

EXCEEDANCE TABLES FOR MERCER RUBBER OFFSITE INVESTIGATION

RESULTS FOR MARCH 2007 SAMPLING EVENT

SOILS - all concentrations in mg/kg (parts per million; ppm)

Analyte	COUNT	MIN	MAX	RDCSCC
Benzo(a)anthracene	1	1.8	1.8	0.9
Benzo(a)pyrene	1	1.9	1.9	0.66
Benzo(b)fluoranthene	2	1.1	2.2	0.9
Benzo(k)fluoranthene	1	2.3	2.3	0.9
Lead	1	482	482	400

Notes

COUNT = Number of samples in which contaminant was detected at a concentration above the applicable ground water quality standard or drinking water standard

MIN = Lowest contaminant concentration above the applicable ground water quality standard or drinking water standard

MAX = Greatest contaminant concentration above the applicable ground water quality standard or drinking water standard

RDCSCC = Residential Direct Contact Soil Cleanup Criteria

EXCEEDANCE TABLES FOR MERCER RUBBER OFFSITE INVESTIGATION

RESULTS FOR OCTOBER 2006 SAMPLING EVENT

GROUND WATER - all concentrations in ug/L (parts per billion; ppb)

Analyte	COUNT	MIN	MAX	STANDARD
No contaminants detected above GWQS				

Notes

STANDARD = Applicable ground water quality standard or drinking water standard

GWQS = Ground Water Quality Standards

SOILS - all concentrations in mg/kg (parts per million; ppm)

Analyte	COUNT	MIN	MAX	RDCSCC
Benzo(a)pyrene	1	0.68	0.68	0.66
Lead	2	430	773	400

Notes

RDCSCC = Residential Direct Contact Soil Cleanup Criteria

SEDIMENTS - SKATING POND - all concentrations in mg/kg (parts per million; ppm)

Analyte	COUNT	MIN	MAX	LEL	SEL
Analyte	COUNT	MIN	MAX	LEL	SEL
Anthracene	2	0.44	1.3	0.22	370
Benzo(a)anthracene	2	1.9	5.4	0.32	1480
Benzo(a)pyrene	2	2.2	5.3	0.37	1440
Benzo(b)fluoranthene	2	4	4.2	0.24	1340
Benzo(g,h,i)perylene	2	0.94	1.8	0.17	320
Chrysene	2	2.8	7.2	0.34	460
Dibenz(a,h)anthracene	1	0.3	0.3	0.06	130
Fluoranthene	2	5.8	13	0.75	1020
Fluorene	2	0.32	0.99	0.19	160
Indeno(1,2,3-cd)pyrene	2	0.8	1.6	0.2	320
Phenanthrene	2	2.6	8	0.56	950
Pyrene	2	6.1	18	0.49	850
4,4'-DDD	2	0.014	0.25	0.008	6
4,4'-DDE	2	0.019	0.037	0.005	19
4,4'-DDT	2	0.0071	0.027	0.007	12
Endrin	1	0.0056	0.0056	0.003	130
Cadmium	1	1	1	0.6	10
Chromium	1	30	30	26	110
Copper	2	18.7	44.7	16	110
Lead	2	54.3	141	31	250
Nickel	1	18.4	18.4	16	75
Zinc	2	133	250	120	820

Notes

LEL = Lowest Effects Level (screening criterion)

SEL = Severe Effects Level (screening criterion)

EXCEEDANCE TABLES FOR MERCER RUBBER OFFSITE INVESTIGATION

SURFACE WATER - SKATING POND

all concentrations in ug/L (parts per billion; ppb)

Analyte	COUNT	MIN	MAX	STANDARD
Benzo(a)anthracene	1	0.55	0.55	0.038
Benzo(a)pyrene	1	0.96	0.96	0.0038
Benzo(b)fluoranthene	1	1.2	1.2	0.038
Benzo(k)fluoranthene	1	1.1	1.1	0.38
Indeno(1,2,3-cd)pyrene	1	0.74	0.74	0.038
Arsenic	2	3	10.1	0.017
Lead	1	46	46	5

Notes

STANDARD = Human health criteria from Surface Water Quality Standards (N.J.A.C. 7:9B)

SEDIMENTS - UNNAMED TRIBUTARY MIRY RUN BROOK

all concentrations in mg/kg (parts per million; ppm)

Analyte	COUNT	MIN	MAX	LEL	SEL
Anthracene	5	0.51	2.3	0.22	370
Benzo(a)anthracene	9	0.42	7.3	0.32	1480
Benzo(a)pyrene	9	0.44	8.4	0.37	1440
Benzo(b)fluoranthene	14	0.29	14	0.24	1340
Benzo(g,h,i)perylene	9	0.2	2.3	0.17	320
Chrysene	12	0.35	9.1	0.34	460
Dibenz(a,h)anthracene	8	0.062	0.84	0.06	130
Fluoranthene	12	0.76	22	0.75	1020
Fluorene	5	0.25	2.1	0.19	160
Indeno(1,2,3-cd)pyrene	7	0.25	2.2	0.2	320
Phenanthrene	9	0.57	7.7	0.56	950
Pyrene	11	0.5	18	0.49	850
4,4'-DDD	3	0.011	0.48	0.008	6
4,4'-DDE	4	0.0055	0.036	0.005	19
4,4'-DDT	5	0.012	0.045	0.007	12
Aldrin	1	0.0027	0.0027	0.002	8
Dieldrin	1	0.0083	0.0083	0.002	91
Heptachlor epoxide	1	0.0085	0.0085	0.005	5
Arsenic	1	7.2	7.2	6	33
Cadmium	1	0.64	0.64	0.6	10
Copper	5	18.3	74.1	16	110
Lead	4	32.3	175	31	250
Nickel	1	19.4	19.4	16	75
Zinc	1	148	148	120	820

Notes

LEL = Lowest Effects Level (screening criterion)

SEL = Severe Effects Level (screening criterion)

EXCEEDANCE TABLES FOR MERCER RUBBER OFFSITE INVESTIGATION

SURFACE WATER - UNNAMED TRIBUTARY MIRY RUN BROOK

all concentrations in ug/L (parts per billion; ppb)

Analyte	COUNT	MIN	MAX	STANDARD
Bis(2-ethylhexyl)phthalate	2	1.8	2.4	1.2
Dibromochloromethane	1	0.46	0.46	0.4
Arsenic	11	0.26	4.9	0.017
Lead	2	5.5	5.5	5
Mercury	2	0.27	0.3	0.05
Thallium	3	0.26	6	0.24

Notes

STANDARD = Human health criteria from Surface Water Quality Standards (N.J.A.C. 7:9B)

SEDIMENT - BACKGROUND - all concentrations in mg/kg (parts per million; ppm)

Analyte	COUNT	MIN	MAX	LEL	SEL
Benzo(a)anthracene	1	0.74	0.74	0.32	1480
Benzo(a)pyrene	1	0.93	0.93	0.37	1440
Benzo(b)fluoranthene	1	1.2	1.2	0.24	1340
Benzo(g,h,i)perylene	1	0.42	0.42	0.17	320
Chrysene	1	1.1	1.1	0.34	460
Fluoranthene	1	2.1	2.1	0.75	1020
Indeno(1,2,3-cd)pyrene	1	0.41	0.41	0.2	320
Phenanthrene	1	0.81	0.81	0.56	950
Pyrene	1	1.8	1.8	0.49	850
Dieldrin	1	0.0052	0.0052	0.002	91
Heptachlor epoxide	1	0.0062	0.0062	0.005	5
Copper	1	27	27	16	110
Lead	1	47.8	47.8	31	250
Nickel	1	16.7	16.7	16	75
Zinc	1	132	132	120	820

Notes

LEL = Lowest Effects Level (screening criterion)

SEL = Severe Effects Level (screening criterion)