1,1,2-Trichloroethane	150	630	518
9	1,1-Dichloroethane	3,600	16,000	0.575
10	1,1-Dichloroethene	23,000	100,000	19.4
11	1,2-Dichloroethane	460	2,000	260
12	1,2-Dichloropropane	1,000	4,400	333
13	2-Butanone (Methyl ethyl ketone) (MEK)	2,700,000	19,000,000	42.4
14	2-Hexanone	20,000	130,000	58.2
15	4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	3,300,000	14,000,000	25.1
16	Acetone	6,100,000	67,000,000	9.9
17	Benzene	1,200	5,100	142
18	Bromodichloromethane	290	1,300	-
19	Bromoform	19,000	86,000	492
20	Bromomethane (Methyl bromide)	680	3,000	1.37
21	Carbon disulfide	77,000	350,000	23.9
22	Carbon tetrachloride	650	2,900	1,450
23	Chlorobenzene	28,000	130,000	291
24	Chloroethane	1,400,000	5,700,000	-
25	Chloroform (Trichloromethane)	320	1,400	121
26	Chloromethane (Methyl chloride)	11,000	46,000	-
27	cis-1,3-Dichloropropene	-	-	-
28	cis-1,2-Dichloroethene	16,000	230,000	-
29	Ethylbenzene	5,800	25,000	175
30	Methylene chloride	35,000	320,000	159
31	Styrene	600,000	3,500,000	254
32	Tetrachloroethene	8,100	39,000	990
33	Toluene	490,000	4,700,000	1,220
34	trans-1,3-Dichloropropene	-	-	-
35	Trichloroethene	410	1,900	112
36	Vinyl chloride	59	1,700	202
37	Xylenes (total)	58,000	250,000	433
38				
39	**Semi-Volatile Organic Compounds**			
40	1,2,4-Trichlorobenzene	5,800	26,000	5,062
41	1,2-Dichlorobenzene	180,000	930,000	294
42	1,3-Dichlorobenzene	-	-	1,315
43	1,4-Dichlorobenzene	2,600	11,000	318
44	2,4,5-Trichlorophenol	630,000	8,200,000	-
45	2,4,6-Trichlorophenol	6,300	82,000	208
46	2,4-Dichlorophenol	19,000	250,000	81.7
47	2,4-Dimethylphenol	130,000	1,600,000	304
48	2,4-Dinitrophenol	13,000	160,000	6.21
49	2,4-Dinitrotoluene	1,700	7,400	14.4
50	2,6-Dinitrotoluene	360	1,500	39.8
51	2-Chloronaphthalene	480,000	6,000,000	417
52	2-Chlorophenol	39,000	580,000	31.9
53	2-Methylnaphthalene	24,000	300,000	20.2
54	2-Methylphenol	320,000	4,100,000	55.4
55	2-Nitroaniline	63,000	800,000	-
56	2-Nitrophenol	-	-	-
57	3,3'-Dichlorobenzidine	1,200	5,100	127
58	3-Nitroaniline	-	-	-

	E	F	G	H
1	its			
2	Consensus-Based PEC Values [3]	Ecological Screening Values [4] [5]	Quantitation Limit	Method Detection Limit
3				
4				
5				
6	-	34	250	21
7	-	940	250	8.9
8	-	319	250	12
9	-	131	250	17
10	-	41	250	18
11	-	385	250	10
12	-	272	5	0.69
13	-	992	20	1.4
14	-	-	20	0.63
15	-	2712	20	0.54
16	-	40	20	6.3
17	-	113	5	0.23
18	-	-	5	0.28
19	-	73	5	0.33
20	-	2	5	0.54
21	-	3.6	5	0.44
22	-	34	5	0.37
23	-	58	5	0.33
24	-	-	5	0.86
25	-	45	5	0.29
26	-	-	5	0.41
27	-	-	5	0.34
28	-	246	5	0.36
29	-	272	5	0.26
30	-	183	5	0.67
31	-	116	5	0.15
32	-	10	5	0.52
33	-	145	5	0.27
34	-	-	5	0.54
35	-	45	5	0.42
36	-	202	5	0.39
37	-	103	10	0.35
38				
39				
40	-	1700	250	7.3
41	-	88	250	8.6
42	-	83	250	4.8
43	-	35	250	8
44	-	34	150	25
45	-	87	150	8.9
46	-	54	150	20
47	-	35	150	20
48	-	202	330	21
49	-	127	200	17
50	-	271	200	21
51	-	1000	50	0.45
52	-	61	50	8.2
53	-	447	6.67	0.5
54	-	100	200	11
55	-	-	200	9.1
56	-	146	50	8.3
57	-	30	100	18
58	-	-	200	16

	A	B	C	D
59	4,6-Dinitro-2-methylphenol	510	6,600	104
60	4-Bromophenyl phenyl ether	-	-	1,550
61	4-Chloro-3-methylphenol	630,000	8,200,000	388
62	4-Chloroaniline	2,700	11,000	146
63	4-Chlorophenyl phenyl ether	-	-	-
64	4-Methylphenol	630,000	8,200,000	20.2
65	4-Nitroaniline	25,000	110,000	-
66	4-Nitrophenol	-	-	13.3
67	Acenaphthene	360,000	4,500,000	6.71
68	Acenaphthylene	-	-	5.87
69	Anthracene	1,800,000	23,000,000	57.2
70	Benzo(a)anthracene	160	2,900	108
71	Benzo(a)pyrene	16	290	150
72	Benzo(b)fluoranthene	160	2,900	10,400
73	Benzo(g,h,i)perylene	-	-	170
74	Benzo(k)fluoranthene	1,600	29,000	240
75	bis(2-Chloroethoxy)methane	19,000	250,000	-
76	bis(2-Chloroethyl)ether	230	1,000	3,520
77	bis(2-Ethylhexyl)phthalate (DEHP)	39,000	160,000	182
78	Butyl benzylphthalate (BBP)	290,000	1,200,000	1,970
79	Carbazole	-	-	-
80	Chrysene	16,000	290,000	166
81	Dibenz(a,h)anthracene	16	290	33
82	Dibenzofuran	7,300	100,000	449
83	Diethyl phthalate	5,100,000	66,000,000	295
84	Dimethyl phthalate	-	-	-
85	Di-n-butylphthalate (DBP)	630,000	8,200,000	1,114
86	Di-n-octyl phthalate (DnOP)	63,000	820,000	40,600
87	Fluoranthene	240,000	3,000,000	423
88	Fluorene	240,000	3,000,000	77.4
89	Hexachlorobenzene	210	960	20
90	Hexachlorobutadiene	1,200	5,300	26.5
91	Hexachlorocyclopentadiene	180	750	901
92	Hexachloroethane	1,800	8,000	584
93	Indeno(1,2,3-cd)pyrene	160	2,900	200
94	Isophorone	570,000	2,400,000	432
95	Naphthalene	3,800	17,000	176
96	Nitrobenzene	5,100	22,000	145
97	N-Nitrosodi-n-propylamine	78	330	-
98	N-Nitrosodiphenylamine	110,000	470,000	-
99	Pentachlorophenol	1,000	4,000	23,000
100	Phenanthrene	-	-	204
101	Phenol	1,900,000	25,000,000	49.1
102	Pyrene	180,000	2,300,000	195
103				
104	**Metals**			
105	Aluminum	7,700,000	110,000,000	-
106	Antimony	3,100	47,000	-
107	Arsenic	680	3,000	9,790
108	Barium	1,500,000	22,000,000	-
109	Beryllium	16,000	230,000	-
110	Cadmium	-	-	990
111	Calcium	-	-	-
112	Chromium	-	-	43,400
113	Cobalt	2,300	35,000	50,000
114	Copper	310,000	4,700,000	31,600
115	Cyanide (total)	2,300	15,000	0.1
116	Iron	5,500,000	82,000,000	-
117	Lead	400,000	800,000	35,800
118	Magnesium	-	-	-

	E	F	G	H
59	-	2477	150	9.2
60	-	46	50	13
61	-	37	150	21
62	-	316	150	17
63	-	-	50	13
64	-	78	400	20
65	-	-	200	26
66	-	135	330	17
67	-	491	6.67	0.76
68	-	452	6.67	0.35
69	845	594	6.67	0.78
70	1,050	841	6.67	0.63
71	1,450	-	6.67	0.64
72	-	979	6.67	0.59
73	-	1095	6.67	0.35
74	-	981	6.67	0.68
75	-	-	100	22
76	-	-	100	2
77	-	182	70	19
78	-	592	70	10
79	-	-	50	27
80	1,290	844	6.67	1.1
81	-	1123	6.67	0.66
82	-	151	50	0.66
83	-	231	70	16
84	-	348	70	17
85	-	220	70	15
86	-	513	70	7.9
87	2,230	707	6.67	0.55
88	536	538	6.67	0.53
89	-	0.32	6.67	2.1
90	-	8.8	50	5.6
91	-	6.6	330	8.1
92	-	24	50	9
93	-	1115	6.67	0.35
94	-	-	50	13
95	561	385	6.67	0.82
96	-	559	100	2.2
97	-	-	50	6.3
98	-	35	50	21
99	-	744	150	9.1
100	1,170	596	6.67	0.73
101	-	120	50	7.3
102	1,520	697	6.67	0.44
103				
104				
105	-	-	20,000	9,600
106	-	2000	1,000	390
107	33,000	9800	1,000	300
108	-	20000	20,000	71
109	-	-	500	43
110	4,980	1000	200	36
111	-	-	500,000	16,000
112	111,000	43400	500	200
113	-	50000	5,000	160
114	149,000	31600	2,500	740
115	-	-	500	100
116	-	20000000	10,000	4,900
117	128,000	35800	300	190
118	-	-	500,000	5,100

	A	B	C	D
119	Manganese	180,000	2,600,000	-
120	Mercury	1,100	4,600	174
121	Nickel	150,000	2,200,000	22,700
122	Potassium	-	-	-
123	Selenium	39,000	580,000	-
124	Silver	39,000	580,000	500
125	Sodium	-	-	-
126	Thallium	78	1,200	-
127	Vanadium	39,000	580,000	-
128	Zinc	2,300,000	35,000,000	121,000
129				
130	**PCBs**			
131	Aroclor-1016 (PCB-1016)	410	5,100	59.8
132	Aroclor-1221 (PCB-1221)	200	830	59.8
133	Aroclor-1232 (PCB-1232)	170	720	59.8
134	Aroclor-1242 (PCB-1242)	230	950	59.8
135	Aroclor-1248 (PCB-1248)	230	950	59.8
136	Aroclor-1254 (PCB-1254)	120	970	59.8
137	Aroclor-1260 (PCB-1260)	240	990	59.8
138	Total PCBs	-	-	59.8
139				
140	**Pesticides**			
141	4,4'-DDD	2,300	9,600	4.88
142	4,4'-DDE	2,000	9,300	3.16
143	4,4'-DDT	1,900	8,500	4.16
144	Aldrin	39	180	2
145	alpha-BHC	86	360	6
146	alpha-Chlordane	-	-	3.24
147	beta-BHC	300	1,300	5
148	delta-BHC	-	-	71,500
149	Dieldrin	34	140	1.9
150	Endosulfan I	-	-	3.26
151	Endosulfan II	-	-	1.94
152	Endosulfan sulfate	-	-	34.6
153	Endrin	1,900	25,000	2.22
154	Endrin aldehyde	-	-	480
155	Endrin ketone	-	-	-
156	gamma-BHC (lindane)	570	2,500	2.37
157	gamma-Chlordane	-	-	3.24
158	Heptachlor	130	630	0.6
159	Heptachlor epoxide	70	330	2.47
160	Methoxychlor	32,000	410,000	13.6
161	Toxaphene	490	2,100	0.077
162				
163	***General Chemistry***			
164	Percent moisture	-	-	-
165	Total organic carbon (TOC)	-	-	-
166				
167	Notes:			
168				
169	- - Not applicable.			
170	All units are in micrograms per kilogram (µg/kg), unless otherwise stated.			
171	[1] - United States Environmental Protection Agency Regional Screening Levels (RSL), May 2016, based on Target Cancer Risk of 1E-06, and Total Hazard Quotient of 0.1.			
172	[2] - United States Environmental Protection Agency RCRA Ecological Screening Levels, August 22, 2003			
173	[3] - MacDonald, D.D., C.G. Ingersoll, and T.A. Berger. 2000. Development and evaluation of consensus-based sediment			
174	quality guidelines for freshwater ecosystems. *Arch. Environ. Contam. Toxicol.* 39:20-31			
175	[4] - USEPA. 2015. Region 4 Ecological Risk Assessment Supplemental Guidance Interim Draft			
176	Originally published November 1995. Last Updated August 2015.			
177	https://www.epa.gov/sites/production/files/2015-09/documents/r4_era_guidance_document_draft_final_8-25-2015.pdf			

	E	F	G	H
119	-	460000	1,500	74
120	1,060	180	100	15
121	48,600	22700	4,000	270
122	-	-	500,000	6,200
123	-	11000	500	450
124	-	1000	500	100
125	-	-	500,000	66,000
126	-	-	1,000	550
127	-	-	5,000	120
128	459,000	121000	2,000	1,000
129				
130				
131	-	59.8	33	21
132	-	59.8	33	16
133	-	59.8	33	14
134	-	59.8	33	13
135	-	59.8	33	17
136	-	59.8	33	17
137	-	59.8	33	17
138	676	59.8		
139				
140				
141	28	1.22	1.7	0.62
142	31.3	2.07	1.7	0.39
143	62.9	1.19	1.7	0.63
144	-	29	1.7	1.2
145	-	1.6	1.7	0.73
146	17.6	3.24	1.7	0.94
147	-	6665	1.7	1.1
148	-	-	1.7	1.2
149	61.8	1.9	1.7	0.47
150	-	2.9	1.7	0.52
151	-	14	1.7	0.82
152	-	1	1.7	0.87
153	207	2.22	1.7	0.5
154	-	-	1.7	1
155	-	-	1.7	0.63
156	4.99	2.37	1.7	0.74
157	17.6	3.24	1.7	0.42
158	-	1.9	1.7	1.1
159	16	2.47	1.7	0.8
160	-	2.4	3.3	1.5
161	-	0.45	67	19
162				
163				
164	-	-	0.1	-
165	-	-	-	-
166				
167				
168				
169				
170				
171				
172				
173				
174				
175				
176				
177				

	A	B	C	D
178	[5] - G.P. Friday, 2005.. Ecological Screening Values for Surface Water, Sediment, and Soil: 2005 Update			
179	Westinghouse Savannah River Company. Report WSRC-TR-04-00227			

	E	F	G	H
178				
179				