APPENDIX A

Remedial Investigation Data Evaluated in the BEE

Table A-1
Soil Sampling Analytical Results
M-2 Landfill Site
Fort Monmouth, New Jersey
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4286.02 B4 (6-12") 2/19/1999	4286.04 B5 (6-12") 2/19/1999	4286.06 B6 (6-12") 2/19/1999	4295.02 B13 (6-12") 2/23/1999	4295.04 B14 (6-12") 2/23/1999	4295.06 B15 (6-12") 2/23/1999	4298.02 B19 (6-12") 2/24/1999	4298.04 B20 (6-12") 2/24/1999	4298.06 B21 (6-12") 2/24/1999	4298.08 B25 (6-12") 2/24/1999
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	0.42J	ND
Anthracene	1,480	ND	ND	ND	ND	ND	ND	ND	ND	0.3J	ND
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	ND	ND	ND	0.22J	ND	ND	ND	2.7	ND
Benzo[a]pyrene	1.52	ND	ND	ND	ND	0.2J	ND	ND	ND	**2.9**	ND
Benzo[b]fluoranthene	59.8	ND	ND	ND	ND	0.16J	ND	ND	ND	4.5	ND
Benzo[g,h,I]perylene	119	ND	ND	ND	ND	0.13J	ND	ND	ND	1.5	ND
Benzo[k]fluoranthene	148	ND	ND	ND	ND	0.18J	ND	ND	ND	3.1	ND
bis(2-Ethylhexyl)phthalate	0.925	0.23JB	0.12JB	0.14JB	0.11J	0.16 J	0.21J	0.14J	0.16J	0.18J	0.22J
Chrysene	4.73	ND	ND	0.17J	ND	0.44J	ND	ND	ND	**6.3**	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	0.81J	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.28JB	0.28JB	0.84JB	0.74JB	1.3B	0.43JB	0.88JB	0.68JB	1.3B	1.1JB
Fluoranthene	122	ND	ND	0.17J	ND	0.46J	ND	ND	ND	1.4	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	ND	0.12 J	ND	ND	ND	1.5	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	ND	ND	0.39 J	ND	ND	ND	ND	ND
Pyrene	78.5	ND	ND	0.15 J	ND	0.46 J	ND	ND	ND	1.9	ND
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	ND	ND	0.021	ND	0.069	0.113	0.04	0.032	0.078	ND
4,4'-DDE	0.596	ND	0.016	0.019	ND	0.069	0.072	0.11	0.012	0.128	0.063
4,4'-DDT	0.0035	ND	**0.04**	ND	ND	**0.079**	ND	**0.176**	ND	**0.199**	**0.092**
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	**0.03**	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.371	**1.0**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See Notes at End of Table

Table A-1
Soil Sampling Analytical Results
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4286.02 B4 (6-12") 2/19/1999	4286.04 B5 (6-12") 2/19/1999	4286.06 B6 (6-12") 2/19/1999	4295.02 B13 (6-12") 2/23/1999	4295.04 B14 (6-12") 2/23/1999	4295.06 B15 (6-12") 2/23/1999	4298.02 B19 (6-12") 2/24/1999	4298.04 B20 (6-12") 2/24/1999	4298.06 B21 (6-12") 2/24/1999	4298.08 B25 (6-12") 2/24/1999
Metals (mg/kg)											
Aluminum	50	**8220**	**3930**	**14800**	**4850**	**11100**	**17400**	**4370**	**5320**	**11400**	**16300**
Antimony	0.27	**1.1**	**1.4**	**0.941**	**0.653**	**0.919**	**2.04**	**0.48**	**0.527**	**0.527**	**0.492**
Arsenic	9.9	8.01	**11.2**	**12.7**	5.41	**12.3**	**22.5**	2.22	3.68	**10.8**	**19**
Barium	283	29.6	12.9	46.3	9.51	68.3	198	7.44	12.6	54.3	28
Beryllium	10	0.871	0.488	1.49	0.492	2.11	2.67	0.177	0.394	1.31	1.53
Cadmium	0.36	0.245	**0.525**	**0.506**	0.158	**0.674**	**4.17**	**0.384**	0.248	0.181	ND
Calcium	NAV	521	275	1900	212	1030	1830	92.4	372	2050	434
Chromium	0.4	**99.3**	**69.6**	**88.9**	**81.5**	**106**	**182**	**19.4**	**29.7**	**145**	**153**
Cobalt	13	2.1	2.26	3.81	0.918	3.72	8.88	0.86	1.08	1.55	1.86
Copper	28	**41.3**	**29.6**	16.4	7.61	**35.6**	**391**	**66.6**	**69.8**	**71.5**	**72.6**
Iron	NAV	26000	16700	39900	18800	34000	74600	7890	12000	35900	42600
Lead	11	**31.7**	**28.9**	**21.1**	8.5	**48.7**	**187**	4.46	**27.7**	**62.4**	**31.6**
Magnesium	NAV	1930	986	3310	1170	2650	4490	437	742	4990	5230
Manganese	220	51.5	**2450**	89.5	14	49.1	**242**	12.3	13.2	57.4	51.1
Mercury	0.00051	**1.58**	**0.39**	**0.14**	**0.64**	**0.61**	**4.73**	**0.09**	**0.04**	**0.15**	**0.05**
Nickel	30	6.59	7.16	15.1	3.11	15.4	**32.8**	2.51	3.55	6.69	7.38
Potassium	NAV	4450	2430	6950	3040	5140	8990	849	1530	10600	11200
Selenium	0.21	**1.03**	**1.66**	**0.727**	**0.65**	**1.31**	**2.53**	ND	ND	**0.977**	**1.29**
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	171	80.2	110	58.6	76.4	164	146	223	140	155
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**78.9**	**51.7**	**60.3**	**69.7**	**58.5**	**91.5**	**17.9**	**23.7**	**60.3**	**81.9**
Zinc	8.5	122	**2720**	**242**	**42.8**	**187**	**605**	**9.61**	**41**	**140**	**50.4**

See Notes at End of Table

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Soil Sampling Analytical Results
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4298.10 B26 (6-12") 2/24/1999	4298.12 B27 (6-12") 2/24/1999	4327.02 B31 (6-12") 3/8/1999	4327.04 B32 (6-12") 3/8/1999	4327.06 B33 (6-12") 3/8/1999	4331.02 B34 (6-12") 3/9/1999	4331.04 B35 (6-12") 3/9/1999	4331.06 B36 (6-12") 3/9/1999	4331.08 B37 (6-12") 3/9/1999	4335.02 B38 (6-12") 3/10/1999
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	0.14J	0.15 J	0.34 J	ND	0.18 J	ND	ND	0.2 J	ND	0.12 J
Benzo[a]pyrene	1.52	0.17J	0.19 J	0.39 J	ND	0.19 J	ND	ND	0.21 J	ND	0.12 J
Benzo[b]fluoranthene	59.8	0.2J	0.22 J	0.34 J	ND	0.17 J	ND	ND	0.21 J	ND	ND
Benzo[g,h,I]perylene	119	0.12J	0.12 J	0.2 J	ND	0.12 J	ND	ND	0.14 J	ND	ND
Benzo[k]fluoranthene	148	0.17J	0.28 J	0.4 J	ND	0.18 J	ND	0.12 J	0.18 J	ND	0.12 J
bis(2-Ethylhexyl)phthalate	0.925	0.2J	0.28 J	0.53JB	0.13JB	0.2JB	0.19JB	0.18JB	0.29JB	ND	0.22JB
Chrysene	4.73	0.31J	0.34 J	0.68J	0.17J	0.36 J	0.16 J	0.17 J	0.35 J	ND	0.28 J
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	0.11 J	0.32JB	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.21JB	0.29JB	1.2JB	0.64JB	0.58JB	0.36JB	0.62JB	0.6JB	ND	1.6B
Fluoranthene	122	0.24J	0.22J	0.6 J	0.17J	0.42 J	0.14J	0.19 J	0.46 J	ND	0.2 J
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	0.12 J	0.21 J	ND	ND	ND	ND	0.14 J	ND	ND
Naphthalene	0.0994	ND	ND	**0.64 J**	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	0.14 J	ND	0.32 J	0.11 J	0.24 J	ND	ND	0.3 J	ND	0.23 J
Pyrene	78.5	0.26 J	0.23 J	0.67 J	0.15 J	0.37 J	0.15 J	0.15 J	0.37 J	ND	0.27 J
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	0.086	0.021	0.042	0.092	0.022	0.031	ND	0.062	ND	0.035
4,4'-DDE	0.596	0.22	0.05	0.052	0.041	0.015	0.028	0.02	0.027	ND	0.048
4,4'-DDT	0.0035	**0.61**	**0.064**	**0.044**	**0.037**	ND	ND	ND	**0.126**	ND	**0.187**
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	0.024	ND	ND
Dieldrin	0.0049	ND	ND	**0.040**	**0.014**	ND	ND	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	0.029	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4298.10 B26 (6-12") 2/24/1999	4298.12 B27 (6-12") 2/24/1999	4327.02 B31 (6-12") 3/8/1999	4327.04 B32 (6-12") 3/8/1999	4327.06 B33 (6-12") 3/8/1999	4331.02 B34 (6-12") 3/9/1999	4331.04 B35 (6-12") 3/9/1999	4331.06 B36 (6-12") 3/9/1999	4331.08 B37 (6-12") 3/9/1999	4335.02 B38 (6-12") 3/10/1999
Metals (mg/kg)											
Aluminum	50	**9000**	**7550**	**25400**	**10400**	**13000**	**9360**	**7460**	**4470**	**5850**	**9820**
Antimony	0.27	**0.555**	**0.54**	**2.48**	**2.31**	ND	ND	ND	**0.698**	**0.571**	ND
Arsenic	9.9	**10.2**	8.33	**37.7**	**10.2**	**16.3**	**11**	7.62	5.81	4.3	**11.4**
Barium	283	45.6	40	226	40.6	73.1	109	22.2	15.8	22.1	54.1
Beryllium	10	0.954	0.823	7.22	1.25	1.85	1.42	0.649	0.366	0.504	1.31
Cadmium	0.36	**505**	**0.58**	**11.4**	**0.917**	ND	ND	0.207	0.322	**4.97**	**26.3**
Calcium	NAV	2680	1970	2750	1500	958	1320	885	767	461	1050
Chromium	0.4	**98.7**	**76.8**	**165**	**379**	**228**	**156**	**66.1**	**40.7**	**49.7**	**132**
Cobalt	13	3.33	1.56	**35.9**	2.46	0.948	1.2	1.45	1.13	1.09	1.31
Copper	28	**161**	**64.2**	**337**	**153**	**66.5**	**48.2**	**44**	**45.6**	**43.2**	**54.8**
Iron	NAV	29900	24500	118000	25900	51200	34500	18900	13400	14400	30800
Lead	11	**80.1**	**38.4**	**163**	**897**	**20.6**	9.81	**18.6**	**16.4**	3.88	**17.3**
Magnesium	NAV	4670	2820	3740	2480	7330	4770	1700	726	1520	3950
Manganese	220	117	65.4	**775**	23.5	24.7	28.5	41.9	21.2	20.1	32.5
Mercury	0.00051	**0.24**	**0.13**	**1.87**	**1.07**	**0.04**	**0.04**	**0.09**	**0.05**	**0.04**	**0.08**
Nickel	30	9.68	5.39	**100**	14.1	4.79	5.19	5.08	4.57	3.04	4.87
Potassium	NAV	7280	5980	7240	5350	17800	11200	4040	1450	3400	9150
Selenium	0.21	**0.863**	**0.982**	**3.72**	**0.704**	**1.4**	**1.09**	ND	ND	ND	**1.13**
Silver	2	ND	ND	ND	1.15	ND	ND	ND	ND	ND	ND
Sodium	NAV	236	126	233	208	128	141	194	96.8	75.9	124
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**53.3**	**41.5**	**123**	**49.7**	**82.4**	**51.7**	**51.2**	**37.5**	**28.7**	**58.6**
Zinc	8.5	**102**	**66.9**	**683**	**106**	**72.6**	**65.4**	**44.6**	**38.2**	**20.8**	**57.4**

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Soil Sampling Analytical Results
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4335.04 B39 (6-12") 3/10/1999	4335.06 B40 (6-12") 3/10/1999	4335.08 B41 (6-12") 3/10/1999	4335.10 B42 (6-12") 3/10/1999	4340.02 B43 (6-12") 3/11/1999	4340.04 B44 (6-12") 3/11/1999	4349.02 B45 (6-12") 3/16/1999	4349.04 B46 (6-12") 3/16/1999	4349.06 B47 (6-12") 3/16/1999	4349.08 B48 (6-12") 3/16/1999
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	0.16J	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	0.21J	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	ND	ND	0.7J	ND	0.35 J	ND	ND	ND	ND
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	0.11 J	ND	2.2	ND	0.84 J	0.19J	0.19 J	ND	0.14 J
Benzo[a]pyrene	1.52	ND	0.12 J	ND	**2.2**	0.14 J	0.86 J	0.21 J	0.17 J	0.66 J	0.17 J
Benzo[b]fluoranthene	59.8	ND	ND	ND	2.1	ND	0.7 J	0.2 J	0.12 J	0.13 J	0.14 J
Benzo[g,h,I]perylene	119	ND	ND	ND	1.3	ND	0.49 J	0.15 J	0.12 J	0.16 J	ND
Benzo[k]fluoranthene	148	ND	ND	ND	1.8	ND	0.81 J	0.24 J	0.16 J	0.14 J	0.16 J
bis(2-Ethylhexyl)phthalate	0.925	ND	0.14JB	0.14JB	0.15JB	0.15JB	0.15JB	ND	0.32JB	ND	0.19JB
Chrysene	4.73	ND	0.24 J	0.2 J	3.7	0.19 J	1.5	0.38 J	0.4 J	0.61 J	0.28 J
Dibenz[a,h]anthracene	18.4	ND	ND	ND	0.64J	ND	0.22 J	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.89JB	0.4JB	1.1JB	0.33JB	0.98JB	0.38JB	0.3JB	0.76JB	038JB	0.55JB
Fluoranthene	122	ND	0.21 J	0.17 J	5.5	0.13 J	1.8	0.38 J	0.27 J	0.15 J	0.23 J
Fluorene	122	ND	ND	ND	0.16J	ND	0.13 J	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	1.3	ND	0.48 J	0.14 J	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	0.18 J	0.15 J	2.4	ND	1.2	0.18 J	0.3 J	ND	0.14 J
Pyrene	78.5	ND	0.25 J	0.19 J	4.1	0.15 J	1.5	0.36 J	0.39 J	0.18 J	0.25 J
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	0.022	0.087	0.059	0.023	0.173	0.043	ND	0.116	0.038	0.029
4,4'-DDE	0.596	0.015	0.083	0.04	0.029	0.078	0.041	0.095	0.098	0.05	0.032
4,4'-DDT	0.0035	ND	ND	ND	ND	**0.047**	ND	ND	**0.058**	**0.305**	ND
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.017
Dieldrin	0.0049	ND	ND	ND	ND	**0.091**	ND	ND	**0.015**	**0.019**	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	**0.019**	ND
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	**0.009**	ND
gamma-Chlordane	0.224	ND	ND	ND	0.013	ND	ND	ND	ND	ND	0.021
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See Notes at End of Table

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4335.04 B39 (6-12") 3/10/1999	4335.06 B40 (6-12") 3/10/1999	4335.08 B41 (6-12") 3/10/1999	4335.10 B42 (6-12") 3/10/1999	4340.02 B43 (6-12") 3/11/1999	4340.04 B44 (6-12") 3/11/1999	4349.02 B45 (6-12") 3/16/1999	4349.04 B46 (6-12") 3/16/1999	4349.06 B47 (6-12") 3/16/1999	4349.08 B48 (6-12") 3/16/1999
Metals (mg/kg)											
Aluminum	50	**18400**	**9770**	**8030**	**12200**	**12200**	**7990**	**11600**	**8680**	**11400**	**8380**
Antimony	0.27	ND	ND	ND	ND	**1.34**	ND	ND	ND	**0.475**	ND
Arsenic	9.9	**11.7**	**10.3**	**10.3**	**13.5**	7.23	7.93	9.04	**15**	**13.2**	**13.9**
Barium	283	117	64.3	58.1	77.8	34.6	53	95	54.9	47.7	69.6
Beryllium	10	2.71	1.39	1.11	1.81	1.73	1.12	2.03	1.15	1.52	1.32
Cadmium	0.36	0.166	**1.17**	ND	ND	ND	0.30	**0.756**	ND	ND	**0.431**
Calcium	NAV	1810	4230	862	1630	1260	1280	1740	1040	1770	1570
Chromium	0.4	**326**	**143**	**125**	**191**	**160**	**108**	**196**	**126**	**139**	**118**
Cobalt	13	0.756	1.73	1.45	1.72	1.14	1.12	1.65	1.27	1.53	1.26
Copper	28	**43.6**	**45.7**	**41.2**	**46.2**	**383**	**38.4**	**35.6**	27.2	**34.6**	**44**
Iron	NAV	60200	31900	31700	44000	36600	24200	44500	31400	40400	29900
Lead	11	4.27	**19.2**	**26.4**	**17.8**	**38.1**	**17.6**	**16.2**	**20**	**16.2**	**28.3**
Magnesium	NAV	10600	4410	3860	6130	5030	3300	6620	3840	4960	3870
Manganese	220	33.1	27.3	17.9	42.7	14.7	26.5	27.3	21.4	29.6	40.3
Mercury	0.00051	**0.03**	**0.07**	**0.05**	**0.03**	**0.39**	**0.07**	**0.22**	**0.1**	**0.06**	**0.05**
Nickel	30	5.1	8.43	9.16	6.54	6.95	5.24	11.1	5.35	7.59	5.7
Potassium	NAV	25800	10300	8540	14400	12200	7630	15200	8900	11700	9240
Selenium	0.21	**2.01**	**1.07**	**1.19**	**1.25**	ND	**1.09**	**1.7**	**1.72**	**0.818**	**1.63**
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	243	188	124	176	106	195	207	292	147	178
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**116**	**58.4**	**49.8**	**70.6**	**74.4**	**47.4**	**85.9**	**51.3**	**76.4**	**43**
Zinc	8.5	**122**	**61.5**	**41.6**	**95.6**	**48.7**	**62.1**	**240**	**49.2**	**76.8**	**82.4**

See Notes at End of Table

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Soil Sampling Analytical Results
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4356.02 B49 (6-12") 3/17/1999	4356.04 B50 (6-12") 3/17/1999	4356.06 B51 (6-12") 3/17/1999	4356.08 B52 (6-12") 3/17/1999	4356.10 B53 (6-12") 3/17/1999	4356.12 B54 (6-12") 3/17/1999	4356.14 B55 (6-12") 3/17/1999	4359.02 B56 (6-12") 3/18/1999	4359.04 B57 (6-12") 3/18/1999	4359.06 B58 (6-12") 3/18/1999
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	0.18 J	0.26 J	ND	ND	ND	ND	0.88 J	0.13 J	ND	0.22 J
Benzo[a]pyrene	1.52	0.17 J	0.31 J	ND	ND	ND	ND	1.0 J	0.12 J	ND	0.24 J
Benzo[b]fluoranthene	59.8	0.32 J	0.29 J	ND	ND	ND	ND	1.1 J	ND	ND	0.25 J
Benzo[g,h,I]perylene	119	0.13 J	0.32 J	ND	ND	ND	ND	0.76 J	ND	ND	0.15 J
Benzo[k]fluoranthene	148	0.29 J	0.21 J	ND	ND	ND	ND	0.97 J	ND	ND	0.2 J
bis(2-Ethylhexyl)phthalate	0.925	ND	0.19JB	0.15JB	ND	ND	0.15 JB	0.14 J	0.19 J	0.15 J	0.13 J
Chrysene	4.73	0.61 J	0.53 J	0.18 J	ND	0.20 J	ND	1.5	0.22 J	ND	0.42 J
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	0.25 J	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.38JB	0.7JB	0.16JB	0.83 JB	ND	0.64 JB	0.43JB	0.13JB	0.4JB	0.15JB
Fluoranthene	122	ND	0.37 J	0.15 J	ND	0.20 J	ND	0.78 J	0.23 J	ND	0.46 J
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	0.14 J	0.21 J	ND	ND	ND	ND	0.78 J	ND	ND	0.14 J
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	0.2 J	ND	ND	0.13 J	ND	ND	ND	ND	0.25 J
Pyrene	78.5	0.17 J	0.42 J	0.19 J	ND	0.27 J	ND	0.63 J	0.22 J	ND	0.4 J
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	0.195	0.133	0.106	0.024	0.037	ND	0.015	0.017	0.023	0.03
4,4'-DDE	0.596	0.158	0.109	0.047	0.031	0.048	0.014	0.028	0.018	0.016	0.033
4,4'-DDT	0.0035	**0.105**	**0.116**	**0.083**	**0.052**	ND	ND	ND	ND	ND	ND
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	**0.074**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	0.329	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4356.02 B49 (6-12") 3/17/1999	4356.04 B50 (6-12") 3/17/1999	4356.06 B51 (6-12") 3/17/1999	4356.08 B52 (6-12") 3/17/1999	4356.10 B53 (6-12") 3/17/1999	4356.12 B54 (6-12") 3/17/1999	4356.14 B55 (6-12") 3/17/1999	4359.02 B56 (6-12") 3/18/1999	4359.04 B57 (6-12") 3/18/1999	4359.06 B58 (6-12") 3/18/1999
Metals (mg/kg)											
Aluminum	50	**12500**	**6730**	**7310**	**8120**	**5860**	**5840**	**6320**	**4140**	**4690**	**4590**
Antimony	0.27	ND	ND	ND	ND	ND	ND	ND	**0.677**	ND	ND
Arsenic	9.9	**12.4**	7.92	**10.4**	8.57	**11.1**	6.67	6.67	9.78	6.36	5.85
Barium	283	27.1	54.3	67.3	48.6	63.6	36.3	26.2	46.5	34.5	19.1
Beryllium	10	1.47	1.16	1.19	0.966	1.00	0.637	0.669	0.535	0.741	0.569
Cadmium	0.36	ND	ND	ND	ND	ND	0.219	ND	0.323	ND	ND
Calcium	NAV	1920	907	1130	611	2910	5050	767	4310	629	459
Chromium	0.4	**163**	**89.3**	**101**	**104**	**72.7**	**63.7**	**56.9**	**49.5**	**64.6**	**58.4**
Cobalt	13	2.29	1.01	1.17	0.964	2.49	1.4	1.02	1.49	0.83	0.804
Copper	28	11.6	6.23	7.88	4.99	11.7	20.5	2.17	**33.4**	6.75	6.88
Iron	NAV	37700	23000	24900	24000	21300	19300	19700	15900	17700	13800
Lead	11	**21.7**	**15.8**	**18.1**	**16.2**	**18.1**	**36.7**	5.27	**41.9**	8.49	**13**
Magnesium	NAV	4610	2530	2480	2720	1900	2350	1790	1770	1860	1480
Manganese	220	41.4	19.9	20.1	16.4	28.2	123	39.6	83.4	13.3	8.5
Mercury	0.00051	**0.089**	**0.052**	**0.026**	**0.027**	**0.027**	**0.216**	ND	**0.401**	**0.078**	**0.091**
Nickel	30	8.21	5.1	5.72	4.33	9.07	6.42	3.81	5.9	3.69	3.44
Potassium	NAV	11100	6300	5980	6180	4900	4890	4270	3300	4400	3510
Selenium	0.21	**2.02**	**1.67**	**2.12**	**1.56**	**1.94**	**1.28**	ND	**1.11**	**1.41**	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	253	97.9	103	91.8	103	120	45.1	165	94.4	118
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**45.2**	**30.9**	**38.1**	**41.8**	**26.2**	**30.7**	**27.6**	**25.9**	**25.9**	**26.5**
Zinc	8.5	**91.8**	**54.6**	**50.4**	**42.2**	**49.6**	**96.8**	**20.8**	**126**	**34.7**	**27.9**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4359.08 B59 (6-12") 3/18/1999	4367.02 B59A (6-12") 3/23/1999	4367.04 B60 (6-12") 3/23/1999	4367.06 B61 (6-12") 3/23/1999	4367.08 B62 (6-12") 3/23/1999	4367.10 B63 (6-12") 3/23/1999	4367.12 B64 (6-12") 3/23/1999	4367.14 B65 (6-12") 3/23/1999	4380.02 B66 (6-12") 3/30/1999	4380.04 B67 (6-12") 3/30/1999
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	ND	ND	0.23 J	ND	ND	ND	0.24 J	ND	ND
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	0.12 J	ND	0.13 J	0.67 J	0.18 J	0.16 J	ND	0.75 J	ND	ND
Benzo[a]pyrene	1.52	ND	ND	ND	0.51 J	0.15 J	0.14 J	ND	0.6 J	ND	ND
Benzo[b]fluoranthene	59.8	ND	ND	ND	0.41 J	0.12 J	0.14 J	ND	0.58 J	ND	ND
Benzo[g,h,I]perylene	119	ND	ND	ND	0.36 J	ND	ND	ND	0.24 J	ND	ND
Benzo[k]fluoranthene	148	ND	ND	ND	0.44 J	0.13 J	0.15 J	ND	0.53 J	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	ND	0.11 J	ND	ND	ND	0.18 J	0.2 J	0.22J	ND	0.14JB
Chrysene	4.73	0.2 J	0.18 J	0.18 J	0.9 J	0.27 J	0.28 J	ND	1.2	0.16 J	0.14 J
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	ND	0.16JB	0.18JB	0.12JB	0.13JB	0.77JB	1.5JB	0.13JB	0.47JB	0.21JB
Fluoranthene	122	0.15 J	0.14 J	0.18 J	1.5	0.28 J	0.25 J	ND	1.3	ND	0.14 J
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	0.31 J	ND	ND	ND	0.23 J	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	0.15 J	0.14 J	ND	0.89 J	0.15 J	0.17 J	ND	0.82 J	ND	ND
Pyrene	78.5	0.23 J	0.22 J	0.21 J	1.3	0.27 J	0.26 J	ND	1.3	0.13 J	0.13 J
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	0.046	0.047	0.044	0.02	0.047	0.03	ND	0.131	0.025	ND
4,4'-DDE	0.596	0.028	0.026	ND	0.017	0.024	0.025	0.015	0.019	0.041	0.016
4,4'-DDT	0.0035	**0.041**	**0.065**	ND	**0.026**	ND	ND	ND	ND	**0.051**	ND
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	**0.012**	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.371	ND	ND	**0.651**	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4359.08 B59 (6-12") 3/18/1999	4367.02 B59A (6-12") 3/23/1999	4367.04 B60 (6-12") 3/23/1999	4367.06 B61 (6-12") 3/23/1999	4367.08 B62 (6-12") 3/23/1999	4367.10 B63 (6-12") 3/23/1999	4367.12 B64 (6-12") 3/23/1999	4367.14 B65 (6-12") 3/23/1999	4380.02 B66 (6-12") 3/30/1999	4380.04 B67 (6-12") 3/30/1999
Metals (mg/kg)											
Aluminum	50	**8650**	**7740**	**6100**	**10400**	**2990**	**5320**	**32000**	**4540**	**8390**	**8220**
Antimony	0.27	ND	ND	ND	**0.903**	**0.529**	**0.516**	ND	**0.538**	**0.788**	**0.49**
Arsenic	9.9	**11.8**	**12.3**	8.53	**11.4**	3.34	3.72	**26.8**	2.58	2.16	9.76
Barium	283	57.3	60	38.1	39.8	19.2	13.3	220	159	17.1	48.6
Beryllium	10	1.41	1.26	0.92	1.66	0.255	0.304	**10.6**	0.662	0.246	1.05
Cadmium	0.36	**0.484**	ND	ND	0.225	**0.655**	0.27	**1.36**	**0.578**	0.157	ND
Calcium	NAV	1220	990	759	1390	299	483	325	2170	267	1250
Chromium	0.4	**133**	**118**	**89.4**	**126**	**14.3**	**22.2**	**271**	**11.9**	**21.5**	**99.4**
Cobalt	13	1.37	1.19	0.93	1.45	0.727	1.11	**13.1**	7.29	0.988	1.21
Copper	28	11.5	10.2	7.05	12.8	10.6	5.18	**134**	**48**	13.4	10.3
Iron	NAV	30000	28400	23800	31200	4420	7850	89600	7670	6840	25600
Lead	11	**13.8**	**17.1**	**13.8**	**18.2**	**22.7**	7.45	**119**	6.85	6.86	**25**
Magnesium	NAV	3710	3220	2450	3880	285	506	4960	544	507	2720
Manganese	220	19.1	19.2	16.9	31.5	9.40	15.5	42.5	29.4	19	18.8
Mercury	0.00051	**0.071**	**0.079**	**0.06**	**0.133**	**0.074**	**0.08**	**16.7**	**0.173**	**0.078**	**0.117**
Nickel	30	5.9	5.18	3.97	6.85	3.47	5.93	**70.7**	19.6	4.44	5.9
Potassium	NAV	8580	7640	5710	8710	479	903	8570	274	1080	6160
Selenium	0.21	**1.8**	**1.66**	**1.29**	**0.938**	ND	ND	**2.01**	**1.06**	ND	**1.57**
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	219	225	89.7	160	84	113	291	358	133	148
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**44.7**	**43.8**	**32**	**46.8**	**11**	**16.3**	**189**	**17.3**	**17.1**	**39.6**
Zinc	8.5	**62.8**	**61.4**	**55.6**	**85**	**30.2**	**25.6**	**283**	**61.8**	**30.4**	**53.3**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4380.06 B68 (6-12") 3/30/1999	4380.08 B69 (6-12") 3/30/1999	4380.10 B70 (6-12") 3/30/1999	4395.02 B71 (6-12") 4/6/1999	4395.04 B72 (6-12") 4/6/1999	4395.06 B73 (6-12") 4/6/1999	4406.02 B74 (6-12") 4/9/1999	4406.04 B75 (6-12") 4/9/1999	4406.06 B76 (6-12") 4/9/1999	4415.02 B77 (6-12") 4/13/1999
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.27 J
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	0.3 J	ND	ND
Anthracene	1,480	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.55 J
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	ND	ND	ND	ND	0.12 J	ND	0.19 J	0.17 J	1.4
Benzo[a]pyrene	1.52	ND	ND	ND	ND	ND	0.13 J	ND	0.24 J	0.17 J	1.4
Benzo[b]fluoranthene	59.8	ND	ND	0.19 J	ND	ND	0.13 J	ND	0.19 J	0.18 J	1.1
Benzo[g,h,I]perylene	119	ND	ND	ND	ND	ND	ND	ND	0.25 J	ND	0.83 J
Benzo[k]fluoranthene	148	ND	ND	0.15 J	ND	ND	0.12 J	ND	0.19 J	0.14 J	1.2
bis(2-Ethylhexyl)phthalate	0.925	0.16JB	ND	0.33 JB	ND	ND	0.18 J	ND	ND	ND	ND
Chrysene	4.73	ND	0.19 J	0.34 J	0.15 J	ND	0.25 J	ND	0.45 J	0.3 J	2.4
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.31 J
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.68JB	0.13JB	1.5B	2.6 B	0.12JB	0.38JB	0.3JB	0.6JB	0.79JB	2.3B
Fluoranthene	122	ND	0.16 J	0.22 J	ND	ND	0.22 J	ND	0.21 J	0.4 J	3.4
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	ND	ND	ND	ND	0.2 J	ND	0.78 J
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	0.17 J	ND	ND	ND	ND	ND	ND	0.3 J	2.0
Pyrene	78.5	ND	0.19 J	0.23 J	0.14 J	ND	0.23J	ND	0.34 J	0.32 J	2.7
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	ND	0.062	0.14	0.059	0.295	0.081	0.168	ND	0.021	0.056
4,4'-DDE	0.596	0.012	0.023	0.056	0.028	0.072	0.049	0.038	0.013	0.03	0.039
4,4'-DDT	0.0035	ND	**0.044**	ND	ND	ND	**0.032**	**0.057**	ND	**0.073**	**0.028**
alpha-Chlordane	0.224	0.021	ND	ND	ND	ND	ND	0.022	ND	0.013	ND
Dieldrin	0.0049	ND	ND	ND	ND	**0.024**	ND	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	0.022	ND	ND	ND	ND	ND	0.019	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See Notes at End of Table

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4380.06 B68 (6-12") 3/30/1999	4380.08 B69 (6-12") 3/30/1999	4380.10 B70 (6-12") 3/30/1999	4395.02 B71 (6-12") 4/6/1999	4395.04 B72 (6-12") 4/6/1999	4395.06 B73 (6-12") 4/6/1999	4406.02 B74 (6-12") 4/9/1999	4406.04 B75 (6-12") 4/9/1999	4406.06 B76 (6-12") 4/9/1999	4415.02 B77 (6-12") 4/13/1999
Metals (mg/kg)											
Aluminum	50	**8220**	**10300**	**15300**	**8120**	**2400**	**7890**	**9570**	**3670**	**12400**	**9740**
Antimony	0.27	ND	**0.432**	**0.913**	ND	ND	**0.856**	ND	**2.31**	ND	ND
Arsenic	9.9	8.46	9.48	9.34	8.68	2.15	**81.3**	9.55	**15.1**	9.54	**11.9**
Barium	283	56.2	53.2	97.1	49.9	22.8	76.6	23.8	13.2	40.5	60.4
Beryllium	10	1.3	1.08	2.73	1.03	0.409	1.06	0.896	0.332	0.928	1.14
Cadmium	0.36	ND	ND	ND	ND	**1.7**	ND	ND	ND	ND	**2.89**
Calcium	NAV	864	819	660	1050	482	1340	1810	493	1350	4930
Chromium	0.4	**134**	**102**	**81.8**	**104**	**5.69**	**115**	**101**	**32.5**	**77.8**	**95.1**
Cobalt	13	1.39	2.00	8.05	1.12	3.32	0.861	1.53	3.58	3.38	2.59
Copper	28	8.25	16.8	**34**	3.97	18.9	3.19	16.1	**55.4**	14.1	27
Iron	NAV	28500	26000	29400	25200	3110	36400	25700	45400	32200	26800
Lead	11	**19.1**	**24.4**	**46.8**	**17.9**	3.73	**15.1**	**32.3**	**24.2**	**21.2**	**54**
Magnesium	NAV	3480	2830	2640	3110	341	3730	2760	443	2190	3780
Manganese	220	21.9	28.9	42.5	18.7	15.5	18	87.8	184	98	**685**
Mercury	0.00051	**0.062**	**0.13**	**0.161**	**0.066**	**0.092**	**0.051**	**0.103**	**0.058**	**0.083**	**0.623**
Nickel	30	6.21	7.69	**31.6**	4.33	12.5	3.86	6.18	6.72	10	11.9
Potassium	NAV	7660	5960	5820	8650	246	11700	6440	863	4600	7500
Selenium	0.21	**1.56**	**1.3**	**1.78**	**1.08**	ND	**1.45**	**0.759**	ND	ND	**1.23**
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	117	119	240	290	142	301	188	166	494	151
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**56**	**49.3**	**52.2**	**37.4**	**12.8**	**33**	**61.8**	**31.7**	**74.6**	**42.7**
Zinc	8.5	**46.4**	**52.5**	**108**	**41.6**	**47**	**47.9**	**63.7**	**43.6**	**80.5**	**422**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4415.04 B78 (6-12") 4/13/1999	4415.06 B79 (6-12") 4/13/1999	4415.08 B80 (6-12") 4/13/1999	4418.02 B81 (6-12") 4/14/1999	4418.04 B82 (6-12") 4/14/1999	4418.06 B83 (6-12") 4/14/1999	4418.08 B84 (6-12") 4/14/1999	4418.10 B85 (6-12") 4/14/1999	4418.12 B86 (6-12") 4/14/1999	4423.02 B87 (6-12") 4/16/1999
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	1.5	ND	ND	ND	ND	ND
Anthracene	1,480	0.15 J	ND	ND	ND	0.78 J	ND	ND	ND	ND	ND
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	0.51 J	ND	ND	ND	**9.5**	0.16 J	0.14 J	0.14 J	ND	ND
Benzo[a]pyrene	1.52	0.73 J	ND	ND	ND	**10 D**	0.15 J	ND	ND	ND	ND
Benzo[b]fluoranthene	59.8	0.68 J	ND	ND	ND	13 D	0.15 J	0.15 J	ND	ND	ND
Benzo[g,h,I]perylene	119	0.38 J	ND	ND	ND	2.7	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	148	0.74 J	ND	ND	ND	11 D	0.15 J	0.14 J	ND	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	0.18 J	ND	ND	ND	ND	ND	0.18 J	ND	ND	ND
Chrysene	4.73	0.84 J	0.18 J	ND	ND	**14 D**	0.26 J	0.24 J	0.31 J	ND	0.12 J
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	3.5 D	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.62JB	0.18JB	0.23JB	2.B	0.26 JB	0.17JB	1.2JB	22 BD	0.84JB	0.22JB
Fluoranthene	122	0.64 J	0.15 J	ND	ND	5.4	0.27 J	0.23 J	0.25 J	ND	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	0.34 J	ND	ND	ND	5.7 D	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	0.27 J	ND	ND	ND	0.22 J	0.16 J	0.1 J	0.39 J	ND	ND
Pyrene	78.5	0.76 J	0.18 J	ND	ND	12 D	0.3 J	0.25 J	0.38 J	ND	0.13 J
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	0.024	0.023	0.043	0.065	0.142	0.018	0.017	0.098	0.14	0.149
4,4'-DDE	0.596	0.028	0.028	0.047	0.087	0.088	0.038	0.055	0.068	0.098	0.044
4,4'-DDT	0.0035	ND	ND	**0.035**	ND	**0.114**	**0.027**	**0.085**	ND	ND	ND
alpha-Chlordane	0.224	0.017	ND	ND	ND	0.018	ND	0.02	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	0.018	ND	ND	ND	0.016	ND	0.028	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4415.04 B78 (6-12") 4/13/1999	4415.06 B79 (6-12") 4/13/1999	4415.08 B80 (6-12") 4/13/1999	4418.02 B81 (6-12") 4/14/1999	4418.04 B82 (6-12") 4/14/1999	4418.06 B83 (6-12") 4/14/1999	4418.08 B84 (6-12") 4/14/1999	4418.10 B85 (6-12") 4/14/1999	4418.12 B86 (6-12") 4/14/1999	4423.02 B87 (6-12") 4/16/1999
Metals (mg/kg)											
Aluminum	50	**6670**	**6570**	**7540**	**13900**	**5470**	**7290**	**5280**	**6500**	**6390**	**9620**
Antimony	0.27	**0.753**	ND	ND	**0.782**	**0.669**	**1.1**	**1.46**	**0.629**	**0.775**	**1.00**
Arsenic	9.9	6.13	6.87	**15.5**	**18.4**	6.31	**14**	7.15	**12.7**	**12.7**	**15.3**
Barium	283	45.2	37.9	34.4	80.9	27.2	47.5	48.8	88.7	74.1	47.3
Beryllium	10	0.499	0.574	0.68	1.59	0.647	0.915	0.571	1.14	1.6	0.944
Cadmium	0.36	**0.742**	**0.408**	ND	ND	0.112	0.22	**0.771**	0.174	**2.94**	ND
Calcium	NAV	10100	6570	1950	4200	621	2240	4870	8710	5160	1430
Chromium	0.4	**55.6**	**53.1**	**89.6**	**189**	**56.3**	**102**	**52.8**	**92.4**	**75.5**	**66.9**
Cobalt	13	2.11	2.11	1.01	1.42	1.1	1.34	3.5	1.73	2.53	1.31
Copper	28	26.7	**99**	11.7	9.12	6.57	17.6	**38.6**	7.22	7.53	12.3
Iron	NAV	18000	17600	24100	45000	18200	25200	17600	25500	18700	20900
Lead	11	**87.2**	**57.7**	**18.5**	**38.6**	**11.3**	**42.8**	**89.9**	**33.4**	**21.4**	**38.9**
Magnesium	NAV	2390	2580	2110	6090	1650	2770	1870	2900	2200	1860
Manganese	220	**311**	158	31.2	34.1	19.3	102	198	28.7	22.5	28
Mercury	0.00051	**0.31**	**0.376**	**0.083**	**0.117**	**0.119**	**0.566**	**0.254**	**0.097**	**0.121**	**0.136**
Nickel	30	8.11	6.97	4.9	7.61	4.39	5.65	12.9	6.44	15.7	7.53
Potassium	NAV	3540	4440	5070	13100	3340	5950	2760	6990	5020	3800
Selenium	0.21	ND	ND	**0.93**	**1.97**	**0.787**	**1.44**	**1.37**	**2.5**	**2.49**	**1.77**
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	115	158	252	203	93.4	116	185	380	648	544
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**30.5**	**30**	**78.9**	**70.1**	**26.2**	**53.7**	**28.3**	**22.1**	**20.6**	**27.1**
Zinc	8.5	**145**	**126**	**46.1**	**74.4**	**59.6**	**82.1**	**215**	**81.8**	**106**	**56.7**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4423.04 B88 (6-12") 4/16/1999	4423.06 B89 (6-12") 4/16/1999	4423.08 B90 (6-12") 4/16/1999	4423.10 B91 (6-12") 4/16/1999	4434.02 B92 (6-12") 4/20/1999	4434.04 B93 (6-12") 4/20/1999	4434.06 B94 (6-12") 4/20/1999	4434.08 B95 (6-12") 4/20/1999	4434.10 B96 (6-12") 4/20/1999	4443.02 B97 (6-12") 4/26/1999
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	ND	ND	ND	ND	ND	0.12 J	ND	0.47 J	ND
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	0.099 J	ND	ND	ND
Benzo[a]anthracene	5.21	ND	ND	0.5 J	ND	0.19 J	ND	0.13 J	ND	1.4 J	0.44 J
Benzo[a]pyrene	1.52	ND	ND	0.48 J	ND	0.21 J	ND	ND	ND	1.0 J	0.38 J
Benzo[b]fluoranthene	59.8	0.13 J	ND	0.44 J	ND	0.21 J	ND	0.12 J	ND	1.0 J	0.33 J
Benzo[g,h,I]perylene	119	ND	ND	ND	ND	ND	ND	ND	ND	0.54 J	0.15 J
Benzo[k]fluoranthene	148	ND	ND	0.49 J	ND	0.21 J	ND	0.15 J	ND	1.1 J	0.38 J
bis(2-Ethylhexyl)phthalate	0.925	ND	ND	ND	ND	ND	0.18JB	0.18JB	ND	0.21JB	**2.0 B**
Chrysene	4.73	0.23 J	ND	0.82 J	0.15 J	0.34 J	ND	0.23 J	ND	2.4	0.5 J
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	1.1JB	0.2JB	1.0 JB	0.56JB	ND	0.51JB	0.21JB	0.44JB	0.62JB	0.19JB
Fluoranthene	122	0.18 J	0.15 J	0.77 J	0.15 J	0.39 J	ND	0.17 J	ND	3.6	0.3 J
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	0.16 J	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	0.29 J	ND	ND	ND	ND	ND	0.47 J	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	0.44 J	ND	0.29 J	ND	0.12 J	ND	2.8	ND
Pyrene	78.5	0.19 J	0.2 J	0.96 J	0.18 J	0.43 J	ND	0.18 J	ND	3.3	0.31 J
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	0.13	0.014	ND	ND	0.037	0.027	0.118	ND	0.041	0.033
4,4'-DDE	0.596	0.089	ND	0.055	0.018	0.055	0.022	0.095	0.066	0.066	0.082
4,4'-DDT	0.0035	**0.171**	ND	**0.066**	**0.037**	**0.031**	ND	ND	**0.044**	**0.194**	**0.225**
alpha-Chlordane	0.224	ND	ND	0.022	ND	0.046	ND	ND	0.029	ND	ND
Dieldrin	0.0049	**0.018**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	0.014	ND	ND	0.041	ND	ND	0.028	0.013	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4423.04 B88 (6-12") 4/16/1999	4423.06 B89 (6-12") 4/16/1999	4423.08 B90 (6-12") 4/16/1999	4423.10 B91 (6-12") 4/16/1999	4434.02 B92 (6-12") 4/20/1999	4434.04 B93 (6-12") 4/20/1999	4434.06 B94 (6-12") 4/20/1999	4434.08 B95 (6-12") 4/20/1999	4434.10 B96 (6-12") 4/20/1999	4443.02 B97 (6-12") 4/26/1999
Metals (mg/kg)											
Aluminum	50	**8960**	**12700**	**11600**	**13100**	**11000**	**6590**	**8610**	**12000**	**10700**	**11300**
Antimony	0.27	**1.02**	**0.863**	**1.02**	**1.78**	**1.16**	**0.525**	**0.728**	**1.62**	**1.15**	**3.19**
Arsenic	9.9	8.91	**9.98**	7.36	**14.9**	**10.6**	9.64	9.41	9.77	7.74	9.27
Barium	283	43.8	49.4	53.3	34	75.4	44.8	39.2	104	44.2	41.3
Beryllium	10	1.23	1.12	0.843	1.08	0.983	1.19	1.35	1.07	0.835	0.83
Cadmium	0.36	0.286	0.353	**1.17**	ND	0.287	**0.639**	0.171	**0.772**	**156**	2.68
Calcium	NAV	1290	3940	7830	1940	5850	769	1550	14900	3110	3770
Chromium	0.4	**105**	**104**	**79.1**	**114**	**99.4**	**92.8**	**119**	**86.3**	**81.4**	**80.9**
Cobalt	13	1.65	1.83	3.7	1.84	2.42	1.69	2.34	3.06	2.48	2.53
Copper	28	9.7	20.2	25.4	15.4	**39.6**	7.38	9.85	**53.7**	**33.4**	**30.6**
Iron	NAV	26000	30800	27000	31200	29600	21500	28700	29800	24400	27600
Lead	11	**19.6**	**36.1**	**76.6**	**122**	**74.9**	**17.6**	**23.4**	**121**	**59.6**	**69.4**
Magnesium	NAV	3200	3590	4180	3810	3830	2350	3580	4170	2970	3130
Manganese	220	31.3	62.4	131	71.5	123	20.7	27.9	**362**	204	121
Mercury	0.00051	**0.034**	**0.034**	**0.034**	**0.034**	**0.332**	**0.108**	**0.135**	**0.458**	**0.259**	**0.146**
Nickel	30	7.71	8.31	15	7.75	16.6	7.3	9.14	14.4	9.31	8.83
Potassium	NAV	6130	7710	5300	7020	6700	5050	7410	6760	5560	5170
Selenium	0.21	**1.62**	**0.837**	**1.39**	**1.28**	**1.27**	**1.97**	**1.76**	**1.25**	ND	**1.19**
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	141	770	328	113	279	101	142	217	165	143
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**41**	**52.7**	**77.8**	**58.4**	**52**	**39.4**	**45.4**	**49.8**	**43.5**	**47.9**
Zinc	8.5	**91**	**99.9**	**150**	**84.9**	**294**	**63.4**	**81.1**	**273**	**131**	**164**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4443.04 B98 (6-12") 4/26/1999	4443.06 B99 (6-12") 4/26/1999	4443.08* B100 (6-12") 4/26/1999	4443.10 B101 (6-12") 4/26/1999	4446.02 B102 (6-12") 4/27/1999	4446.04 B103 (6-12") 4/27/1999	4446.06 B104 (6-12") 4/27/1999	4446.08 B105 (6-12") 4/27/1999	4446.10 B106 (6-12") 4/27/1999	4446.12 B107 (6-12") 4/27/1999
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	0.15 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]pyrene	1.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	59.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,I]perylene	119	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	148	ND	ND	ND	ND	ND	ND	ND	ND	0.12 J	ND
bis(2-Ethylhexyl)phthalate	0.925	ND	ND	ND	0.12JB	ND	0.14 J	0.23 J	ND	ND	ND
Chrysene	4.73	0.22 J	0.17 J	0.17 J	0.17 J	ND	ND	0.14 J	ND	0.17 J	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.33JB	0.14JB	0.17JB	ND	ND	0.31 J	0.3 J	0.24 J	0.18 J	0.37 J
Fluoranthene	122	0.18 J	0.13 J	0.12 J	0.16 J	ND	ND	ND	ND	ND	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	78.5	0.17 J	0.17 J	0.13 J	0.16 J	ND	ND	0.13 J	ND	ND	ND
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	0.026	0.088	0.186	ND	0.482	ND	0.021	0.299	**0.941**	ND
4,4'-DDE	0.596	0.067	0.044	0.119	0.03	0.028	0.014	0.027	0.295	0.257	ND
4,4'-DDT	0.0035	**0.076**	**0.047**	**0.073**	ND	ND	**0.031**	ND	**0.036**	**0.293**	ND
alpha-Chlordane	0.224	0.023	ND	ND	ND	0.017	ND	ND	ND	0.048	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	0.027	ND	ND	ND	0.025	ND	ND	ND	0.046	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4443.04 B98 (6-12") 4/26/1999	4443.06 B99 (6-12") 4/26/1999	4443.08* B100 (6-12") 4/26/1999	4443.10 B101 (6-12") 4/26/1999	4446.02 B102 (6-12") 4/27/1999	4446.04 B103 (6-12") 4/27/1999	4446.06 B104 (6-12") 4/27/1999	4446.08 B105 (6-12") 4/27/1999	4446.10 B106 (6-12") 4/27/1999	4446.12 B107 (6-12") 4/27/1999
Metals (mg/kg)											
Aluminum	50	**7130**	**12700**	**7660**	**10800**	**14100**	**14200**	**14800**	**15200**	**13100**	**8810**
Antimony	0.27	**1.34**	**0.731**	**0.665**	**1.06**	**0.495**	**0.665**	**1.16**	**0.692**	**0.781**	**0.903**
Arsenic	9.9	7.03	**11.3**	7.18	7.9	9.09	**13.6**	**13**	**10.5**	**11.9**	7.07
Barium	283	47.7	31.1	27.9	50.1	86.4	46.6	39	35	18.3	34.7
Beryllium	10	0.651	1.67	0.959	0.757	1.21	1.65	1.43	1.15	1.28	0.708
Cadmium	0.36	**0.71**	**0.384**	ND	0.177	**0.687**	ND	ND	ND	ND	ND
Calcium	NAV	5210	1060	576	8560	3540	1750	1790	1180	695	4140
Chromium	0.4	**59.9**	**188**	**108**	**70.9**	**110**	**166**	**91.6**	**96.2**	**147**	**59.7**
Cobalt	13	2.15	0.852	0.742	2.45	3.15	1.85	2.49	2.56	0.955	2.97
Copper	28	27.2	8.96	6.09	26	20.8	15.8	16.3	9.13	9.69	**35.9**
Iron	NAV	19200	42600	27700	24400	24100	47000	40700	35100	36700	23400
Lead	11	**147**	**14.9**	9.58	**57.6**	**77.2**	**21.9**	**69.9**	**49.7**	**22.7**	**52.5**
Magnesium	NAV	2520	5910	3170	4290	3090	5810	2640	3480	3950	3060
Manganese	220	195	26.6	14.7	**267**	95.9	68.2	84.6	37.4	21.8	83.9
Mercury	0.00051	**0.177**	**0.092**	**0.041**	**0.228**	**0.119**	**0.052**	**8.091**	**5.465**	**0.315**	**0.071**
Nickel	30	7.52	5.04	3.41	9.28	11.2	9.29	9.15	8.63	5.9	12.2
Potassium	NAV	4280	13700	7170	5130	6480	12600	4900	8100	8980	4270
Selenium	0.21	ND	**1.1**	**1.16**	**1.05**	**1.35**	**0.936**	**0.763**	ND	**1.05**	**0.704**
Silver	2	ND	ND	ND	ND	ND	ND	ND	**5.08**	ND	ND
Sodium	NAV	197	118	104	227	432	124	142	142	125	146
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**32.7**	**64.8**	**41**	**43.4**	**54.6**	**77.6**	**74.8**	**61.6**	**57.8**	**45.7**
Zinc	8.5	**208**	**70.9**	**51.4**	**130**	**101**	**95.9**	**99.6**	**117**	**58.6**	**105**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4462.02 B108 (6-12") 5/4/1999	4462.04 B109 (6-12") 5/4/1999	4462.06 B110 (6-12") 5/4/1999	4462.08 B111 (6-12") 5/4/1999	4462.10 B112 (6-12") 5/4/1999	4466.02 B113 (6-12") 5/6/1999	4466.04 B114 (6-12") 5/6/1999	4466.06 B115 (6-12") 5/6/1999	4466.08 B116 (6-12") 5/6/1999	4466.10 B117 (6-12") 5/6/1999
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	ND	ND	ND	ND	ND	ND	ND	0.18 J	ND
Benzo[a]pyrene	1.52	ND	ND	ND	ND	ND	ND	ND	ND	0.17 J	ND
Benzo[b]fluoranthene	59.8	ND	ND	ND	ND	ND	ND	ND	ND	0.14 J	ND
Benzo[g,h,I]perylene	119	ND	ND	ND	ND	ND	ND	ND	ND	0.15 J	ND
Benzo[k]fluoranthene	148	ND	ND	ND	ND	ND	ND	ND	ND	0.14 J	ND
bis(2-Ethylhexyl)phthalate	0.925	0.22 J	0.13 J	0.18 J	0.17 J	0.13 J	0.12 J	ND	0.19 J	0.14 J	0.18 J
Chrysene	4.73	ND	0.15 J	ND	0.12 J	0.2 J	0.22 J	0.14 J	ND	0.3 J	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.4 J	0.61 J	0.3 J	0.65 J	ND	0.35JB	0.34JB	0.54JB	0.54JB	0.13JB
Fluoranthene	122	ND	0.14 J	ND	ND	ND	0.18 J	0.12 J	0.17 J	0.27 J	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	ND	ND	ND	ND	ND	0.14 J	0.26 J	ND
Pyrene	78.5	ND	0.16 J	ND	ND	0.13 J	0.19 J	0.15 J	0.15 J	0.36 J	ND
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	ND	ND	ND	0.029	0.156	0.02	0.027	ND	ND	ND
4,4'-DDE	0.596	ND	0.011	ND	0.02	0.173	0.079	0.044	0.013	ND	ND
4,4'-DDT	0.0035	ND	ND	ND	ND	**0.121**	**0.121**	**0.028**	**0.034**	ND	ND
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	0.014	0.017	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	0.014	0.024	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4462.02 B108 (6-12") 5/4/1999	4462.04 B109 (6-12") 5/4/1999	4462.06 B110 (6-12") 5/4/1999	4462.08 B111 (6-12") 5/4/1999	4462.10 B112 (6-12") 5/4/1999	4466.02 B113 (6-12") 5/6/1999	4466.04 B114 (6-12") 5/6/1999	4466.06 B115 (6-12") 5/6/1999	4466.08 B116 (6-12") 5/6/1999	4466.10 B117 (6-12") 5/6/1999
Metals (mg/kg)											
Aluminum	50	**13500**	**17600**	**5290**	**11700**	**8390**	**8310**	**9570**	**11500**	**5010**	**16200**
Antimony	0.27	**0.939**	**0.952**	**0.954**	**0.765**	**2.1**	**1.11**	**1.24**	**0.72**	**1.28**	**0.789**
Arsenic	9.9	**11.9**	**12.4**	4.43	7.79	**23.7**	8.96	8.85	**10.7**	4.37	**17.1**
Barium	283	41.9	31.8	16.4	21	200	28.4	26.3	32.6	11.5	42.5
Beryllium	10	1.34	1.42	0.377	0.892	0.99	0.702	0.754	0.762	0.327	1.38
Cadmium	0.36	ND	ND	**8.11**	ND	**0.569**	ND	**4.3**	ND	ND	ND
Calcium	NAV	356	1200	5850	1420	2730	1350	1790	3650	852	2850
Chromium	0.4	**124**	**148**	**41.8**	**79.8**	**80.6**	**64.9**	**64.1**	**79.7**	**58.3**	**143**
Cobalt	13	1.36	1.72	1.62	1.89	2.56	1.72	2.74	2.32	1.15	2.46
Copper	28	6.28	8.48	14.5	7.48	**79.9**	19.5	26.6	15.1	15.2	**29**
Iron	NAV	38700	40400	13500	26800	24900	18800	26000	25600	14000	40600
Lead	11	10.5	**17**	**40.5**	**16.4**	**107**	**48.1**	**37.9**	**30.4**	**16.1**	**42.1**
Magnesium	NAV	3650	4590	1400	2290	2180	1680	2140	2190	799	4660
Manganese	220	32.5	53.6	60	48.7	**551**	49.9	69.7	212	41.4	153
Mercury	0.00051	**0.046**	**0.04**	**0.045**	**0.031**	**0.267**	**0.153**	**0.073**	**0.071**	ND	**0.08**
Nickel	30	6.48	7.49	5.26	9.73	8.21	6.4	7.32	7.96	3.01	**69.4**
Potassium	NAV	10200	11800	2420	5630	5900	4080	4490	4130	1880	11300
Selenium	0.21	**1.03**	**1.04**	ND	ND	**1.66**	**1.07**	**0.781**	**0.808**	ND	**0.897**
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	112	104	105	97.1	147	89.1	178	201	218	215
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**53.2**	**67.5**	**24.7**	**77.5**	**31.4**	**33.4**	**44.9**	**43.3**	**43.1**	**59.8**
Zinc	8.5	**56**	**89.8**	**47.7**	**47.6**	**606**	**95.5**	**83.9**	**87.2**	**52.4**	**102**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4466.12 B118 (6-12") 5/6/1999	4468.02 B119 (6-12") 5/7/1999	4468.04 B120 (6-12") 5/7/1999	4468.06 B121 (6-12") 5/7/1999	4468.08 B122 (6-12") 5/7/1999	4468.10 B123 (6-12") 5/7/1999	4468.12 B124 (6-12") 5/7/1999	4468.14 B125 (6-12") 5/7/1999	4468.16 B126 (6-12") 5/7/1999	4468.18 B127 (6-12") 5/7/1999
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	0.16 J	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	ND	ND	ND	ND	ND	0.23 J	ND	ND	ND
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	ND	ND	0.14 J	ND	ND	0.72 J	0.15 J	ND	ND
Benzo[a]pyrene	1.52	ND	ND	ND	0.11 J	ND	ND	0.54 J	0.16 J	ND	ND
Benzo[b]fluoranthene	59.8	ND	ND	ND	ND	ND	ND	0.44 J	0.14 J	ND	ND
Benzo[g,h,I]perylene	119	ND	ND	ND	ND	ND	ND	0.44 J	ND	ND	ND
Benzo[k]fluoranthene	148	ND	ND	ND	ND	ND	ND	0.44 J	0.13 J	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	0.12 J	0.32 J	ND	0.12 J	ND	ND	ND	0.39 J	ND	ND
Chrysene	4.73	ND	ND	0.18 J	0.24 J	ND	ND	1.1 J	0.25 J	ND	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.7JB	0.87JB	0.22JB	0.67JB	0.17JB	0.25JB	ND	ND	0.29JB	0.56JB
Fluoranthene	122	ND	0.13 J	0.15 J	0.25 J	ND	ND	1.6	0.2 J	ND	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	ND	ND	ND	0.34 J	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	ND	0.2 J	ND	ND	1.3	ND	ND	ND
Pyrene	78.5	ND	0.14 J	0.21 J	0.24 J	ND	ND	1.8	0.27 J	ND	ND
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	ND	0.172	0.022	0.014	ND	ND	ND	0.022	ND	0.017
4,4'-DDE	0.596	ND	0.34	0.019	0.023	ND	0.013	0.012	0.026	ND	0.013
4,4'-DDT	0.0035	ND	**1.836**	**0.124**	**0.057**	ND	ND	ND	ND	ND	**0.038**
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	0.012	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	**1.764**	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4466.12 B118 (6-12") 5/6/1999	4468.02 B119 (6-12") 5/7/1999	4468.04 B120 (6-12") 5/7/1999	4468.06 B121 (6-12") 5/7/1999	4468.08 B122 (6-12") 5/7/1999	4468.10 B123 (6-12") 5/7/1999	4468.12 B124 (6-12") 5/7/1999	4468.14 B125 (6-12") 5/7/1999	4468.16 B126 (6-12") 5/7/1999	4468.18 B127 (6-12") 5/7/1999
Metals (mg/kg)											
Aluminum	50	**10100**	**18400**	**13200**	**17700**	**12000**	**17200**	**18600**	**12800**	**5780**	**12600**
Antimony	0.27	**0.538**	**1.25**	**0.913**	**0.942**	**0.57**	**1.12**	**0.932**	**1.1**	**1.02**	**1.1**
Arsenic	9.9	5.19	**17.7**	**15.5**	**12.4**	**10.1**	**13.2**	**15.6**	**10.4**	4.47	**21.2**
Barium	283	21.7	19.7	29.8	37.4	20.4	38.7	49.9	37.6	9.7	19.2
Beryllium	10	0.383	1.52	1.19	1.13	1.18	1.32	1.68	0.949	0.29	1.01
Cadmium	0.36	**0.802**	ND	ND	ND	ND	ND	**0.885**	ND	ND	ND
Calcium	NAV	275	868	1640	1170	705	3480	2810	2710	111	1260
Chromium	0.4	**44**	**135**	**128**	**111**	**99**	**157**	**136**	**97.5**	**30.9**	**103**
Cobalt	13	1.39	2.02	1.38	2.39	1.86	2.88	3.64	2.84	1.08	1.3
Copper	28	7.12	12.9	21.8	20	9.03	25.5	21.4	22.9	4.32	12.1
Iron	NAV	15400	45400	33200	33300	34500	40400	48900	30700	13100	29000
Lead	11	8.74	**30.4**	**30.1**	**32**	9.95	**36.5**	**43.3**	**47.6**	5.27	**18.7**
Magnesium	NAV	899	4540	3770	3310	3180	4520	4670	3320	575	2430
Manganese	220	54.7	52.9	57	51.8	37.5	**298**	147	175	35.3	56.1
Mercury	0.00051	**0.035**	**0.043**	**0.063**	**0.269**	**0.04**	**0.054**	**0.099**	**0.101**	**0.066**	**0.153**
Nickel	30	4.46	8.97	6.78	7.78	6.58	9.28	11.2	17	3.53	6.12
Potassium	NAV	2320	11600	9600	8270	9010	10100	12700	7370	1450	5980
Selenium	0.21	ND	**1.34**	**0.817**	**0.913**	ND	**1.08**	**1.02**	**0.902**	**0.711**	**2.28**
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	58.2	132	247	203	131	222	199	222	94.4	111
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**35.6**	**63.1**	**51.1**	**65.2**	**50.7**	**65.6**	**63.1**	**49.9**	**26.5**	**40**
Zinc	8.5	**35.2**	**70.5**	**71.7**	**62.3**	**54.1**	**95.6**	**125**	**125**	**29.6**	**72**

See Notes at End of Table

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Soil Sampling Analytical Results
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4472.02 B128 (6-12") 5/10/1999	4472.04 B129 (6-12") 5/10/1999	4472.06 B130 (6-12") 5/10/1999	4472.08 B131 (6-12") 5/10/1999	4472.10 B132 (6-12") 5/10/1999	4472.12 B133 (6-12") 5/10/1999	4472.14 B134 (6-12") 5/10/1999	4472.16 B135 (6-12") 5/10/1999	4472.18 B136 (6-12") 5/10/1999	4472.20 B137 (6-12") 5/10/1999
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	0.16 J	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	0.58 J	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	ND	ND	0.75 J	0.21 J	ND	ND	ND	ND	ND
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	0.18 J	0.19 J	0.17 J	1.6	0.84 J	ND	ND	ND	ND	0.18 J
Benzo[a]pyrene	1.52	0.19 J	0.19 J	0.21 J	**1.6**	0.77 J	ND	ND	ND	ND	0.17 J
Benzo[b]fluoranthene	59.8	0.17 J	0.18 J	0.18 J	1.3	0.68 J	ND	ND	0.12 J	ND	0.15 J
Benzo[g,h,I]perylene	119	0.14 J	ND	0.16 J	0.93 J	0.45 J	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	148	0.18 J	0.15 J	0.18 J	1.3	0.63 J	ND	ND	ND	ND	0.15 J
bis(2-Ethylhexyl)phthalate	0.925	0.26 J	0.27 J	0.15 J	0.12 J	0.16 J	ND	0.14 J	0.22 J	0.17 J	0.15 J
Chrysene	4.73	0.41 J	0.37 J	0.33 J	2.8	1.4	ND	ND	0.29 J	ND	0.34 J
Dibenz[a,h]anthracene	18.4	ND	ND	ND	0.29 J	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	0.31 J	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	0.11 J	ND	0.17 J	ND	ND
Di-n-butylphthalate	200	0.67JB	0.61JB	0.19JB	0.81JB	0.48JB	0.16JB	0.55JB	0.45JB	0.88JB	0.93JB
Fluoranthene	122	0.35 J	0.3 J	0.26 J	4.2	1.9	ND	ND	0.23 J	ND	0.34 J
Fluorene	122	ND	ND	ND	0.5 J	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	0.13 J	ND	0.15 J	0.9 J	0.44 J	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	**0.4 J**	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	0.21 J	0.18 J	0.16 J	4.0	0.71 J	ND	ND	ND	ND	0.21 J
Pyrene	78.5	0.38 J	0.32 J	0.29 J	3.4	1.5	ND	ND	0.2 J	ND	0.29 J
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	0.025	0.059	0.019	ND	ND	ND	ND	0.044	0.08	0.033
4,4'-DDE	0.596	0.021	0.035	0.014	0.01	0.018	ND	ND	0.029	0.021	0.018
4,4'-DDT	0.0035	ND	**0.04**	ND	ND	ND	ND	ND	**0.032**	ND	ND
alpha-Chlordane	0.224	ND	0.013	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	**0.029**	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See Notes at End of Table

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4472.02 B128 (6-12") 5/10/1999	4472.04 B129 (6-12") 5/10/1999	4472.06 B130 (6-12") 5/10/1999	4472.08 B131 (6-12") 5/10/1999	4472.10 B132 (6-12") 5/10/1999	4472.12 B133 (6-12") 5/10/1999	4472.14 B134 (6-12") 5/10/1999	4472.16 B135 (6-12") 5/10/1999	4472.18 B136 (6-12") 5/10/1999	4472.20 B137 (6-12") 5/10/1999
Metals (mg/kg)											
Aluminum	50	**11000**	**10500**	**12100**	**17300**	**12500**	**5940**	**8930**	**12500**	**7700**	**9250**
Antimony	0.27	**1.43**	**0.861**	**1.1**	**1.16**	**0.712**	ND	ND	**1.19**	**0.903**	**0.971**
Arsenic	9.9	**10.3**	8.7	**19.4**	**15.1**	**11**	4.56	4.2	**16.2**	**14.9**	6.79
Barium	283	33.8	35.3	42.5	54.3	32.4	24	16.8	29.6	83.4	27.2
Beryllium	10	0.907	0.816	1.15	1.82	1.28	0.331	0.359	1.06	1.12	0.697
Cadmium	0.36	**1.34**	**0.595**	**0.699**	**0.697**	**0.563**	0.246	0.217	**1.21**	**0.413**	**0.681**
Calcium	NAV	2530	1930	5190	800	2610	353	180	1910	2110	1710
Chromium	0.4	**170**	**81.4**	**175**	**235**	**104**	**37.3**	**37.6**	**115**	**113**	**63.8**
Cobalt	13	2.46	2.29	2.13	1.04	2.63	1.52	1.46	1.72	1.24	2.08
Copper	28	20.5	19.9	24.3	11.8	11	10.8	4.3	**28.8**	11	11.9
Iron	NAV	28500	25500	44500	56500	39300	14400	15100	33100	32000	23400
Lead	11	**41.9**	**72.7**	**29.8**	**11.2**	**28.4**	10.5	5.79	**36.9**	**13.4**	**40.4**
Magnesium	NAV	3590	2800	4380	7390	4170	899	993	3750	3950	2400
Manganese	220	164	66	**503**	31	87.8	65.2	38.6	66.2	50.5	62.6
Mercury	0.00051	**0.619**	**1.571**	**0.585**	**0.292**	**0.244**	**0.161**	**0.241**	**0.627**	**0.202**	**0.19**
Nickel	30	9.27	7.78	7.67	7.75	9.48	3.71	4.0	8.01	5.68	7.74
Potassium	NAV	6860	5660	8260	16900	9620	1930	2330	7480	9840	5040
Selenium	0.21	**1.27**	**1.36**	**2.7**	**3.06**	**1.02**	**0.808**	ND	**1.74**	**3.15**	**1.15**
Silver	2	ND	ND	ND	ND	ND	ND	ND	1.58	ND	ND
Sodium	NAV	141	158	928	869	367	419	78.6	888	159	162
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**48.3**	**50**	**52.6**	**71.9**	**53.6**	**32.9**	**32.7**	**59.5**	**31**	**52.1**
Zinc	8.5	**83.7**	**87.4**	**90.3**	**81**	**66.4**	**51.7**	**18.4**	**78.3**	**109**	**63.7**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4472.22 B138 (6-12") 5/10/1999	4472.24 B139 (6-12") 5/10/1999	4472.26 B140 (6-12") 5/10/1999	4472.28 B141 (6-12") 5/10/1999	4472.30 B142 (6-12") 5/10/1999	4475.02 B142A (6-12") 5/11/1999	4475.04 B143 (6-12") 5/11/1999	4475.06 B144 (6-12") 5/11/1999	4475.08 B145 (6-12") 5/11/1999	4475.10 B146 (6-12") 5/11/1999
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	ND	ND	ND	ND	ND	ND	3.4	ND	ND
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	0.24 J	ND	0.13 J	ND	ND	ND	0.19 J	0.2 J	0.11 J
Benzo[a]pyrene	1.52	ND	0.27 J	ND	0.15 J	ND	ND	ND	0.21 J	0.21 J	0.11 J
Benzo[b]fluoranthene	59.8	ND	0.26 J	ND	0.13 J	ND	ND	ND	0.28 J	0.28 J	0.11 J
Benzo[g,h,I]perylene	119	ND	0.17 J	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	148	ND	0.23 J	ND	0.12 J	ND	ND	ND	0.27 J	0.2 J	ND
bis(2-Ethylhexyl)phthalate	0.925	ND	0.13 J	0.21 J	0.33 J	ND	ND	ND	ND	0.16 J	ND
Chrysene	4.73	ND	0.46 J	0.18 J	0.28 J	ND	ND	ND	1.1 J	0.53 J	0.21 J
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	0.18 J	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.23JB	0.41JB	0.23JB	0.81JB	0.15JB	0.24JB	0.41JB	0.25JB	0.96JB	0.22JB
Fluoranthene	122	ND	0.34 J	0.16 J	0.24 J	ND	ND	ND	0.3 J	0.26 J	0.18 J
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	0.18 J	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	0.11 J	0.11 J	ND	ND	ND	0.15 J	ND	ND
Pyrene	78.5	ND	0.33 J	0.15 J	0.25 J	ND	ND	ND	0.25 J	0.26 J	0.17 J
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	0.21	0.033	ND	0.101	ND	**1.75**	0.022	0.058	0.055	0.041
4,4'-DDE	0.596	0.056	0.019	0.01	0.061	ND	**3.705**	0.018	0.044	0.06	0.052
4,4'-DDT	0.0035	ND	**0.028**	ND	**0.083**	ND	**6.811**	ND	**0.881**	ND	ND
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.028
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	0.019	ND	ND	ND	ND	ND	ND	ND	ND	0.019
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4472.22 B138 (6-12") 5/10/1999	4472.24 B139 (6-12") 5/10/1999	4472.26 B140 (6-12") 5/10/1999	4472.28 B141 (6-12") 5/10/1999	4472.30 B142 (6-12") 5/10/1999	4475.02 B142A (6-12") 5/11/1999	4475.04 B143 (6-12") 5/11/1999	4475.06 B144 (6-12") 5/11/1999	4475.08 B145 (6-12") 5/11/1999	4475.10 B146 (6-12") 5/11/1999
Metals (mg/kg)											
Aluminum	50	**6700**	**12000**	**4170**	**7960**	**5100**	**6510**	**10700**	**6430**	**5810**	**12100**
Antimony	0.27	**3.4**	**0.868**	ND	**0.681**	ND	**0.939**	**1.3**	**0.881**	**1.51**	**0.818**
Arsenic	9.9	6.9	**13.7**	5.02	7.29	3.81	7.77	**11.5**	**15.1**	6.54	8.66
Barium	283	38.8	40.1	17.5	44.6	8.96	13.2	46.5	68.4	33.6	39.5
Beryllium	10	0.564	1.12	0.399	0.66	0.281	0.751	1.18	1.02	0.593	1.22
Cadmium	0.36	0.328	**0.573**	**0.382**	**0.406**	0.252	**0.369**	**0.616**	**0.723**	**1.03**	**0.675**
Calcium	NAV	1710	1820	6300	1410	117	384	1380	2580	3760	1590
Chromium	0.4	**41.9**	**99.7**	**41.7**	**62.3**	**32.1**	**54.7**	**107**	**81.8**	**49.8**	**113**
Cobalt	13	4.96	2.61	1.71	2.17	1.32	1.31	1.43	1.55	2.17	1.84
Copper	28	**51.8**	11.2	14.7	11.8	3.93	9.12	**43.2**	9.73	22.6	23.1
Iron	NAV	20300	35900	14600	18800	13600	18200	34700	25700	18000	35600
Lead	11	**37.4**	**18**	**30**	**29.2**	4.95	**38.6**	**39.1**	**21.2**	**48.8**	**22.6**
Magnesium	NAV	2160	4090	3700	2020	696	1060	3520	2760	1870	4190
Manganese	220	59.4	68.7	120	90.7	33.6	11.9	27.2	69.3	85	56.2
Mercury	0.00051	**0.522**	**0.282**	**0.207**	**0.213**	**0.161**	**0.605**	**5.836**	**0.731**	**0.461**	**0.366**
Nickel	30	8.55	8.1	5.56	6.06	3.28	6.5	6.33	6.8	8.21	6.74
Potassium	NAV	3070	9380	2790	4070	1480	2160	7830	6910	3720	9750
Selenium	0.21	ND	**1.57**	**0.708**	**1.01**	ND	**1.44**	**1.75**	**1.98**	**1.38**	**1.04**
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	197	150	334	245	110	96	133	164	446	180
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**31.2**	**51.6**	**22.6**	**36.3**	**28.6**	**51.5**	**48.9**	**25.3**	**32**	**54.7**
Zinc	8.5	**122**	**94.6**	**56.5**	**54.9**	**15.6**	**52.4**	**55.2**	**67.6**	**117**	**107**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4475.12 B147 (6-12") 5/11/1999	4475.14 B148 (6-12") 5/11/1999	4475.16 B149 (6-12") 5/11/1999	4475.18 B150 (6-12") 5/11/1999	4475.20 B151 (6-12") 5/11/1999	4475.22 B152 (6-12") 5/11/1999	4475.24 B153 (6-12") 5/11/1999	4475.26 B154 (6-12") 5/11/1999	4475.28 B155 (6-12") 5/11/1999	4475.30 B156 (6-12") 5/11/1999
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	0.26 J	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	ND	ND	ND	0.17 J	0.99	ND	ND	ND	ND
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	ND	ND	0.13 J	0.36 J	2.4	ND	0.13 J	ND	ND
Benzo[a]pyrene	1.52	ND	ND	ND	0.13 J	0.33 J	**1.9**	ND	0.14 J	ND	ND
Benzo[b]fluoranthene	59.8	ND	ND	ND	0.14 J	0.32 J	1.9	ND	0.17 J	ND	ND
Benzo[g,h,I]perylene	119	ND	ND	ND	ND	ND	1.0	ND	ND	ND	ND
Benzo[k]fluoranthene	148	ND	ND	ND	0.11 J	0.31 J	1.3	ND	0.12 J	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	ND	ND	ND	ND	0.18 J	ND	ND	0.35 J	ND	ND
Chrysene	4.73	0.17 J	ND	ND	0.26 J	0.62 J	3.7	ND	0.28 J	ND	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	0.28 J	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	0.14 J	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.67JB	0.58JB	0.52JB	0.82JB	0.83JB	0.65JB	0.9JB	0.76JB	0.64JB	ND
Fluoranthene	122	0.12 J	ND	ND	0.2 J	0.84 J	6.2	0.18 J	0.27 J	0.12 J	ND
Fluorene	122	ND	ND	ND	ND	ND	0.31 J	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	ND	0.18 J	1.1	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	ND	ND	0.65 J	4.1	ND	0.17 J	ND	ND
Pyrene	78.5	0.13 J	ND	ND	0.18 J	0.61 J	4.4	0.16 J	0.29 J	0.13 J	ND
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	0.021	ND	ND	0.135	0.045	0.087	0.153	0.13	0.076	**1.163**
4,4'-DDE	0.596	0.018	ND	ND	0.074	0.039	0.049	0.112	0.047	ND	0.336
4,4'-DDT	0.0035	**0.264**	ND	ND	**0.141**	**0.033**	**0.029**	**0.044**	**0.033**	ND	**1.163**
alpha-Chlordane	0.224	ND	ND	ND	ND	0.013	0.018	0.017	0.016	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.068**
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	0.016	0.025	0.027	0.017	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.371	ND	ND	ND	ND	ND	ND	ND	ND	**1.672**	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4475.12 B147 (6-12") 5/11/1999	4475.14 B148 (6-12") 5/11/1999	4475.16 B149 (6-12") 5/11/1999	4475.18 B150 (6-12") 5/11/1999	4475.20 B151 (6-12") 5/11/1999	4475.22 B152 (6-12") 5/11/1999	4475.24 B153 (6-12") 5/11/1999	4475.26 B154 (6-12") 5/11/1999	4475.28 B155 (6-12") 5/11/1999	4475.30 B156 (6-12") 5/11/1999
Metals (mg/kg)											
Aluminum	50	**9420**	**5030**	**7100**	**12400**	**9880**	**9750**	**14200**	**6460**	**10200**	**15000**
Antimony	0.27	**0.752**	**0.681**	**3.21**	**1.13**	**0.99**	**0.875**	**2.03**	**0.851**	**2.57**	**0.863**
Arsenic	9.9	6.38	4.28	**27.4**	9.48	7.41	6.16	**14.3**	6.04	**67.1**	**15.1**
Barium	283	30.4	19.2	**453**	51.7	78.4	35.7	81.2	26.5	**501**	20.8
Beryllium	10	0.90	0.291	0.769	1.23	0.641	0.671	1.48	0.587	1.34	2.00
Cadmium	0.36	**0.492**	**0.735**	**2.53**	**0.724**	**1.15**	**0.544**	**1.00**	**0.882**	**1.29**	**1.52**
Calcium	NAV	874	317	4200	769	1940	1920	3310	1980	3390	501
Chromium	0.4	**84.8**	**32.3**	**67.6**	**135**	**65.5**	**71.5**	**153**	**53.1**	**81.9**	**153**
Cobalt	13	1.42	1.1	3.28	1.58	1.94	2.85	3.1	1.83	4.46	2.88
Copper	28	5.32	6.29	**266**	13.1	14.8	**31.8**	**32.3**	14.8	**87.8**	5.62
Iron	NAV	25600	13400	20300	37500	19500	21700	42500	18800	32800	57100
Lead	11	**20.3**	7.38	**189**	**26.5**	**61**	**50.7**	**190**	**30.8**	**88.2**	**11.2**
Magnesium	NAV	3030	766	1900	3660	2450	2600	5730	2370	3760	6300
Manganese	220	31.9	50.1	**4680**	16.2	82.6	186	177	62.4	**1080**	44.2
Mercury	0.00051	**0.345**	**0.249**	**1.686**	**0.538**	**1.396**	**0.398**	**0.371**	**0.80**	**0.756**	**0.46**
Nickel	30	5.12	3.03	7.94	7.28	6.14	7.49	9.65	6.3	11.4	10.4
Potassium	NAV	7180	1660	2240	8250	3750	3700	12400	4200	5070	16900
Selenium	0.21	**1.06**	**1.05**	**1.82**	**1.5**	**0.928**	**1.32**	**1.67**	**0.698**	**1.9**	**2.06**
Silver	2	ND	ND	0.63	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	156	393	122	116	218	183	381	692	447	115
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**43.5**	**28.9**	**28.1**	**84.4**	**38**	**41.5**	**52.4**	**30.5**	**42.7**	**39.4**
Zinc	8.5	**38.1**	**25**	**4510**	**57.2**	**68.5**	**88**	**217**	**68.7**	**532**	**72.9**

See Notes at End of Table

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Soil Sampling Analytical Results
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4475.32 B157 (6-12") 5/11/1999	4485.02 B158 (6-12") 5/14/1999	4485.04 B159 (6-12") 5/14/1999	4485.06 B160 (6-12") 5/14/1999	4485.08 B161 (6-12") 5/14/1999	4485.10 B162 (6-12") 5/14/1999	4485.12 B163 (6-12") 5/14/1999	4485.14 B164 (6-12") 5/14/1999	4485.16 B165 (6-12") 5/14/1999	4485.18 B166 (6-12") 5/14/1999
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	0.31 J	ND	ND	ND	ND	ND	ND	ND	ND
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	0.98	0.33 J	0.19 J	0.37 J	0.2 J	ND	0.19 J	ND	0.18 J
Benzo[a]pyrene	1.52	0.099 J	0.84	0.31 J	0.17 J	0.55 J	0.2 J	ND	0.19 J	ND	ND
Benzo[b]fluoranthene	59.8	ND	0.85 J	0.31 J	0.16 J	0.49 J	0.2 J	ND	0.19 J	ND	0.2 J
Benzo[g,h,I]perylene	119	ND	0.46 J	ND	ND	0.29 J	ND	ND	0.15 J	ND	ND
Benzo[k]fluoranthene	148	ND	0.63 J	0.24 J	0.13 J	0.4 J	0.16 J	ND	0.16 J	ND	0.17 J
bis(2-Ethylhexyl)phthalate	0.925	ND	0.2 J	0.13 J	0.12 J	0.12 J	0.15 J	0.15 J	0.12 J	ND	0.19 J
Chrysene	4.73	0.17 J	1.4	0.55 J	0.32 J	0.78 J	0.36 J	ND	0.39 J	ND	0.33 J
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	1.0 B	0.21 JB	0.15JB	0.45JB	0.56JB	0.59JB	0.81JB	0.6JB	0.58JB	0.68JB
Fluoranthene	122	0.15 J	2.6	0.67 J	0.39 J	0.62 J	0.4 J	ND	0.25 J	ND	0.34 J
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	0.5 J	ND	ND	0.29 J	ND	ND	0.13 J	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	1.2 J	0.28 J	0.21 J	0.39 J	0.25 J	ND	ND	ND	0.13 J
Pyrene	78.5	0.13 J	1.8 J	0.51 J	0.34 J	0.58 J	0.42 J	ND	0.26 J	ND	0.3 J
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	0.675	0.027	0.029	0.028	0.047	0.043	0.015	0.048	0.105	0.037
4,4'-DDE	0.596	0.257	0.086	0.051	0.023	0.032	ND	ND	0.042	ND	0.079
4,4'-DDT	0.0035	**0.741**	**0.085**	ND	ND	ND	ND	ND	**0.037**	**0.056**	**0.036**
alpha-Chlordane	0.224	ND	0.017	0.015	0.011	0.013	ND	ND	ND	ND	0.017
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.028**
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	0.015	0.013	0.015	0.015	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	0.371	ND	ND	ND	ND	ND	ND	ND	ND	**3.082**	ND
Aroclor 1254	0.371	ND	ND	ND	ND	ND	**1.929**	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Soil Sampling Analytical Results
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4475.32 B157 (6-12") 5/11/1999	4485.02 B158 (6-12") 5/14/1999	4485.04 B159 (6-12") 5/14/1999	4485.06 B160 (6-12") 5/14/1999	4485.08 B161 (6-12") 5/14/1999	4485.10 B162 (6-12") 5/14/1999	4485.12 B163 (6-12") 5/14/1999	4485.14 B164 (6-12") 5/14/1999	4485.16 B165 (6-12") 5/14/1999	4485.18 B166 (6-12") 5/14/1999
Metals (mg/kg)											
Aluminum	50	**12100**	**8310**	**6430**	**4760**	**5590**	**9010**	**12000**	**14000**	**9650**	**11800**
Antimony	0.27	**1.54**	ND	ND	ND	**0.612**	**1.06**	**0.553**	**1.17**	**8.45**	**1.57**
Arsenic	9.9	9.62	9.26	6.63	4.64	4.64	6.92	**10.6**	**11.2**	9.32	**13.9**
Barium	283	33.6	56.5	38.8	23.3	49.5	31.3	39.4	51.5	39.1	57
Beryllium	10	1.18	0.758	0.663	0.343	0.368	0.696	0.918	1.22	1.01	1.12
Cadmium	0.36	**0.472**	**0.831**	**0.477**	0.352	**0.465**	**0.666**	**0.478**	**0.922**	**1.24**	**1.11**
Calcium	NAV	1050	4000	3630	1120	1170	1650	1610	908	1440	3300
Chromium	0.4	**90.8**	**69.2**	**46.2**	**26.9**	**27.6**	**68**	**63.4**	**122**	**87.5**	**120**
Cobalt	13	2.86	2.87	3.61	1.65	1.54	2.4	3.31	2.12	5.22	3.41
Copper	28	**41.7**	26.6	**40.4**	16.6	17.2	**70.2**	6.94	**49.6**	**90**	26.3
Iron	NAV	31600	21700	16400	11800	11500	22700	28500	33500	27500	29200
Lead	11	**39**	**81.8**	**93.5**	**37.5**	**58.8**	**40.6**	**20.8**	**39.1**	**63.3**	**170**
Magnesium	NAV	3590	2350	1660	950	979	2260	2600	4090	2900	3420
Manganese	220	37	133	81.6	61	63.9	78.6	87.9	45.5	180	141
Mercury	0.00051	**1.214**	**0.059**	**0.147**	**0.16**	**0.193**	**0.255**	**0.285**	**4.75**	**3.85**	**1.2**
Nickel	30	9.45	11.4	14.8	4.98	5.23	7.37	9.39	8.24	9.52	13.7
Potassium	NAV	6990	4760	2670	1270	1350	4300	5840	9380	6530	7030
Selenium	0.21	**1.82**	**1.19**	**1.18**	**0.665**	**0.869**	**1.26**	**0.915**	**1.5**	**1.24**	**1.32**
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	1.11	**2.65**
Sodium	NAV	130	206	139	94.5	125	571	191	183	126	187
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**52.7**	**30.8**	**22.9**	**19.6**	**20.7**	**50**	**45.4**	**63.8**	**48.2**	**48.7**
Zinc	8.5	**63.3**	**161**	**202**	**61.6**	**114**	**182**	**90.1**	**175**	**444**	**129**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4485.20 B167 (6-12") 5/14/1999	4485.22 B168 (6-12") 5/14/1999	4485.24 B169 (6-12") 5/14/1999	4485.26 B170 (6-12") 5/14/1999	4491.02 B171 (6-12") 5/17/1999	4491.04 B172 (6-12") 5/17/1999	4491.06 B173 (6-12") 5/17/1999	4491.08 B174 (6-12") 5/17/1999	4491.10 B175 (6-12") 5/17/1999	4491.12 B176 (6-12") 5/17/1999
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	ND	ND	ND	ND	0.18 J	ND	ND	ND	0.14 J
Benzo[a]pyrene	1.52	ND	ND	ND	ND	ND	0.18 J	ND	ND	ND	ND
Benzo[b]fluoranthene	59.8	ND	ND	ND	ND	ND	0.18 J	ND	ND	ND	ND
Benzo[g,h,I]perylene	119	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	148	ND	ND	ND	ND	ND	0.13 J	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	ND	ND	0.11 J	ND	ND	0.54 J	ND	ND	ND	ND
Chrysene	4.73	ND	ND	ND	ND	ND	0.33 J	ND	ND	ND	0.26 J
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.35JB	0.3JB	0.7JB	ND	0.71JB	1.2 B	0.27JB	0.38JB	0.69JB	0.2JB
Fluoranthene	122	0.17 J	ND	ND	ND	ND	0.24 J	ND	ND	ND	0.27 J
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	ND	ND	ND	0.16 J	ND	ND	ND	0.16 J
Pyrene	78.5	0.17 J	ND	ND	ND	ND	0.29 J	ND	ND	ND	0.24 J
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	0.031	0.037	0.017	ND	0.048	0.077	0.02	ND	0.017	0.017
4,4'-DDE	0.596	0.019	0.018	ND	ND	0.047	0.04	0.015	0.018	0.013	0.014
4,4'-DDT	0.0035	ND	**0.285**	ND	ND	**0.038**	**0.025**	ND	ND	ND	ND
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.013
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4485.20 B167 (6-12") 5/14/1999	4485.22 B168 (6-12") 5/14/1999	4485.24 B169 (6-12") 5/14/1999	4485.26 B170 (6-12") 5/14/1999	4491.02 B171 (6-12") 5/17/1999	4491.04 B172 (6-12") 5/17/1999	4491.06 B173 (6-12") 5/17/1999	4491.08 B174 (6-12") 5/17/1999	4491.10 B175 (6-12") 5/17/1999	4491.12 B176 (6-12") 5/17/1999
Metals (mg/kg)											
Aluminum	50	**12000**	**12400**	**10100**	**7490**	**12200**	**12100**	**6100**	**8620**	**10600**	**8970**
Antimony	0.27	**0.82**	**0.579**	ND	ND	**2.04**	**1.61**	**0.884**	**1.02**	**0.51**	**1.05**
Arsenic	9.9	9.03	6.78	6.00	5.39	**31.4**	**11.8**	6.39	4.73	8.21	8.91
Barium	283	39.4	41.1	33.5	23.9	40	62.6	22.6	30.6	58.4	39.3
Beryllium	10	0.957	0.654	0.605	0.441	1.62	1.36	0.541	0.596	0.694	0.717
Cadmium	0.36	**0.568**	**0.411**	0.338	0.288	**2.17**	**2.71**	**1.35**	**0.866**	**0.995**	**1.12**
Calcium	NAV	1520	1390	1120	1190	743	2220	767	1090	1190	1790
Chromium	0.4	**64.5**	**44.8**	**38.9**	**34.5**	**121**	**121**	**42.9**	**50.6**	**37.6**	**59.9**
Cobalt	13	3.7	2.52	2.93	1.68	3.94	3.44	1.54	1.87	2.79	2.11
Copper	28	16.7	11.9	8.46	6.49	**114**	**53**	**93.1**	18.7	14.3	21
Iron	NAV	27100	19800	16800	13700	37900	33400	15700	16500	21000	22800
Lead	11	**28.2**	**51.5**	**26**	**13.3**	**116**	**52.5**	**24.9**	**46.5**	**126**	**68.8**
Magnesium	NAV	2560	1950	1560	1320	4090	4050	1410	1810	1550	2270
Manganese	220	87	114	68	39.1	57.1	98.2	66.1	49.2	163	81.3
Mercury	0.00051	**2.628**	**0.512**	**0.399**	**0.224**	**0.883**	**0.713**	**0.063**	ND	**0.144**	**0.089**
Nickel	30	8.92	6.55	5.92	4.33	8.64	14.3	4.1	5.42	8.02	10.4
Potassium	NAV	5720	3740	2950	2890	9360	9360	2560	3230	2080	4460
Selenium	0.21	**1.29**	ND	**0.984**	ND	**1.59**	**1.78**	**0.85**	**1.01**	**0.872**	**1.28**
Silver	2	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND
Sodium	NAV	128	205	172	139	109	249	89.7	126	121	151
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**44.7**	**38.5**	**29.6**	**23.3**	**61.6**	**60.1**	**29.8**	**35.4**	**42.2**	**40**
Zinc	8.5	**105**	**56.4**	**43.6**	**25.3**	**110**	**228**	**54.3**	**64**	**83.5**	**75.6**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4491.14 B177 (6-12") 5/17/1999	4491.16 B178 (6-12") 5/17/1999	4491.18 B179 (6-12") 5/17/1999	4491.20 B180 (6-12") 5/17/1999	4491.22 B181 (6-12") 5/17/1999	4491.24 B182 (6-12") 5/17/1999	4491.26 B183 (6-12") 5/17/1999	4491.28 B184 (6-12") 5/17/1999	4494.02 B185 (6-12") 5/18/1999	4494.04 B186 (6-12") 5/18/1999
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]pyrene	1.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	59.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,I]perylene	119	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	148	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	ND	0.12 J	ND	ND	ND	ND	0.13 J	ND	ND	ND
Chrysene	4.73	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	0.12JB	ND	ND	ND	ND
Di-n-butylphthalate	200	1.JB	1.2B	0.32JB	0.12JB	ND	0.23JB	0.15JB	0.12JB	0.2JB	0.14JB
Fluoranthene	122	ND	ND	ND	ND	ND	ND	0.13 J	ND	ND	0.14 J
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	78.5	ND	ND	0.11 J	ND	ND	ND	0.13 J	ND	ND	0.17 J
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	0.02	0.023	0.036	0.067	ND	ND	0.015	ND	ND	0.017
4,4'-DDE	0.596	0.017	0.056	0.055	0.152	0.024	0.034	0.027	0.082	ND	0.016
4,4'-DDT	0.0035	ND	**0.055**	**0.035**	**0.42**	ND	**0.04**	ND	**0.102**	ND	ND
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	**5.983**	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4491.14 B177 (6-12") 5/17/1999	4491.16 B178 (6-12") 5/17/1999	4491.18 B179 (6-12") 5/17/1999	4491.20 B180 (6-12") 5/17/1999	4491.22 B181 (6-12") 5/17/1999	4491.24 B182 (6-12") 5/17/1999	4491.26 B183 (6-12") 5/17/1999	4491.28 B184 (6-12") 5/17/1999	4494.02 B185 (6-12") 5/18/1999	4494.04 B186 (6-12") 5/18/1999
Metals (mg/kg)											
Aluminum	50	**10500**	**2330**	**2030**	**1290**	**1470**	**2070**	**1430**	**1620**	**1620**	**914**
Antimony	0.27	**1.53**	**1.39**	**0.967**	**0.827**	**0.793**	**0.583**	**0.916**	**0.402**	ND	**0.605**
Arsenic	9.9	7.03	5.95	5.21	7.52	3.35	9.57	4.12	5.91	3.67	8.39
Barium	283	36.1	31.8	16.2	18.1	13.6	8.78	22.7	17.5	11.4	42.7
Beryllium	10	0.793	0.243	0.525	0.218	0.147	0.171	0.192	0.194	0.228	0.209
Cadmium	0.36	**1.06**	**1.42**	**0.666**	**0.797**	**0.536**	**0.565**	**1.1**	**0.626**	**0.669**	**0.459**
Calcium	NAV	2040	1050	611	1500	742	357	1800	969	434	1180
Chromium	0.4	**69.4**	**16.1**	**17.3**	**9.21**	**9.27**	**13.7**	**6.03**	**11.4**	**11.7**	**94.3**
Cobalt	13	2.38	0.557	0.757	0.752	0.38	0.41	0.733	0.578	0.481	6.51
Copper	28	24.1	16.8	**33.2**	26.8	13	11	18.9	11.5	7.61	17.8
Iron	NAV	22000	6590	7080	5970	3710	8760	5690	5470	6370	7410
Lead	11	**61.7**	**12.7**	**22.9**	**21.1**	**12.6**	9.58	**62**	**56.3**	**22.6**	**18.7**
Magnesium	NAV	2460	191	165	136	139	96.4	198	212	84.2	2010
Manganese	220	85.4	46.9	19.3	30.5	17.8	15.3	36.3	39.6	9.83	64.8
Mercury	0.00051	**0.125**	ND	**1.9**	**0.805**	**1.11**	**0.361**	**0.545**	**0.965**	**1.32**	**1.69**
Nickel	30	7.65	6.38	2.14	2.79	1.35	1.2	2.91	1.57	1.96	**1760**
Potassium	NAV	4760	224	210	278	134	140	283	189	71.4	623
Selenium	0.21	**0.908**	ND	**0.816**	ND	ND	ND	ND	ND	ND	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	**11.1**	ND
Sodium	NAV	142	82.2	78.9	101	73.6	58.8	83.8	356	221	144
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**47.6**	**13.3**	**17.9**	**9.45**	**10**	**14.2**	**10.6**	**10**	**7.99**	**9.93**
Zinc	8.5	**82.4**	**161**	**33.3**	**47.1**	**24.6**	**18**	**47.6**	**32.6**	**23.5**	**110**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4494.06 B187 (6-12") 5/18/1999	4494.08 B188 (6-12") 5/18/1999	4494.10 B189 (6-12") 5/18/1999	4494.12 B190 (6-12") 5/18/1999	4494.14 B191 (6-12") 5/18/1999	4494.16 B192 (6-12") 5/18/1999	4494.18 B193 (6-12") 5/18/1999	4494.20 B194 (6-12") 5/18/1999	4527.02 B195 (6-12") 6/1/1999	4527.04 B196 (6-12") 6/1/1999
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	0.19 J	ND	ND	ND	ND	0.21 J	ND	ND	0.12 J	ND
Benzo[a]pyrene	1.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	59.8	0.24 J	ND	ND	ND	ND	0.22 J	ND	ND	ND	ND
Benzo[g,h,I]perylene	119	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	148	0.17 J	ND	ND	ND	ND	0.17 J	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	ND	ND	ND	ND	0.12JB	0.14JB	ND	ND	ND	ND
Chrysene	4.73	0.35 J	ND	ND	ND	ND	0.4 J	ND	0.2 J	0.21 J	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.32JB	0.33JB	0.15JB	0.51JB	0.41JB	0.42JB	0.16JB	0.19JB	0.73JB	0.12JB
Fluoranthene	122	0.3 J	ND	ND	ND	ND	0.34 J	0.14 J	0.17 J	0.21 J	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	0.14 J	ND	ND	ND	ND	0.17 J	0.12 J	ND	0.12 J	ND
Pyrene	78.5	0.31 J	ND	ND	0.12 J	0.14 J	0.32 J	0.18 J	0.18 J	0.2 J	ND
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	0.045	0.08	ND	ND	0.057	0.034	0.031	0.036	0.029	ND
4,4'-DDE	0.596	0.04	0.029	ND	0.071	0.052	0.043	0.027	0.078	0.022	ND
4,4'-DDT	0.0035	ND	ND	ND	ND	**0.096**	**0.158**	**0.035**	**0.26**	ND	ND
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	**0.019**	ND	ND	ND	**0.02**	ND	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	**5.806**	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4494.06 B187 (6-12") 5/18/1999	4494.08 B188 (6-12") 5/18/1999	4494.10 B189 (6-12") 5/18/1999	4494.12 B190 (6-12") 5/18/1999	4494.14 B191 (6-12") 5/18/1999	4494.16 B192 (6-12") 5/18/1999	4494.18 B193 (6-12") 5/18/1999	4494.20 B194 (6-12") 5/18/1999	4527.02 B195 (6-12") 6/1/1999	4527.04 B196 (6-12") 6/1/1999
Metals (mg/kg)											
Aluminum	50	**11800**	**6550**	**9120**	**9390**	**11300**	**8010**	**9510**	**1080**	**1210**	**851**
Antimony	0.27	**5.58**	**0.62**	**0.835**	**0.882**	**1.02**	**0.848**	**0.937**	**0.874**	**0.579**	ND
Arsenic	9.9	**12.3**	5.95	9.82	8.3	**12**	**17.6**	**10.3**	**16**	6.35	0.664
Barium	283	122	34.7	56.9	142	95.2	52.9	57.4	73	14.6	3.67
Beryllium	10	1.26	0.606	1.19	1.26	1.5	1.33	1.33	0.119	0.44	ND
Cadmium	0.36	**1.83**	**1.35**	**1.2**	**1.94**	**3.72**	**1.28**	**1.09**	**0.52**	**0.959**	0.196
Calcium	NAV	3680	2300	1090	797	1150	1750	1500	892	580	155
Chromium	0.4	**129**	**60**	**135**	**124**	**169**	**93.4**	**113**	**12.2**	**16.2**	**3.61**
Cobalt	13	4.69	2.47	1.44	1.71	1.46	1.93	1.84	0.512	0.483	0.257
Copper	28	**46.1**	12.1	6.18	**59.9**	14.6	23	10.6	11.2	6.66	10.3
Iron	NAV	33800	17500	29900	28900	39200	24900	26200	9820	6940	507
Lead	11	**84.6**	**21.2**	**11.5**	**37.7**	**12.7**	**29.1**	**23.7**	**36.4**	**16.8**	5.81
Magnesium	NAV	4400	1770	3770	3770	5210	2980	3430	135	66.6	35.3
Manganese	220	122	39.5	18.1	48	28.9	142	24.1	8.35	5.05	2.44
Mercury	0.00051	**2.09**	**0.275**	**0.254**	**0.365**	**0.378**	**0.433**	**0.283**	**0.68**	**0.222**	**0.169**
Nickel	30	11.4	9.21	6.14	9.52	7.17	8.87	7.86	1.92	3.67	2.28
Potassium	NAV	9540	3740	8560	8500	12300	6250	7020	767	279	59
Selenium	0.21	**1.95**	**1.52**	**2.18**	**2.01**	**2.61**	**1.41**	**1.63**	**1.68**	**0.816**	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	369	146	108	124	151	248	167	99.1	92.6	98
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**60.4**	**33.3**	**54.7**	**53.3**	**72.4**	**45.5**	**52.1**	**10.8**	**11.6**	**3.26**
Zinc	8.5	**305**	**59.8**	**55.6**	**178**	**114**	**282**	**57.5**	**42.5**	**69.7**	**27.8**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4527.06 B197 (6-12") 6/1/1999	4527.08 B198 (6-12") 6/1/1999	4527.10 B199 (6-12") 6/1/1999	4527.12 B200 (6-12") 6/1/1999	4527.14 B201 (6-12") 6/1/1999	4527.16 B202 (6-12") 6/1/1999	4527.18 B203 (6-12") 6/1/1999	4530.02 B204 (6-12") 6/2/1999	4530.04 B205 (6-12") 6/2/1999	4530.06 B206 (6-12") 6/2/1999
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	0.24 J	0.15 J	0.14 J	ND	0.18 J	0.38 J	ND	0.12 J	ND
Benzo[a]pyrene	1.52	ND	0.21 J	0.13 J	0.15 J	ND	0.16 J	0.36 J	ND	0.11 J	ND
Benzo[b]fluoranthene	59.8	ND	0.18 J	0.12 J	0.18 J	ND	0.14 J	0.35 J	ND	0.11 J	ND
Benzo[g,h,I]perylene	119	ND	0.15 J	ND	0.13 J	ND	0.12 J	0.27 J	ND	ND	ND
Benzo[k]fluoranthene	148	ND	0.16 J	0.11 J	0.13 J	ND	0.15 J	0.3 J	ND	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	ND	0.12JB	0.12JB	ND	0.11JB	ND	0.14JB	ND	0.14JB	ND
Chrysene	4.73	ND	0.52 J	0.29 J	0.31 J	ND	0.37 J	0.76 J	ND	0.23 J	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.19 J
Di-n-butylphthalate	200	0.19JB	0.42JB	0.86JB	0.27JB	0.21JB	0.6JB	0.61JB	ND	0.2JB	0.19 JB
Fluoranthene	122	ND	0.38 J	0.28 J	0.26 J	ND	0.34 J	0.74 J	ND	0.23 J	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	0.13 J	ND	0.12 J	ND	ND	0.24 J	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	0.41 J	0.24 J	0.13 J	ND	0.26 J	0.47 J	ND	0.13 J	ND
Pyrene	78.5	ND	0.52 J	0.3 J	0.26 J	ND	0.36 J	0.69 J	ND	0.2 J	ND
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	0.054	0.074	0.17	0.207	ND	0.091	0.348	0.101	0.077	0.03
4,4'-DDE	0.596	0.013	0.075	0.086	0.183	ND	0.08	0.234	0.023	0.094	0.117
4,4'-DDT	0.0035	ND	**0.102**	ND	**0.118**	ND	**0.067**	**0.233**	**0.027**	**0.055**	**0.214**
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	**0.021**	ND	ND	ND	**0.02**	**0.013**	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4527.06 B197 (6-12") 6/1/1999	4527.08 B198 (6-12") 6/1/1999	4527.10 B199 (6-12") 6/1/1999	4527.12 B200 (6-12") 6/1/1999	4527.14 B201 (6-12") 6/1/1999	4527.16 B202 (6-12") 6/1/1999	4527.18 B203 (6-12") 6/1/1999	4530.02 B204 (6-12") 6/2/1999	4530.04 B205 (6-12") 6/2/1999	4530.06 B206 (6-12") 6/2/1999
Metals (mg/kg)											
Aluminum	50	**1050**	**1520**	**1510**	**1120**	**499**	**910**	**5860**	**10400**	**9730**	**9240**
Antimony	0.27	**0.464**	**1.46**	**0.915**	ND	ND	ND	**0.658**	**0.513**	**0.757**	**0.629**
Arsenic	9.9	4.58	5.2	8.96	6.85	ND	7.98	7.34	7.89	**10.3**	8.64
Barium	283	30	40.9	38.5	22.9	6.43	37.9	33.9	41.2	46.3	29.7
Beryllium	10	0.221	0.473	0.85	0.289	ND	0.302	0.929	0.99	0.873	0.739
Cadmium	0.36	**0.485**	**0.524**	**2.43**	**0.898**	0.181	**0.733**	**1.25**	**1.21**	**1.62**	**2.08**
Calcium	NAV	1400	1170	711	1290	482	706	653	1530	1050	711
Chromium	0.4	**7.2**	**21.7**	**18.6**	**10.7**	**5.96**	**49.1**	**65.4**	**83.1**	**67.9**	**41.9**
Cobalt	13	0.755	0.593	0.975	0.695	ND	1.29	1.38	3.77	3.61	2.81
Copper	28	25.1	10.2	11.4	20.4	3.05	7.64	13.1	25.1	9.47	10.5
Iron	NAV	3950	7270	7420	6170	791	6040	18000	30100	30100	19300
Lead	11	**16.7**	**25.3**	**24.5**	**36.7**	2.02	**18.5**	**49**	**22.8**	**23.1**	**23.9**
Magnesium	NAV	89	95.9	64.9	145	50.7	287	1690	3400	2430	1730
Manganese	220	15.6	5.6	6.00	22.9	3.66	6.73	25	58.7	77.6	115
Mercury	0.00051	**0.202**	**0.508**	**0.294**	**0.592**	**0.265**	**0.222**	**0.413**	**0.207**	**0.292**	**0.215**
Nickel	30	3.32	3.31	5.23	3.85	1.06	**410**	7.36	11.7	10.3	8.2
Potassium	NAV	165	110	141	168	139	419	3490	6680	5290	2440
Selenium	0.21	ND	**1.04**	**0.937**	ND	ND	ND	**1.58**	**1.33**	**1.09**	**1.12**
Silver	2	ND	1.84	0.786	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	70.4	71.1	70.8	94.3	158	126	113	231	99.8	334
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**11**	**15**	**14.9**	**11.9**	**3.52**	**9.31**	**34.7**	**60.8**	**49.2**	**35.2**
Zinc	8.5	**22.7**	**26.3**	**35.6**	**58.7**	**20.5**	**53.9**	**63.8**	**63.9**	**90.1**	**48.5**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4530.08 B207 (6-12") 6/2/1999	4530.10 B208 (6-12") 6/2/1999	4530.12 B209 (6-12") 6/2/1999	4530.14 B210 (6-12") 6/2/1999	4530.16 B211 (6-12") 6/2/1999
Semi-Volatiles (mg/kg)						
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	0.16 J	0.12 J
Anthracene	1,480	ND	ND	ND	ND	ND
Azobenzene	NAV	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	ND	0.3 J	0.56 J	0.31 J
Benzo[a]pyrene	1.52	ND	ND	0.27 J	0.6 J	0.3 J
Benzo[b]fluoranthene	59.8	ND	ND	0.24 J	0.49 J	0.26 J
Benzo[g,h,I]perylene	119	ND	ND	0.2 J	0.38 J	0.2 J
Benzo[k]fluoranthene	148	ND	ND	0.23 J	0.49 J	0.23 J
bis(2-Ethylhexyl)phthalate	0.925	0.15JB	0.12JB	0.13JB	0.12JB	0.15JB
Chrysene	4.73	ND	ND	0.61 J	1.1 J	0.68 J
Dibenz[a,h]anthracene	18.4	ND	ND	ND	0.15 J	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.22JB	0.65JB	0.51JB	0.49JB	0.72JB
Fluoranthene	122	0.11 J	ND	0.56 J	0.73 J	0.57 J
Fluorene	122	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	0.17 J	0.35 J	0.18 J
Naphthalene	0.0994	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	0.46 J	0.45 J	0.57 J
Pyrene	78.5	ND	ND	0.6 J	0.84 J	0.68 J
Pesticides/PCBs (mg/kg)						
4,4'-DDD	0.758	0.026	0.015	0.114	0.071	0.043
4,4'-DDE	0.596	0.077	0.012	0.07	0.057	0.058
4,4'-DDT	0.0035	**0.105**	ND	**0.037**	**0.037**	**0.086**
alpha-Chlordane	0.224	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND
gamma-BHC	0.005	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND
Aroclor 1016	0.371	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND
Aroclor 1248	0.371	ND	ND	ND	ND	ND
Aroclor 1254	0.371	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND

See Notes at End of Table

Table A-1
Soil Sampling Analytical Results
M-2 Landfill Site
Fort Monmouth, New Jersey
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4530.08 B207 (6-12") 6/2/1999	4530.10 B208 (6-12") 6/2/1999	4530.12 B209 (6-12") 6/2/1999	4530.14 B210 (6-12") 6/2/1999	4530.16 B211 (6-12") 6/2/1999
Metals (mg/kg)						
Aluminum	50	**8230**	**6530**	**5390**	**7020**	**7810**
Antimony	0.27	**0.657**	**0.485**	**1.18**	**0.734**	**1.09**
Arsenic	9.9	7.18	5.16	8.4	6.11	8.35
Barium	283	27.9	17.8	44	42.3	38.7
Beryllium	10	0.659	0.607	1.01	1.35	1.23
Cadmium	0.36	**0.658**	**0.79**	**1.42**	**1.66**	**1.7**
Calcium	NAV	959	323	928	532	679
Chromium	0.4	**43.1**	**50.6**	**65.6**	**72**	**76.3**
Cobalt	13	2.54	3.04	2.03	1.88	2.19
Copper	28	6.89	**344**	**47.5**	12.8	15
Iron	NAV	18400	17800	18500	18800	28800
Lead	11	**20.5**	**15.7**	**23.6**	**25**	**31.8**
Magnesium	NAV	1450	1290	1610	1590	1680
Manganese	220	93.1	158	20.5	22.2	21.6
Mercury	0.00051	**0.242**	**1.017**	**0.346**	**0.287**	**0.288**
Nickel	30	7.3	6.82	6.98	11	8.69
Potassium	NAV	2340	2780	3360	2980	3220
Selenium	0.21	**0.914**	**0.867**	**1.26**	**1.35**	**2.00**
Silver	2	ND	ND	ND	ND	ND
Sodium	NAV	110	75.4	114	165	86.3
Thallium	1	ND	ND	ND	ND	**1.03**
Vanadium	2	**37.5**	**35.5**	**33.6**	**39.7**	**43**
Zinc	8.5	**40.3**	**112**	**71.3**	**57.9**	**45.5**

Notes:
Exceedances of Eco-SSL soil criteria are bold and shaded.
All concentrations in milligrams per kilogram (mg/kg).
B = Compound in related blank.
D = Value from dilution.
E = Value exceeded linear range.
J = Estimated Value: Mass spectrometer and retention time data indicate the presence of the analyte; however, the result is less than the method detection limit, but greater than zero.
N = Presumptive evidence of a compound.
ESC = Ecological Screening Criteria (see Section 3.3)
NAV = No Available Value
ND = Analyte not detected in sample.
NS = Not Sampled
PCB = Polychlorinated Biphenyl
*Resample for 4443.08 for Pest/PCB ref#4526.01 B100

Table A-2
Soil Sampling Results
September 1998 through November 1998
M-3 Landfill Site
Fort Monmouth, New Jersey
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3923.02 B1 (6-12") 9/29/1998	3923.04 B2 (6-12") 9/29/1998	3923.06 B3 (6-12") 9/29/1998	3923.08 B4 (6-12") 9/29/1998	3923.10 B5 (6-12') 9/29/1998	3923.12 B6 (6-12') 9/29/1998	3923.14 B7 (6-12") 9/29/1998	3923.16 B8 (6-12") 9/29/1998	3923.18 B9 (6-12") 9/29/1998	3923.20 B10 (6-12") 9/29/1998	3923.22 B11 (6-12") 9/29/1998	3923.24 B12 (6-12") 9/29/1998	3923.26 B13 (6-12") 9/29/1998
Semi-Volatiles (mg/kg)														
1,4-Dichlorobenzene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	ND	ND	ND	0.21J	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	0.15J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	0.21J	ND	ND	ND	ND	ND	ND	0.38J	ND	ND	0.36J	ND	ND
Anthracene	1480	0.15J	ND	ND	ND	ND	ND	ND	0.47J	ND	ND	0.43J	ND	ND
Benzidine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	5.21	0.53J	0.21J	ND	ND	ND	ND	ND	1.8	ND	ND	1.7	ND	ND
Benzo(a)pyrene	1.52	0.51J	ND	ND	ND	ND	ND	ND	**2.0**	ND	ND	**2.0**	ND	ND
Benzo(b)fluoranthene	59.8	0.44J	ND	ND	ND	ND	ND	ND	1.9	ND	ND	2.1	ND	ND
Benzo(g,h,I)perylene	119	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND	1.1	ND	ND
Benzo(k)fluoranthene	148	0.56J	ND	ND	ND	ND	ND	ND	1.8	ND	ND	1.7	ND	ND
Benzoic Acid	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl alcohol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	1.1J	0.37J	ND	ND	ND	ND	ND	2.8	ND	ND	2.8	ND	ND
Dibenz(a,h)anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	0.41J	ND	ND	0.21J	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	ND	0.84J	0.16J	0.16J	0.17J	0.23J	0.62J	0.64J	0.65J	0.23J	0.62J	0.47J	0.52J
Di-n-octylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	122	0.90J	0.39J	0.13J	ND	ND	ND	ND	3.7	ND	0.17J	3.6	ND	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	109	ND	ND	ND	ND	ND	ND	ND	1.3	ND	ND	1.2	ND	ND
Naphthalene	0.0994	ND	ND	ND	**0.14J**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	1.1 J	0.52J	0.15J	ND	ND	0.15J	ND	1.7	ND	ND	1.7	ND	ND
Pyrene	78.5	1.4	0.55J	0.18J	ND	ND	ND	ND	3.1	ND	0.18J	3.1	ND	ND
Pesticides/PCBs (mg/kg)														
4,4'-DDD	0.758	0.202	0.016	0.015	0.015	0.002	ND	ND	0.059	0.018	**1.491**	0.029	0.15	0.014
4,4'-DDE	0.596	**0.728**	0.186	0.217	0.092	0.181	0.006	0.026	**1.403**	0.336	0.349	0.168	**0.897**	0.008
4,4'-DDT	0.0035	**0.5**	**0.661**	**0.354**	**0.040**	**0.042**	**0.004**	**0.016**	**1.376**	**0.413**	**5.066**	**0.077**	**1.551**	**0.011**
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.018	0.004	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.024	0.004	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See Notes at End of Table

Table A-2
Soil Sampling Results
September 1998 through November 1998
M-3 Landfill Site
Fort Monmouth, New Jersey
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3923.02 B1 (6-12") 9/29/1998	3923.04 B2 (6-12") 9/29/1998	3923.06 B3 (6-12") 9/29/1998	3923.08 B4 (6-12") 9/29/1998	3923.10 B5 (6-12') 9/29/1998	3923.12 B6 (6-12') 9/29/1998	3923.14 B7 (6-12") 9/29/1998	3923.16 B8 (6-12") 9/29/1998	3923.18 B9 (6-12") 9/29/1998	3923.20 B10 (6-12") 9/29/1998	3923.22 B11 (6-12") 9/29/1998	3923.24 B12 (6-12") 9/29/1998	3923.26 B13 (6-12") 9/29/1998
Pesticides/PCBs (mg/kg)														
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)														
Aluminum	50	**7700**	**9100**	**10300**	**2700**	**5190**	**3590**	**1940**	**9660**	**2900**	**4560**	**4710**	**1140**	**8050**
Antimony	0.27	**1.25**	**1.27**	**1.23**	ND	ND	**0.82**	**1.13**	0.255	**0.618**	ND	ND	ND	ND
Arsenic	9.9	**10.5**	**16.0**	**16.3**	6.07	6.33	**20.3**	**18.4**	7.27	2.00	3.14	4.25	2.35	6.21
Barium	283	40.4	49.0	28.7	119	141	63.1	29.8	31.7	32.6	30.7	32.2	22.4	81.7
Beryllium	10	1.27	1.17	1.10	0.594	0.716	0.515	0.416	0.685	0.355	0.498	0.811	0.166	0.791
Cadmium	0.36	0.173	0.277	0.125	0.0827	**0.495**	0.265	0.128	0.127	ND	0.304	0.249	0.158	ND
Calcium	NAV	766	738	1050	1530	2020	1380	464	876	751	325	449	586	604
Chromium	0.4	**85**	**104**	**106**	**8.15**	**10.5**	**30.4**	**9.25**	**49.3**	**10.8**	**17.9**	**14.8**	**3.16**	**19.5**
Cobalt	13	3.15	1.99	1.07	1.62	2.7	2.76	2.90	2.09	3.32	2.98	4.73	1.68	5.15
Copper	28	24.2	**76.9**	**51.6**	16.7	12.2	**63.6**	**37.7**	19.3	26	**46.4**	**58.5**	10.6	**97.0**
Iron	NAV	27200	25100	25900	5850	8180	21800	12000	16400	4230	5470	3260	1330	6450
Lead	11	**35.6**	**89.5**	**106**	5.72	5.29	**49.0**	**37.1**	**36.9**	**355**	**42.9**	**35.2**	6.89	**31.9**
Magnesium	NAV	3130	3100	3400	253	273	945	165	1860	196	620	213	87.8	418
Manganese	220	17.8	136	63.6	14.6	14.2	31.1	31.3	73.5	11.6	22.4	8.06	8.88	19.3
Mercury	0.00051	**0.108**	**0.157**	**0.091**	**0.557**	**0.487**	**0.027**	**0.064**	**0.065**	**0.085**	**0.035**	**0.282**	**0.028**	**0.045**
Nickel	30	8.28	5.75	5.4	4.77	7.53	12.4	10.6	6.66	9.7	10.1	14.8	4.35	16.8
Potassium	NAV	6860	5880	6320	641	564	2500	412	5190	468	1560	731	129	1350
Selenium	0.21	ND	ND	ND	ND	ND	**4.72**	**10.7**	ND	**0.32**	ND	**1.29**	ND	**1.46**
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	114	68.4	77.8	111	160	119	65.6	160	161	127	129	71.9	287
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**35.1**	**34.5**	**41.4**	**12.4**	**13.9**	**19.2**	**14.5**	**34.5**	**13.9**	**17.9**	**18.1**	**5.7**	**24.8**
Zinc	8.5	**115**	**172**	**82.8**	12.4	**14.2**	**48.7**	**26.0**	**58.2**	**417**	**31.8**	**21.7**	**12.2**	**15.6**

See Notes at End of Table

Table A-2
Soil Sampling Results
September 1998 through November 1998
M-3 Landfill Site
Fort Monmouth, New Jersey
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3923.28 B14 (6-12") 9/29/1998	3923.30 B15 (6-12") 9/29/1998	3923.32 B16 (6-12") 9/29/1998	3929.02 B17 (6-12") 9/30/1998	3929.04 B18 (6-12") 9/30/1998	3929.06 B19 (6-12") 9/30/1998	3929.08 B20 (6-12") 9/30/1998	3929.10 B21 (6-12") 9/30/1998	3929.12 B22 (6-12") 9/30/1998	3929.14 B23 (6-12") 9/30/1998	3929.16 B24 (6-12") 9/30/1998	3929.18 B25 (6-12") 9/30/1998	3929.20 B26 (6-12") 9/30/1998
Semi-Volatiles (mg/kg)														
1,4-Dichlorobenzene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	ND	ND	ND	ND	0.65J	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	3.3	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.23J	ND	ND
Anthracene	1480	ND	ND	ND	ND	8.2	ND	0.22J	ND	ND	ND	0.72J	ND	ND
Benzidine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	5.21	0.17J	ND	ND	0.21J	**11**	ND	0.21J	ND	ND	ND	3.5	ND	ND
Benzo(a)pyrene	1.52	0.17J	ND	ND	0.21J	**9.6**	ND	0.20J	ND	ND	ND	**3.8**	ND	ND
Benzo(b)fluoranthene	59.8	0.19J	ND	ND	0.17J	11	ND	0.14J	ND	ND	ND	4.4	ND	ND
Benzo(g,h,I)perylene	119	ND	ND	ND	ND	4.0	ND	ND	ND	ND	ND	1.7	ND	ND
Benzo(k)fluoranthene	148	0.20J	ND	ND	0.22J	5.5	ND	0.20J	ND	ND	ND	3.0	ND	ND
Benzoic Acid	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl alcohol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.28J
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	0.30J	ND	ND	0.30J	**25D**	ND	0.34J	ND	ND	ND	**6.5**	ND	ND
Dibenz(a,h)anthracene	18.4	ND	ND	ND	ND	2.0	ND	ND	ND	ND	ND	0.8J	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	2.3	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.77J	0.66J	0.74J	0.46J	0.47J	0.24J	0.70J	0.46J	0.84J	0.49J	0.50J	0.69J	0.29J
Di-n-octylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	122	0.28J	ND	ND	0.36J	55D	ND	0.30J	ND	ND	ND	8.8	ND	0.19J
Fluorene	122	ND	ND	ND	ND	3.3	ND	ND	ND	ND	ND	0.17J	ND	ND
Indeno(1,2,3-cd)pyrene	109	ND	ND	ND	ND	4.7	ND	ND	ND	ND	ND	1.8	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	**0.32J**	ND	ND	ND	ND	ND	**0.18J**	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	ND	0.22J	**58D**	ND	0.23J	ND	ND	ND	4.6	ND	ND
Pyrene	78.5	0.28J	ND	ND	0.33J	43D	ND	0.41J	ND	ND	ND	8.2	ND	0.17J
Pesticides/PCBs (mg/kg)														
4,4'-DDD	0.758	0.14	0.014	ND	0.003	ND	0.003	0.006	0.003	ND	0.007	0.123	0.124	0.223
4,4'-DDE	0.596	**0.940**	0.068	0.001	0.003	ND	0.014	0.014	0.016	0.022	0.044	0.308	0.262	**1.439**
4,4'-DDT	0.0035	**4.312**	**0.069**	**0.004**	**0.007**	0.003	**0.007**	**0.016**	**0.008**	**0.018**	**0.038**	**0.450**	**0.188**	**4.879**
alpha-Chlordane	0.224	0.017	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.01	0.021	ND
Dieldrin	0.0049	ND	ND	ND	ND	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	0.005	**0.041**	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.004	ND	**0.181**
gamma-Chlordane	0.224	0.013	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.008	0.021	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See Notes at End of Table

Table A-2
Soil Sampling Results
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3923.28 B14 (6-12") 9/29/1998	3923.30 B15 (6-12") 9/29/1998	3923.32 B16 (6-12") 9/29/1998	3929.02 B17 (6-12") 9/30/1998	3929.04 B18 (6-12") 9/30/1998	3929.06 B19 (6-12") 9/30/1998	3929.08 B20 (6-12") 9/30/1998	3929.10 B21 (6-12") 9/30/1998	3929.12 B22 (6-12") 9/30/1998	3929.14 B23 (6-12") 9/30/1998	3929.16 B24 (6-12") 9/30/1998	3929.18 B25 (6-12") 9/30/1998	3929.20 B26 (6-12") 9/30/1998
Pesticides/PCBs (mg/kg)														
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)														
Aluminum	50	**8920**	**14500**	**12300**	**12700**	**9080**	**8020**	**8140**	**2480**	**4110**	**3010**	**4340**	**2340**	**5000**
Antimony	0.27	**1.11**	**0.749**	**0.577**	**1.40**	**0.838**	**1.24**	**1.23**	ND	ND	**0.645**	ND	**0.611**	**0.363**
Arsenic	9.9	**14.9**	**18.5**	**14.1**	**18.4**	**18.8**	**17.8**	**18.3**	2.80	3.23	3.73	4.70	7.96	7.26
Barium	283	25.3	18.0	24.7	60.0	54.9	44.5	28.7	27.5	41.5	65.4	56.8	85.5	40.2
Beryllium	10	1.05	0.828	0.731	1.06	0.834	0.748	0.900	0.424	0.509	0.487	0.711	0.315	0.698
Cadmium	0.36	ND	ND	0.146	**0.824**	**0.395**	**0.405**	0.253	0.114	0.205	0.166	**0.54**	**0.656**	0.209
Calcium	NAV	122	845	799	1360	1350	1710	1770	562	1320	1110	1110	657	1310
Chromium	0.4	**103**	**93.2**	**81.8**	**125**	**91.4**	**78.2**	**89.9**	**7.64**	**7.51**	**5.09**	**11.0**	**24.8**	**27.7**
Cobalt	13	1.27	1.04	1.07	1.46	1.20	0.767	1.20	4.85	3.27	2.12	3.93	1.86	3.59
Copper	28	**33.6**	16.2	22.8	**160**	**126**	**53.8**	**40.9**	24.4	24.6	17.2	**35.9**	**47.8**	**31.3**
Iron	NAV	28100	25000	24400	26500	21800	20300	21700	3090	2810	3720	4900	4790	11500
Lead	11	**40.0**	**13.5**	**28.6**	**471**	**206**	**114**	**78.8**	5.63	**23.7**	**122**	**41.1**	**70.8**	**66.8**
Magnesium	NAV	3580	3170	2870	3740	2660	2280	2750	189	301	155	265	396	1140
Manganese	220	30.0	45.4	41.5	**224**	140	50.7	79.8	25.6	17.5	12.3	34.5	11.3	25.7
Mercury	0.00051	**0.109**	**0.022**	ND	**0.159**	**0.070**	**0.089**	**0.048**	ND	**0.044**	**0.069**	**0.562**	**2.043**	**0.120**
Nickel	30	4.65	4.38	4.43	7.89	5.66	4.77	5.61	14.7	10.3	8.91	13.1	6.97	10.6
Potassium	NAV	7680	4880	4150	6700	4490	5720	4780	338	683	311	787	891	3080
Selenium	0.21	ND	ND	ND	ND	ND	ND	ND	**0.61**	**0.741**	**0.446**	**0.794**	**0.827**	**0.892**
Silver	2	ND	ND	ND	ND	ND	0.426	ND	ND	ND	ND	0.8	**2.75**	ND
Sodium	NAV	121	76.4	68.5	105	84.2	53.7	89.4	120	121	88.6	167	105	228
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**43.2**	**51.5**	**45.3**	**53.4**	**31.1**	**28.4**	**30.6**	**15.5**	**16.5**	**12.1**	**18.4**	**10.8**	**30.0**
Zinc	8.5	**40.8**	**63.3**	**79.9**	**481**	**311**	**280**	**130**	6.58	**46.2**	**24.8**	**67.4**	**26.2**	**56.0**

See Notes at End of Table

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3929.22 B27 (6-12") 9/30/1998	3929.24 B28 (6-12') 9/30/1998	3929.26 B29 (6-12") 9/30/1998	3929.28 B30 (6-12") 9/30/1998	3929.30 B31 (6-12") 9/30/1998	3984.02 B32 (6-12") 10/19/1998	3984.04 B33 (6-12") 10/19/1998	3984.06 B34 (6-12") 10/19/1998	3984.08 B35 (6-12") 10/19/1998	3984.10 B36 (6-12") 10/19/1998	3984.12 B37 (6-12") 10/19/1998	3984.14 B38 (6-12") 10/19/1998	3984.16 B39 (6-12") 10/19/1998
Semi-Volatiles (mg/kg)														
1,4-Dichlorobenzene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1480	0.27J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzidine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	5.21	0.76J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	1.52	0.54J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	59.8	0.52J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,I)perylene	119	0.21J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	148	0.56J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl alcohol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.42J	ND
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	0.97J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.47J	0.22J	0.24J	0.39J	0.23J	0.62J	0.83J	0.95J	0.91J	1.5	1.3	0.50J	0.87J
Di-n-octylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	122	1.7	ND	ND	ND	0.17J	0.14J	0.19J	ND	ND	ND	ND	ND	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	109	0.24J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	78.5	1.3	ND	ND	ND	0.16J	0.14J	0.20J	ND	ND	ND	ND	ND	ND
Pesticides/PCBs (mg/kg)														
4,4'-DDD	0.758	0.066	0.217	0.017	ND	ND	ND	0.044	0.002	0.004	ND	ND	ND	ND
4,4'-DDE	0.596	0.141	0.566	0.022	0.007	0.007	0.024	0.511	0.071	0.033	0.013	0.016	0.004	0.017
4,4'-DDT	0.0035	**0.189**	**1.549**	**0.199**	**0.01**	**0.007**	**0.024**	**0.849**	**0.058**	**0.042**	**0.01**	**0.004**	0.002	**0.02**
alpha-Chlordane	0.224	0.029	0.022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	0.005	**0.035**	**0.009**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	0.016	0.021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See Notes at End of Table

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3929.22 B27 (6-12") 9/30/1998	3929.24 B28 (6-12') 9/30/1998	3929.26 B29 (6-12") 9/30/1998	3929.28 B30 (6-12") 9/30/1998	3929.30 B31 (6-12") 9/30/1998	3984.02 B32 (6-12") 10/19/1998	3984.04 B33 (6-12") 10/19/1998	3984.06 B34 (6-12") 10/19/1998	3984.08 B35 (6-12") 10/19/1998	3984.10 B36 (6-12") 10/19/1998	3984.12 B37 (6-12") 10/19/1998	3984.14 B38 (6-12") 10/19/1998	3984.16 B39 (6-12") 10/19/1998
Pesticides/PCBs (mg/kg)														
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)														
Aluminum	50	**6680**	**14600**	**14300**	**11400**	**15100**	**9790**	**8360**	**2220**	**4220**	**3440**	**2060**	**5980**	**12500**
Antimony	0.27	**0.866**	**1.15**	**1.26**	**1.52**	**3.29**	**1.36**	**1.09**	ND	ND	ND	ND	ND	**2.13**
Arsenic	9.9	7.52	**13.1**	**20.6**	**20.2**	**551**	**21.6**	**12.5**	4.19	2.67	3.73	5.76	4.43	9.43
Barium	283	62.8	114	40.7	202	35.3	50.2	53.3	21.2	30.3	71.3	53.8	42.1	39.1
Beryllium	10	1.12	1.07	1.21	0.899	1.67	1.03	1.19	0.410	0.550	0.415	0.456	0.873	2.17
Cadmium	0.36	0.0998	**0.931**	0.302	**1.71**	**0.728**	**0.366**	0.286	0.0583	ND	0.164	0.107	0.14	0.126
Calcium	NAV	2360	22300	1830	2070	1340	1500	1940	681	457	1340	1330	970	2390
Chromium	0.4	**62.5**	**73.2**	**125**	**99.8**	**198**	**108**	**84.4**	**8.96**	**18.4**	**4.40**	**4.53**	**19.8**	**152**
Cobalt	13	3.67	3.48	1.56	6.02	0.659	1.19	1.96	2.97	3.92	2.18	3.10	4.52	2.96
Copper	28	**52.5**	25.7	**50.4**	**235**	**436**	**56.2**	28.0	18.0	18.8	10.2	**37.3**	**31.2**	17.1
Iron	NAV	20700	26700	35500	45100	66400	23500	30500	3350	4440	3070	2140	5080	48900
Lead	11	**24.9**	**52.8**	**71.0**	**961**	**145**	**89.2**	**46.2**	**20.3**	**17.9**	8.91	**12.6**	**25.6**	**59.7**
Magnesium	NAV	2480	3840	4170	2850	4930	3090	3100	221	403	129	138	443	6130
Manganese	220	40.8	138	97.8	**489**	159	112	121	12.2	15.3	10.1	12.1	9.05	22.6
Mercury	0.00051	**0.033**	**0.27**	ND	ND	ND	**0.059**	**0.091**	**0.018**	**0.015**	**0.028**	**0.085**	**0.021**	**0.184**
Nickel	30	10.8	11.4	7.62	25.7	6.43	5.83	8.61	10.2	12.2	6.05	8.22	16.1	10.9
Potassium	NAV	6330	6420	7290	4600	9730	8340	6530	512	1250	301	264	1700	16200
Selenium	0.21	ND	ND	ND	ND	ND	ND	ND	**0.489**	**0.743**	**0.526**	**0.537**	**1.26**	ND
Silver	2	ND	ND	ND	0.785	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	174	388	116	151	87.1	93.6	97.2	107	183	161	98.1	227	122
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**20.8**	**42.8**	**58**	**39.8**	**69.7**	**33.7**	**33.0**	**17.6**	**20.2**	**12.8**	**10.1**	**27.2**	**19.9**
Zinc	8.5	**119**	**180**	**202**	**752**	**378**	**173**	**111**	**13.3**	**11.7**	**9.38**	**17.9**	**17.7**	**130**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3984.18 B40 (6-12") 10/19/1998	3984.20 B41 (6-12") 10/19/1998	3984.22 B42 (6-12") 10/19/1998	3984.24 B43 (6-12") 10/19/1998	3984.26 B44 (6-12") 10/19/1998	3989.02 B45 (6-12") 10/20/1998	3989.04 B46 (6-12") 10/20/1998	3989.06 B47 (6-12") 10/20/1998	3989.08 B48 (6-12") 10/20/1998	3989.10 B49 (6-12") 10/20/1998	3989.12 B50 (6-12") 10/20/1998	3989.14 B51 (6-12") 10/20/1998	3989.16 B52 (6-12") 10/20/1998
Semi-Volatiles (mg/kg)														
1,4-Dichlorobenzene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	0.53J	ND	ND	0.30J	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	6.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1480	5.6	ND	ND	0.31J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzidine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	5.21	**160D**	0.29J	ND	1.1	ND	ND	ND	ND	ND	0.20J	ND	0.48J	0.45J
Benzo(a)pyrene	1.52	**240D**	0.23J	ND	0.87J	ND	ND	ND	ND	ND	ND	ND	0.39J	0.37J
Benzo(b)fluoranthene	59.8	**260D**	0.24J	ND	0.70J	ND	ND	ND	ND	ND	ND	ND	0.35J	0.35J
Benzo(g,h,I)perylene	119	**150D**	ND	ND	0.49J	ND	ND	ND	ND	ND	ND	ND	0.23J	0.23J
Benzo(k)fluoranthene	148	130D	0.28J	ND	0.77J	ND	ND	ND	ND	ND	ND	ND	0.38J	0.39J
Benzoic Acid	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl alcohol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	0.19J	ND	ND	ND	ND	ND	ND	**13**	**13**	0.32J	ND	ND	ND
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	**310D**	0.42J	ND	1.7	ND	ND	ND	ND	ND	0.32J	ND	0.73J	0.68J
Dibenz(a,h)anthracene	18.4	**55D**	ND	ND	0.25J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	0.61J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	1.8	0.13J	0.23J	0.32J	0.29J	2.1	2.4	0.76J	0.75J	0.39J	0.34J	0.96J	0.92J
Di-n-octylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	122	**210D**	0.59J	0.20J	1.9	ND	0.25J	0.29J	ND	ND	0.42J	0.18J	1.1J	1.0 J
Fluorene	122	1.7	ND	ND	0.28J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	109	**150D**	ND	ND	0.46J	ND	ND	ND	ND	ND	ND	ND	0.21J	0.21J
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	28JD	0.27J	ND	1.8	ND	0.18J	0.21J	ND	ND	0.21J	ND	0.67J	0.64J
Pyrene	78.5	**220D**	0.52J	0.19J	2.4	0.18J	0.24J	0.28J	ND	ND	0.42J	ND	0.94J	0.90J
Pesticides/PCBs (mg/kg)														
4,4'-DDD	0.758	0.02	0.051	0.021	0.1	0.308	0.023	ND	ND	0.004	0.024	0.022	0.023	0.090
4,4'-DDE	0.596	0.157	0.372	0.112	0.252	**1.474**	**0.916**	0.013	0.031	0.066	0.045	**0.68**	0.298	0.107
4,4'-DDT	0.0035	**0.493**	**0.552**	**0.132**	**0.153**	**1.261**	**0.687**	**0.017**	**0.026**	**0.076**	**0.084**	**0.554**	**0.44**	**0.094**
alpha-Chlordane	0.224	ND	ND	ND	ND	0.035	ND	ND	ND	ND	ND	ND	ND	0.004
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.005	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	0.032	ND	ND	ND	ND	ND	ND	ND	0.004
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See Notes at End of Table

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3984.18 B40 (6-12") 10/19/1998	3984.20 B41 (6-12") 10/19/1998	3984.22 B42 (6-12") 10/19/1998	3984.24 B43 (6-12") 10/19/1998	3984.26 B44 (6-12") 10/19/1998	3989.02 B45 (6-12") 10/20/1998	3989.04 B46 (6-12") 10/20/1998	3989.06 B47 (6-12") 10/20/1998	3989.08 B48 (6-12") 10/20/1998	3989.10 B49 (6-12") 10/20/1998	3989.12 B50 (6-12") 10/20/1998	3989.14 B51 (6-12") 10/20/1998	3989.16 B52 (6-12") 10/20/1998
Pesticides/PCBs (mg/kg)														
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)														
Aluminum	50	**7750**	**8800**	**12600**	**6790**	**9660**	**8540**	**13200**	**2640**	**2820**	**2310**	**12800**	**8490**	**15800**
Antimony	0.27	**1.08**	**1.00**	**1.59**	**0.634**	**1.14**	**1.28**	**2.04**	ND	ND	**1.14**	**1.42**	**0.569**	**1.84**
Arsenic	9.9	**18.0**	**14.6**	**19.4**	8.97	**13.0**	**13.7**	**23.3**	1.95	3.81	3.44	**26.8**	9.32	**18.7**
Barium	283	26.3	41.4	43.5	45.6	42.1	37.9	49.6	23.2	17.6	**311**	32.9	59.6	43.0
Beryllium	10	0.795	0.847	1.36	0.676	1.21	1.18	1.65	0.307	0.921	0.498	1.31	0.919	2.07
Cadmium	0.36	**0.990**	0.260	0.233	0.298	0.199	0.148	0.14	**0.588**	0.065	**9.73**	0.337	**0.597**	0.197
Calcium	NAV	125	1440	1430	1390	2250	1600	2930	1600	515	1080	13380	14000	1540
Chromium	0.4	**91.9**	**71.7**	**132**	**48.7**	**84.0**	**88.8**	**163**	**5.22**	**10.4**	**101**	**139**	**58**	**147**
Cobalt	13	0.789	1.64	1.58	1.94	1.9	1.76	2.26	3.56	3.08	3.72	1.26	2.98	2.69
Copper	28	13.5	**30.1**	**56.8**	**38.9**	20.2	20.1	6.46	11.9	16.2	**76.9**	24.0	**31.2**	14.7
Iron	NAV	25600	22900	32000	20100	29100	29300	43500	1580	2710	8290	29200	18200	57400
Lead	11	**53.2**	**80.2**	**76.0**	**44.0**	**42.0**	**44.7**	**13.8**	**17.5**	6.6	**560**	**38.0**	**113**	**32.3**
Magnesium	NAV	2390	2440	4530	1490	3400	3200	5760	197	248	722	4280	2870	6280
Manganese	220	28.3	61.3	85.6	42.1	63.7	46.0	31.2	22	9.21	61.9	35.5	59.6	55.9
Mercury	0.00051	**0.222**	**0.125**	**0.245**	**0.29**	**0.178**	**0.175**	**0.129**	**0.09**	**0.123**	**0.209**	**0.161**	**4.363**	**0.142**
Nickel	30	4.40	6.20	6.89	6.77	7.68	6.95	9.21	11	8.94	17.5	6.44	10.5	10.1
Potassium	NAV	4840	6450	8710	3910	6200	6790	12400	785	815	2290	8130	6690	15400
Selenium	0.21	ND	ND	ND	ND	ND	ND	ND	**0.332**	**0.934**	**0.362**	**0.676**	ND	ND
Silver	2	0.363	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	67.4	81.0	115	121	172	96.1	111	154	135	124	97.7	196	184
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.743	ND	ND
Vanadium	2	**30.6**	**31.4**	**54.3**	**27.6**	**36.2**	**32.4**	**32.4**	**6.22**	**13.9**	**14.7**	**59.9**	**32.4**	**65.9**
Zinc	8.5	**40.3**	**116**	**130**	**93**	**83.3**	**76.5**	**72.2**	**54.3**	**12.8**	**990**	**62.9**	**139**	**92.2**

See Notes at End of Table

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Soil Sampling Results
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3989.18 B53 (6-12") 10/20/1998	3989.20 B54 (6-12") 10/20/1998	3989.22 B55 (6-12") 10/20/1998	3989.24 B56 (6-12") 10/20/1998	3989.26 B57 (6-12") 10/20/1998	3989.28 B58 (6-12") 10/20/1998	3989.30 B59 (6-12") 10/20/1998	3989.32 B60 (6-12") 10/20/1998	3989.34 B61 (6-12") 10/20/1998	3989.36 B62 (6-12") 10/20/1998	3989.38 B63 (6-12") 10/20/1998	3989.40 B64 (6-12") 10/20/1998	3996.02 B64A (6-12") 10/21/1998
Semi-Volatiles (mg/kg)														
1,4-Dichlorobenzene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1480	0.29J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzidine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	5.21	2.0	ND	ND	ND	0.17J	ND	0.23J	ND	0.59J	0.32J	ND	ND	0.20J
Benzo(a)pyrene	1.52	**2.0**	ND	ND	ND	ND	ND	0.20J	ND	0.74J	0.35J	ND	ND	0.20J
Benzo(b)fluoranthene	59.8	1.8	ND	ND	ND	ND	ND	0.17J	ND	0.63J	0.32J	ND	ND	0.19J
Benzo(g,h,I)perylene	119	0.99J	ND	ND	ND	ND	ND	ND	ND	0.47J	0.18J	ND	ND	0.13J
Benzo(k)fluoranthene	148	1.8	ND	ND	ND	ND	ND	0.19J	ND	0.64J	0.33J	ND	ND	0.20J
Benzoic Acid	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl alcohol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	**1.4**	ND	ND	ND	ND	ND	ND	ND	0.32J	ND	ND	ND	ND
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	3.1	ND	ND	ND	0.25J	ND	0.34J	ND	1.1	0.53J	ND	ND	0.31J
Dibenz(a,h)anthracene	18.4	0.52J	ND	ND	ND	ND	ND	ND	ND	0.22J	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.20J	0.33J	0.30J	0.72J	2.7	15E	0.45J	1.1	0.95J	1.3	0.73J	0.41J	1.1
Di-n-octylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	122	3.4	ND	0.17J	ND	0.21J	ND	0.56J	ND	0.78J	0.47J	ND	ND	0.32J
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	109	1.0 J	ND	ND	ND	ND	ND	ND	ND	0.42J	0.18J	ND	ND	0.13J
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	1.1	ND	ND	ND	ND	ND	0.38J	ND	0.22J	0.24J	ND	ND	ND
Pyrene	78.5	3.1	ND	ND	ND	0.22J	ND	0.48J	ND	0.85J	0.44J	ND	ND	0.31J
Pesticides/PCBs (mg/kg)														
4,4'-DDD	0.758	0.488	0.006	ND	0.011	0.014	0.005	0.013	0.024	0.014	0.008	0.007	0.009	0.153
4,4'-DDE	0.596	0.214	0.064	0.006	0.184	0.113	0.075	0.045	0.31	0.049	0.022	0.059	0.042	0.465
4,4'-DDT	0.0035	**0.167**	**0.056**	**0.008**	**0.269**	**0.218**	**0.069**	**0.102**	**0.371**	**0.106**	**0.027**	**0.115**	**0.032**	**1.45**
alpha-Chlordane	0.224	0.092	ND	ND	ND	ND	ND	ND	0.002	ND	ND	0.003	0.003	0.022
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	0.005	ND	ND	ND	ND	0.003	ND	ND	0.004	ND	ND	ND	ND	0.002
gamma-Chlordane	0.224	0.091	ND	ND	ND	ND	ND	ND	0.001	ND	ND	0.001	0.001	0.016
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See Notes at End of Table

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3989.18 B53 (6-12") 10/20/1998	3989.20 B54 (6-12") 10/20/1998	3989.22 B55 (6-12") 10/20/1998	3989.24 B56 (6-12") 10/20/1998	3989.26 B57 (6-12") 10/20/1998	3989.28 B58 (6-12") 10/20/1998	3989.30 B59 (6-12") 10/20/1998	3989.32 B60 (6-12") 10/20/1998	3989.34 B61 (6-12") 10/20/1998	3989.36 B62 (6-12") 10/20/1998	3989.38 B63 (6-12") 10/20/1998	3989.40 B64 (6-12") 10/20/1998	3996.02 B64A (6-12") 10/21/1998
Pesticides/PCBs (mg/kg)														
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)														
Aluminum	50	**8020**	**13700**	**14300**	**7570**	**4010**	**7350**	**10600**	**8740**	**9600**	**15400**	**9050**	**8260**	**7610**
Antimony	0.27	**0.792**	**1.26**	**1.06**	**0.297**	**0.446**	**0.655**	**1.61**	**1.45**	**1.27**	**1.06**	**1.32**	**1.23**	**0.858**
Arsenic	9.9	**15.3**	**19.4**	**20.4**	7.35	**92.8**	8.46	**13.9**	**12.2**	**21.8**	**19.7**	9.14	8.92	**12.7**
Barium	283	45.4	45.3	48.9	19.1	50.0	27.6	23.6	108	128	24.2	18.5	17.9	48.5
Beryllium	10	1.00	0.907	0.955	0.481	0.584	0.683	1.31	1.36	0.914	0.895	1.54	1.49	1.01
Cadmium	0.36	0.253	0.346	0.148	0.115	0.165	0.265	0.132	**0.48**	0.291	0.289	**0.587**	**0.537**	0.317
Calcium	NAV	1080	1500	1090	863	1160	1930	1480	3010	1680	1140	800	747	1130
Chromium	0.4	**75.4**	**113**	**104**	**49.0**	**46.5**	**56.5**	**129**	**111**	**92.5**	**106**	**99.3**	**90.7**	**70.3**
Cobalt	13	1.35	1.33	0.781	0.938	1.01	2.08	1.23	2.87	1.16	0.825	1.59	1.50	1.58
Copper	28	**345**	**69.4**	11.4	6.59	11.4	11.3	3.93	**53.7**	**927**	18.8	8.61	3.38	**79.0**
Iron	NAV	25100	24100	25500	15000	17200	16500	34200	32500	25900	23900	39800	36900	22900
Lead	11	**237**	**535**	**17.4**	5.59	3.00	**12.0**	7.83	**106**	**276**	**17.8**	5.97	5.44	**109**
Magnesium	NAV	2860	3320	3060	1370	35.9	1550	4600	4200	2700	3730	4200	3680	2470
Manganese	220	118	115	31.5	12.3	17.4	25.5	40.9	54.8	64.7	25.9	22.9	22.0	113
Mercury	0.00051	**0.102**	**0.039**	**0.028**	**0.024**	**0.044**	**0.044**	**0.040**	**0.231**	**0.086**	**0.035**	**0.031**	**0.026**	**0.107**
Nickel	30	5.57	5.70	5.32	5.24	5.13	6.66	5.98	11.7	5.6	3.89	7.08	6.72	5.28
Potassium	NAV	5810	5550	7620	3470	4580	4870	10200	9790	4800	5550	9460	8370	4600
Selenium	0.21	ND	**0.342**	**0.623**	ND	**0.723**	ND	ND	ND	ND	ND	ND	ND	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	114	131	144	68.1	160	94.2	60	91.8	140	176	71.4	63.1	120
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.488	ND	ND	ND
Vanadium	2	**31.7**	**54.1**	**48.2**	**21.5**	**19.1**	**18.7**	**38.1**	**21.1**	**30.2**	**54.5**	**39.2**	**33.0**	**29.4**
Zinc	8.5	**160**	**241**	**47.5**	**24.7**	**38.6**	**34**	**69.7**	**275**	**214**	**30.3**	**56.5**	**56.4**	**105**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3996.04 B65 (6-12") 10/21/1998	3996.06 B66 (6-12") 10/21/1998	3996.08 B67 (6-12") 10/21/1998	3996.10 B68 (6-12") 10/21/1998	3996.12 B69 (6-12") 10/21/1998	3996.14 B70 (6-12") 10/21/1998	3996.16 B71 (6-12") 10/21/1998	3996.18 B72 (6-12") 10/21/1998	3996.20 B73 (6-12") 10/21/1998	3996.22 B74 (6-12") 10/21/1998	4007.02 B75 (6-12") 10/26/1998	4007.04 B76 (6-12") 10/26/1998	4007.06 B77 (6-12") 10/26/1998
Semi-Volatiles (mg/kg)														
1,4-Dichlorobenzene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzidine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	5.21	0.19J	ND	ND	ND	ND	ND	0.99J	ND	ND	ND	ND	0.19J	ND
Benzo(a)pyrene	1.52	0.19J	ND	ND	ND	ND	ND	**1.6**	ND	ND	ND	ND	0.20J	ND
Benzo(b)fluoranthene	59.8	0.17J	ND	ND	ND	ND	ND	1.5	ND	ND	ND	ND	0.17J	ND
Benzo(g,h,I)perylene	119	ND	ND	ND	ND	ND	ND	0.84J	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	148	0.19J	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	0.21J	ND
Benzoic Acid	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl alcohol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	0.30J	ND	ND	ND	ND	ND	2.1	ND	ND	ND	ND	0.30J	ND
Dibenz(a,h)anthracene	18.4	ND	ND	ND	ND	ND	ND	0.40J	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	1.1	0.94J	0.89J	1.0 J	1.6	0.28J	1.0 J	0.34J	0.19J	0.21J	0.93J	0.58J	1.6
Di-n-octylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	122	0.31J	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	0.29J	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	109	ND	ND	ND	ND	ND	ND	0.77J	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	ND	ND	ND	ND	0.29J	ND	ND	ND	ND	ND	ND
Pyrene	78.5	0.29J	ND	ND	ND	0.18J	ND	1.4	ND	ND	ND	ND	0.29J	ND
Pesticides/PCBs (mg/kg)														
4,4'-DDD	0.758	ND	0.01	0.005	0.008	0.05	0.02	0.054	0.015	ND	0.003	ND	ND	ND
4,4'-DDE	0.596	0.013	0.139	0.045	0.071	**0.699**	0.011	0.414	0.027	0.008	0.037	0.007	0.003	0.002
4,4'-DDT	0.0035	**0.012**	**0.147**	**0.071**	**0.082**	**0.629**	**0.022**	**0.438**	**0.042**	**0.01**	**0.041**	0.003	**0.004**	0.003
alpha-Chlordane	0.224	ND	ND	ND	ND	0.003	ND	0.003	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	0.005	ND	ND	ND	**0.006**	0.002	ND	0.004	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	0.002	ND	0.002	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3996.04 B65 (6-12") 10/21/1998	3996.06 B66 (6-12") 10/21/1998	3996.08 B67 (6-12") 10/21/1998	3996.10 B68 (6-12") 10/21/1998	3996.12 B69 (6-12") 10/21/1998	3996.14 B70 (6-12") 10/21/1998	3996.16 B71 (6-12") 10/21/1998	3996.18 B72 (6-12") 10/21/1998	3996.20 B73 (6-12") 10/21/1998	3996.22 B74 (6-12") 10/21/1998	4007.02 B75 (6-12") 10/26/1998	4007.04 B76 (6-12") 10/26/1998	4007.06 B77 (6-12") 10/26/1998
Pesticides/PCBs (mg/kg)														
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)														
Aluminum	50	**6880**	**10500**	**8280**	**8730**	**7410**	**13900**	**9170**	**8830**	**7760**	**6040**	**5210**	**5510**	**11700**
Antimony	0.27	**0.982**	**1.55**	**5.96**	**1.19**	0.228	**0.761**	**1.04**	**1.51**	**1.33**	**0.823**	ND	**0.410**	ND
Arsenic	9.9	8.06	**13.6**	**15.8**	**10.7**	**10.2**	**22.5**	**14.1**	8.78	9.27	7.13	6.23	6.89	**12.3**
Barium	283	21.5	49.5	56.0	32.7	**463**	40.0	120	53.3	18.1	12.2	28.5	23.6	30.5
Beryllium	10	1.36	1.71	1.36	1.60	0.666	0.885	1.14	1.46	1.23	0.938	1.04	1.05	2.23
Cadmium	0.36	0.258	0.33	**0.465**	**0.628**	**0.526**	**0.531**	**1.18**	0.347	0.15	0.209	0.104	0.158	0.112
Calcium	NAV	1230	1910	1520	703	2660	1410	3650	527	674	347	913	1060	1410
Chromium	0.4	**75.5**	**128**	**398**	**103**	**41.4**	**103**	**84.5**	**111**	**93.2**	**74.1**	**61.5**	**65.5**	**129**
Cobalt	13	1.23	2.27	2.98	1.50	4.02	0.970	2.74	2.47	1.68	1.48	1.59	1.34	2.68
Copper	28	2.47	**30.1**	**66.2**	10.4	**50.7**	**47.4**	**64.9**	**67.2**	1.81	1.91	3.41	3.38	2.61
Iron	NAV	32800	39300	83400	35500	13200	25100	25400	34900	32500	24000	24400	26800	53000
Lead	11	5.44	**69.4**	**99.2**	**12.9**	**107**	**22.8**	**178**	**152**	5.37	5.26	5.54	5.67	5.85
Magnesium	NAV	3220	5130	3700	3710	1540	3330	3570	3710	3040	2120	2130	2250	5800
Manganese	220	25.3	32.0	172	20.4	90.9	33.5	114	37.3	32.4	38.2	42.1	33.3	41.1
Mercury	0.00051	**0.025**	**0.035**	**0.120**	**0.058**	**0.414**	**0.033**	**0.657**	**1.971**	**0.031**	**0.017**	**0.053**	**0.034**	**0.022**
Nickel	30	5.77	8.12	10.8	7.18	14.6	5.17	11.4	9.18	6.85	5.33	5.30	5.91	9.11
Potassium	NAV	6550	11600	9060	8650	3940	5410	6310	9410	6840	4570	5430	3730	12700
Selenium	0.21	ND	ND	ND	ND	**0.633**	ND	**0.541**	ND	ND	ND	**0.604**	**0.58**	**0.537**
Silver	2	ND	ND	ND	ND	ND	ND	**2.28**	ND	ND	ND	ND	ND	ND
Sodium	NAV	93.4	91.7	126	97.2	184	153	198	125	104	117	115	120	147
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**27.0**	**24.0**	**20.8**	**26.7**	**21.6**	**50.4**	**31.6**	**17.7**	**28.6**	**27.5**	**26.2**	**28.5**	**50.5**
Zinc	8.5	**54.7**	**141**	**274**	**77.2**	**250**	**174**	**251**	**145**	**48.5**	**36.3**	**45.3**	**48**	**75.2**

See Notes at End of Table

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4007.08 B78 (6-12") 10/26/1998	4007.10 B79 (6-12") 10/26/1998	4007.12 B80 (6-12") 10/26/1998	4007.14 B81 (6-12") 10/26/1998	4007.16 B82 (6-12") 10/26/1998	4007.18 B83 (6-12") 10/26/1998	4007.20 B84 (6-12") 10/26/1998	4007.22 B85 (6-12") 10/26/1998	4007.24 B86 (6-12") 10/26/1998	4007.26 B87 (6-12") 10/26/1998	4007.28 B88 (6-12") 10/26/1998	4007.30 B89 (6-12") 10/26/1998	4009.02 B90 (6-12") 10/27/1998
Semi-Volatiles (mg/kg)														
1,4-Dichlorobenzene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	0.54J	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1480	ND	ND	ND	ND	ND	ND	ND	ND	1.4	0.38J	0.13J	ND	ND
Benzidine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	5.21	ND	ND	ND	0.19J	ND	ND	0.49J	ND	**19E**	3.6	1.3	0.88J	0.82J
Benzo(a)pyrene	1.52	ND	ND	ND	ND	ND	ND	0.58J	ND	**26E**	**4.9**	**1.8**	1.2	1.0 J
Benzo(b)fluoranthene	59.8	ND	ND	ND	0.18J	ND	ND	0.54J	ND	40E	5.3	1.7	1.1	1.0 J
Benzo(g,h,I)perylene	119	ND	ND	ND	ND	ND	ND	0.32J	ND	7.8	1.9	0.82J	0.82J	0.68J
Benzo(k)fluoranthene	148	ND	ND	ND	0.19J	ND	ND	0.56J	ND	9.1	3.2	1.4	1.1	0.85J
Benzoic Acid	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl alcohol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	ND	ND	ND	0.31J	ND	ND	0.84J	ND	**32E**	**6.9**	2.3	1.6	1.5
Dibenz(a,h)anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	8.6	0.63J	ND	ND	0.30J
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.35J	0.37J	1.0J	0.57J	0.63J	0.63J	0.68J	0.17J	0.16J	0.27J	0.18J	0.18J	0.36J
Di-n-octylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	122	ND	ND	ND	0.29J	0.18J	ND	0.68J	ND	28E	5.8	1.8	1.2	1.1
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	0.23J	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	109	ND	ND	ND	ND	ND	ND	0.31J	ND	9.9	2.0	0.85J	0.75J	0.64J
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	**0.17J**	**0.19J**	ND	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	ND	ND	ND	ND	0.29J	ND	7.3	1.9	0.61J	0.35J	0.29J
Pyrene	78.5	ND	ND	ND	0.31J	0.18J	ND	0.65J	ND	22E	4.9	1.8	1.1	1.1
Pesticides/PCBs (mg/kg)														
4,4'-DDD	0.758	ND	ND	0.113	ND	0.023	ND	0.003	0.014	0.049	ND	ND	0.007	0.021
4,4'-DDE	0.596	0.004	0.003	0.217	0.371	0.317	0.002	0.022	0.493	0.507	0.29	0.005	0.049	0.357
4,4'-DDT	0.0035	**0.007**	**0.007**	**0.311**	**0.631**	**0.482**	ND	**0.017**	**0.359**	**0.626**	**0.474**	**0.006**	**0.039**	**0.364**
alpha-Chlordane	0.224	ND	ND	0.004	0.010	0.010	ND	ND	ND	0.002	0.013	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	**0.060**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	0.005	ND	ND	ND	0.002	0.003	ND	ND	ND	ND	0.004	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	0.008	0.010	0.006	ND	ND	ND	0.001	0.01	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4007.08 B78 (6-12") 10/26/1998	4007.10 B79 (6-12") 10/26/1998	4007.12 B80 (6-12") 10/26/1998	4007.14 B81 (6-12") 10/26/1998	4007.16 B82 (6-12") 10/26/1998	4007.18 B83 (6-12") 10/26/1998	4007.20 B84 (6-12") 10/26/1998	4007.22 B85 (6-12") 10/26/1998	4007.24 B86 (6-12") 10/26/1998	4007.26 B87 (6-12") 10/26/1998	4007.28 B88 (6-12") 10/26/1998	4007.30 B89 (6-12") 10/26/1998	4009.02 B90 (6-12") 10/27/1998
Pesticides/PCBs (mg/kg)														
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	**1.479**	ND	ND	ND	ND	ND	**2.007**	ND	ND	ND
Metals (mg/kg)														
Aluminum	50	**7890**	**5860**	**11300**	**12900**	**6360**	**9910**	**12100**	**7880**	**7970**	**14900**	**5120**	**7770**	**9080**
Antimony	0.27	ND	ND	ND	ND	ND	ND	ND	ND	**0.513**	**0.506**	ND	ND	ND
Arsenic	9.9	**22.2**	**21.7**	**19.6**	**25.6**	**19.2**	**11.1**	**12.1**	**9.95**	**25.6**	**20.4**	7.27	8.40	**10.1**
Barium	283	23.0	10.8	59.3	118	79.5	24.3	24.3	28.0	92.4	219	15.3	18.9	26.7
Beryllium	10	0.750	0.654	1.34	1.59	0.698	1.95	2.31	1.42	0.904	1.86	0.597	1.41	1.63
Cadmium	0.36	0.224	0.199	0.312	**1.2**	**0.437**	0.155	ND	0.129	**0.791**	**0.388**	0.114	ND	**1140**
Calcium	NAV	1100	916	2070	2860	2050	1000	1360	1900	1780	312	987	1130	0.161
Chromium	0.4	**128**	**86.6**	**162**	**185**	**74.7**	**109**	**131**	**92.7**	**98.0**	**168**	**49.6**	**90.8**	**104**
Cobalt	13	0.624	0.403	1.15	1.69	1.29	2.27	2.77	2.42	1.85	2.41	0.914	1.65	1.94
Copper	28	**41.9**	13.5	**61.2**	**109**	**76.0**	3.66	6.12	7.07	**204**	**92.8**	4.62	2.91	4.58
Iron	NAV	23600	12700	29500	42400	19500	47600	58800	36100	27100	49200	17800	35100	44800
Lead	11	**51.0**	**11.2**	**72.4**	**134**	**59.4**	**59.5**	**23.4**	**60.5**	**202**	**147**	**12.3**	10.6	**25.8**
Magnesium	NAV	2670	1900	4400	5400	1910	4960	6780	3750	2770	5670	1490	3480	4390
Manganese	220	36.8	16.1	27.6	84.0	83.5	38.7	34.5	34.8	121	25.8	26.6	27.4	28.7
Mercury	0.00051	**0.026**	**0.018**	**0.295**	**0.794**	**0.14**	**0.013**	**0.04**	**0.041**	**0.148**	**3.539**	**0.067**	**0.038**	**0.037**
Nickel	30	3.30	3.26	6.53	7.82	5.86	7.61	8.42	5.84	6.67	8.08	3.32	5.25	6.03
Potassium	NAV	4200	4670	7730	9790	4340	11100	15000	7650	4380	12900	3780	7350	9180
Selenium	0.21	**1.22**	ND	**0.878**	**2.01**	**0.987**	ND	**0.574**	**0.484**	**1.11**	**1.13**	**0.614**	**0.539**	**0.665**
Silver	2	ND	ND	ND	**4.25**	0.629	ND	ND	ND	ND	**16.0**	ND	ND	ND
Sodium	NAV	122	159	210	178	220	105	150	105	120	170	63.3	109	135
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**20.9**	**18.2**	**45.2**	**61.6**	**25.6**	**41.3**	**61.9**	**35.6**	**38.0**	**67.8**	**21.0**	**31.4**	**39.5**
Zinc	8.5	**106**	**25.1**	**174**	**237**	**191**	**66.2**	**81.4**	**74.3**	**410**	93.6	**33.0**	**53.2**	**61.2**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4009.04 B91 (6-12") 10/27/1998	4009.06 B92 (6-12") 10/27/1998	4009.08 B93 (6-12") 10/27/1998	4009.10 B94 (6-12") 10/27/1998	4009.12 B95 (6-12") 10/27/1998	4009.14 B96 (6-12") 10/27/1998	4009.16 B97 (6-12") 10/27/1998	4009.18 B98 (6-12") 10/27/1998	4009.20 B99 (6-12") 10/27/1998	4009.22 B100 (6-12") 10/27/1998	4009.24 B101 (6-12") 10/27/1998	4009.26 B102 (6-12") 10/27/1998
Semi-Volatiles (mg/kg)													
1,4-Dichlorobenzene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzidine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	5.21	0.43J	0.50J	ND	0.22J	ND	ND	0.34 J	ND	0.17 J	ND	0.28 J	0.44 J
Benzo(a)pyrene	1.52	0.43J	**4.3**	ND	0.24J	ND	ND	0.29 J	ND	ND	ND	0.29 J	0.56 J
Benzo(b)fluoranthene	59.8	0.36J	1.9	ND	0.22J	ND	ND	0.58 J	ND	0.22 J	ND	0.32 J	0.51 J
Benzo(g,h,I)perylene	119	0.24J	0.66J	ND	ND	ND	ND	ND	ND	ND	ND	0.18 J	0.37 J
Benzo(k)fluoranthene	148	0.41J	4.4	ND	0.21J	ND	ND	0.60 J	ND	0.20 J	ND	0.33 J	0.50 J
Benzoic Acid	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl alcohol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	ND	ND	ND	ND	ND	**7.2**	ND	ND	ND	ND	ND	ND
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	0.64J	2.4	ND	0.36J	ND	ND	0.85 J	ND	0.31 J	ND	0.52 J	0.79 J
Dibenz(a,h)anthracene	18.4	0.13J	0.41J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.24J	0.74J	0.46J	0.41J	0.42 J	0.73 J	0.87 J	0.84 J	0.27 J	0.35 J	0.46 J	0.62 J
Di-n-octylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	122	0.63J	2.1	ND	0.32J	ND	ND	0.17 J	ND	0.23 J	0.21 J	0.38 J	0.54 J
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	109	0.24J	0.71J	ND	ND	ND	ND	ND	ND	ND	ND	0.19 J	0.34 J
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	0.19J	0.56J	ND	0.18J	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	78.5	0.62J	0.99J	ND	0.35J	ND	ND	0.50 J	ND	0.23 J	0.19 J	0.40 J	0.52 J
Pesticides/PCBs (mg/kg)													
4,4'-DDD	0.758	0.031	**2.44**	0.448	0.093	0.070	0.032	0.666	ND	0.085	0.021	0.083	0.016
4,4'-DDE	0.596	0.114	**1.746**	0.463	0.302	0.320	0.095	0.414	0.006	0.337	0.076	0.090	0.130
4,4'-DDT	0.0035	**0.484**	**6.171**	**3.400**	**0.403**	**0.507**	**0.181**	**0.538**	0.003	**0.767**	**0.077**	**0.179**	**0.121**
alpha-Chlordane	0.224	ND	**0.390**	0.03	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	0.005	0.002	ND	**0.007**	ND	0.003	ND	**0.008**	ND	0.005	ND	0.002	ND
gamma-Chlordane	0.224	ND	**0.400**	0.042	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4009.04 B91 (6-12") 10/27/1998	4009.06 B92 (6-12") 10/27/1998	4009.08 B93 (6-12") 10/27/1998	4009.10 B94 (6-12") 10/27/1998	4009.12 B95 (6-12") 10/27/1998	4009.14 B96 (6-12") 10/27/1998	4009.16 B97 (6-12") 10/27/1998	4009.18 B98 (6-12") 10/27/1998	4009.20 B99 (6-12") 10/27/1998	4009.22 B100 (6-12") 10/27/1998	4009.24 B101 (6-12") 10/27/1998	4009.26 B102 (6-12") 10/27/1998
Pesticides/PCBs (mg/kg)													
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	**0.475**	**23.639**	**2.428**	ND	ND	ND	ND	ND	**0.468**	ND	ND	ND
Metals (mg/kg)													
Aluminum	50	**10100**	**10400**	**11300**	**12100**	**8130**	**12500**	**11500**	**7970**	**14100**	**5150**	**10500**	**15700**
Antimony	0.27	ND	ND	**0.490**	**0.770**	**0.302**	ND	ND	ND	**0.685**	**0.362**	ND	ND
Arsenic	9.9	**20.8**	**15.8**	**23.3**	**19.8**	**12.3**	**19.4**	**10.2**	4.60	**14.1**	7.22	**15.4**	**13.4**
Barium	283	73.7	120	214	45.8	103	69.8	61.6	24.0	182	96.0	97.0	29.4
Beryllium	10	1.3	1.92	1.17	1.60	1.06	2.01	1.37	1.24	2.17	1.06	1.07	2.52
Cadmium	0.36	**0.583**	**3.80**	**0.827**	0.128	**0.658**	**0.951**	0.310	0.178	**3.18**	**0.491**	ND	0.096
Calcium	NAV	1410	1100	431	4310	2650	2060	1110	3060	1850	1290	401	1500
Chromium	0.4	**129**	**142**	**122**	**156**	**95.9**	**160**	**117**	**109**	**184**	**65.7**	**108**	**200**
Cobalt	13	1.99	3.07	2.69	2.51	2.24	3.64	2.69	4.07	4.13	2.52	2.15	5.50
Copper	28	**125**	**195**	**98.6**	12.2	**104**	21.0	11.8	4.24	**134**	**28.5**	23.0	4.58
Iron	NAV	34400	47600	51000	44100	26500	48200	32200	27700	51000	21000	34800	55900
Lead	11	**226**	**293**	**187**	**127**	**119**	**30.2**	**21.7**	9.54	**162**	**214**	**399**	**11.9**
Magnesium	NAV	3880	4450	3920	5280	3100	6190	3970	3710	6800	2080	3100	8570
Manganese	220	105	34.2	34.0	32.7	190	43.3	62.2	11.8	48.1	34.7	21.9	24.3
Mercury	0.00051	**0.697**	**3.81**	**0.408**	**0.135**	**0.082**	**0.232**	**0.131**	**0.036**	**1.50**	**0.238**	**0.176**	**0.021**
Nickel	30	7.43	12.1	13.8	7.75	6.20	13.5	8.16	15.8	13.0	9.17	6.24	16.3
Potassium	NAV	7100	9940	8900	10100	5020	13500	8000	9930	15500	4660	6010	20900
Selenium	0.21	**1.00**	**1.59**	**1.11**	**0.994**	**0.773**	**0.845**	**0.747**	ND	**1.26**	**0.693**	**1.24**	ND
Silver	2	1.36	**12.2**	1.81	ND	ND	0.783	ND	ND	**15.2**	ND	ND	ND
Sodium	NAV	148	178	382	126	125	158	131	139	245	104	129	148
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**42.0**	**43.5**	**52.9**	**42.3**	**32.9**	**35.2**	**43.2**	**12.2**	**54.8**	**21.4**	**50.1**	**34.9**
Zinc	8.5	**167**	**178**	**132**	**84.1**	**350**	**190**	**105**	**104**	**204**	130	**88.9**	**133**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4009.28 B103 (6-12") 10/27/1998	4009.30 B104 (6-12") 10/27/1998	4024.02 B105 (6-12") 11/2/1998	4024.04 B106 (6-12") 11/2/1998	4024.06 B107 (6-12") 11/2/1998	4024.08 B108 (6-12") 11/2/1998	4024.10 B109 (6-12") 11/2/1998	4024.12 B110 (6-12") 11/2/1998	4024.14 B111 (6-12") 11/2/1998	4024.16 B112 (6-12") 11/2/1998	4024.18 B113 (6-12") 11/2/1998	4024.20 B114 (6-12") 11/2/1998
Semi-Volatiles (mg/kg)													
1,4-Dichlorobenzene	20	ND	ND	ND	ND	ND	ND	0.50 J	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1480	ND	ND	ND	ND	ND	ND	ND	0.3 J	ND	ND	ND	0.12 J
Benzidine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	5.21	0.19 J	ND	ND	ND	ND	0.2 J	ND	3.7	ND	ND	ND	2.1
Benzo(a)pyrene	1.52	0.22 J	ND	ND	ND	ND	ND	ND	**6.1**	ND	ND	ND	**3.3**
Benzo(b)fluoranthene	59.8	0.20 J	0.16 J	ND	ND	ND	ND	ND	6.7	ND	ND	ND	3.6
Benzo(g,h,I)perylene	119	ND	ND	ND	ND	ND	ND	ND	2.7	ND	ND	ND	2.0
Benzo(k)fluoranthene	148	0.20 J	0.16 J	ND	ND	ND	ND	ND	3.9	ND	ND	ND	2.2
Benzoic Acid	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl alcohol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	ND	ND	ND	ND	0.36 J	ND	ND	ND	ND	ND	ND	ND
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	0.33 J	ND	ND	ND	ND	0.28 J	ND	**7.5**	ND	ND	ND	4.1
Dibenz(a,h)anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND	0.95 J
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.72 J	0.78 J	0.20 J	0.62 J	0.52 J	0.21 J	0.44 J	0.69 J	0.39 J	0.52 J	0.14 J	1.1 J
Di-n-octylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	122	0.24 J	0.20 J	ND	ND	ND	0.36 J	ND	5.0	ND	0.21 J	ND	2.2
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	109	ND	ND	ND	ND	ND	ND	ND	2.7	ND	ND	ND	1.9
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	ND	ND	ND	ND	ND	1.4	ND	ND	ND	0.86 J
Pyrene	78.5	0.25 J	0.19 J	ND	ND	ND	0.39 J	ND	5.1	ND	0.23 J	ND	2.3
Pesticides/PCBs (mg/kg)													
4,4'-DDD	0.758	0.004	0.049	0.618	0.022	0.029	0.012	0.061	0.048	0.022	0.047	ND	0.05
4,4'-DDE	0.596	0.046	0.272	**0.809**	0.115	0.044	0.069	0.028	0.369	0.055	0.182	0.011	0.194
4,4'-DDT	0.0035	**0.028**	**0.263**	**0.867**	**0.209**	**0.105**	**0.097**	**0.042**	**0.655**	**0.083**	**0.324**	**0.017**	**0.369**
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	**0.389**	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	**0.063**	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	0.005	ND	ND	**0.007**	ND	ND	ND	ND	0.002	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	**0.386**	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	0.003	**0.058**	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	0.033	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4009.28 B103 (6-12") 10/27/1998	4009.30 B104 (6-12") 10/27/1998	4024.02 B105 (6-12") 11/2/1998	4024.04 B106 (6-12") 11/2/1998	4024.06 B107 (6-12") 11/2/1998	4024.08 B108 (6-12") 11/2/1998	4024.10 B109 (6-12") 11/2/1998	4024.12 B110 (6-12") 11/2/1998	4024.14 B111 (6-12") 11/2/1998	4024.16 B112 (6-12") 11/2/1998	4024.18 B113 (6-12") 11/2/1998	4024.20 B114 (6-12") 11/2/1998
Pesticides/PCBs (mg/kg)													
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)													
Aluminum	50	**6380**	**7030**	**13600**	**7230**	**6840**	**6340**	**15500**	**7520**	**6420**	**15700**	**4830**	**18600**
Antimony	0.27	ND	ND	ND	**0.370**	**1.34**	**0.439**	ND	**0.318**	**0.622**	ND	ND	ND
Arsenic	9.9	**18.5**	4.96	**11.9**	**13.0**	**10.6**	**10.2**	**12.6**	**11.2**	**13.4**	**17.3**	4.59	**26.1**
Barium	283	45.6	43.0	68.9	41.1	88.3	34.1	**327**	73.0	34.6	45.7	54.7	232
Beryllium	10	0.998	1.10	1.56	1.18	1.47	1.07	1.85	1.46	1.10	2.44	0.712	3.18
Cadmium	0.36	0.128	0.177	ND	0.284	**0.487**	0.168	0.123	0.235	0.156	0.267	0.197	**0.817**
Calcium	NAV	1230	1760	333	2080	871	1800	578	2150	1880	2490	528	3190
Chromium	0.4	**89.9**	**105**	**140**	**87.3**	**74.9**	**91.6**	**163**	**95.0**	**90.0**	**194**	**33.6**	**202**
Cobalt	13	2.61	2.63	2.14	2.88	3.95	3.17	2.39	3.24	1.68	4.52	2.10	5.12
Copper	28	3.15	11.8	13.5	11.0	**357**	6.07	**30.8**	13.8	23.4	12.0	21.1	**38.9**
Iron	NAV	25400	27800	40500	27000	70100	26000	42300	32500	36300	58400	10300	73500
Lead	11	**26.7**	**11.1**	**23.5**	**79.0**	**515**	**12.4**	**119**	**96.9**	**454**	**25.4**	**17.8**	**779**
Magnesium	NAV	2660	3330	4760	2930	2340	3000	5300	2990	2830	8370	1120	8790
Manganese	220	19.7	13.2	22.1	43.7	140	17.6	16.7	**4650**	32.7	34.6	38.2	83.2
Mercury	0.00051	**0.024**	**0.056**	**0.061**	**0.032**	**16.1**	**0.083**	**0.068**	**0.065**	**0.159**	**0.128**	**0.062**	**0.286**
Nickel	30	6.05	12.6	6.31	8.52	20.5	8.93	7.16	8.42	5.62	11.7	10.2	16.6
Potassium	NAV	6300	8480	9490	5450	5690	6990	11900	6720	5890	19700	2630	21500
Selenium	0.21	ND	ND	**1.16**	**0.731**	**1.17**	ND	**1.07**	**0.415**	**1.04**	**1.02**	**1.08**	**0.877**
Silver	2	ND	ND	ND	ND	**43.2**	ND	**7.83**	ND	ND	ND	ND	ND
Sodium	NAV	85.1	116	164	198	144	103	204	97.3	204	210	209	198
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**11.5**	**12.9**	**61.2**	**23.0**	**26.8**	**14.4**	**56.4**	**24.4**	**26.6**	**43.8**	**20.8**	**70.7**
Zinc	8.5	**82.3**	**101**	**59.1**	**109**	**393**	**98.5**	**63.4**	**172**	**94.6**	**121**	**28.4**	**480**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4024.22 B115 (6-12") 11/2/1998	4024.24 B116 (6-12") 11/2/1998	4024.26 B117 (6-12") 11/2/1998	4024.28 B118 (6-12") 11/2/1998	4024.30 B119 (6-12") 11/2/1998	4027.02 B120 (6-12") 11/3/1998	4027.04 B121 (6-12") 11/3/1998	4027.06 B122 (6-12") 11/3/1998	4027.08 B123 (6-12") 11/3/1998	4027.10 B124 (6-12") 11/3/1998	4027.12 B125 (6-12") 11/3/1998	4027.14 B126 (6-12") 11/3/1998	4027.16 B127 (6-12") 11/3/1998
Semi-Volatiles (mg/kg)														
1,4-Dichlorobenzene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	0.25 J	ND	ND	ND	ND	ND	ND	ND
Anthracene	1480	ND	ND	ND	ND	ND	0.61 J	0.29 J	0.15 J	ND	ND	ND	ND	ND
Benzidine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	5.21	ND	1.3	ND	ND	0.31 J	2.3	1.7	0.55 J	0.52 J	ND	ND	0.24 J	ND
Benzo(a)pyrene	1.52	ND	**2.1**	ND	ND	0.34 J	**2.0**	**2.2**	0.34 J	0.49 J	ND	ND	0.23 J	ND
Benzo(b)fluoranthene	59.8	ND	2.4	ND	ND	0.35 J	2.1	3	0.23 J	0.41 J	ND	ND	0.26 J	ND
Benzo(g,h,I)perylene	119	ND	1.2	ND	ND	ND	0.62 J	0.88 J	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	148	ND	1.7	ND	ND	0.32 J	1.9	2.3	0.34 J	0.58 J	ND	ND	0.27 J	ND
Benzoic Acid	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl alcohol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	ND	ND	**1.0 J**	ND	ND	ND	ND	ND	ND	**22**	ND	0.26 J	ND
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	ND	3.0	ND	ND	0.55 J	3.6	3.5	1.0 J	0.77 J	ND	ND	0.50 J	ND
Dibenz(a,h)anthracene	18.4	ND	0.50 J	ND	ND	ND	0.36 J	0.42 J	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.45 J	0.18 J	0.33 J	0.49 J	0.66 J	0.51 J	0.81 J	0.19 J	0.17 J	0.22 J	0.50 J	0.24 J	0.15 J
Di-n-octylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	122	ND	1.8	0.20 J	ND	0.45 J	6.0	2.1	0.83 J	0.29 J	ND	ND	0.53 J	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	109	ND	1.2	ND	ND	ND	0.73 J	0.95 J	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	0.44 J	0.19 J	ND	0.22 J	3.2	0.36 J	1.2	ND	ND	ND	0.28 J	ND
Pyrene	78.5	ND	1.9	0.21 J	ND	0.45 J	5.0	2.8	1.5	0.36 J	ND	ND	0.5 J	ND
Pesticides/PCBs (mg/kg)														
4,4'-DDD	0.758	0.022	0.138	0.243	0.009	0.324	0.067	0.073	0.077	0.052	0.046	0.032	0.301	0.187
4,4'-DDE	0.596	0.247	0.585	0.298	0.008	**1.648**	0.10	0.31	0.169	0.023	0.097	0.053	0.241	0.148
4,4'-DDT	0.0035	**0.292**	**0.759**	**0.236**	**0.008**	**1.29**	**0.467**	**0.469**	**0.217**	**0.084**	**0.262**	**0.078**	**0.269**	**0.042**
alpha-Chlordane	0.224	0.046	ND	ND	ND	0.004	0.003	ND	0.006	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	0.005	0.002	0.005	ND	ND	**0.014**	ND	**0.006**	ND	ND	ND	ND	**0.007**	0.004
gamma-Chlordane	0.224	0.042	ND	ND	ND	0.006	0.005	ND	0.006	ND	ND	ND	ND	ND
Heptachlor	0.00598	0.003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4024.22 B115 (6-12") 11/2/1998	4024.24 B116 (6-12") 11/2/1998	4024.26 B117 (6-12") 11/2/1998	4024.28 B118 (6-12") 11/2/1998	4024.30 B119 (6-12") 11/2/1998	4027.02 B120 (6-12") 11/3/1998	4027.04 B121 (6-12") 11/3/1998	4027.06 B122 (6-12") 11/3/1998	4027.08 B123 (6-12") 11/3/1998	4027.10 B124 (6-12") 11/3/1998	4027.12 B125 (6-12") 11/3/1998	4027.14 B126 (6-12") 11/3/1998	4027.16 B127 (6-12") 11/3/1998
Pesticides/PCBs (mg/kg)														
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)														
Aluminum	50	**5710**	**7270**	**4250**	**2220**	**5020**	**4850**	**5740**	**7550**	**10500**	**4270**	**3620**	**6830**	**6730**
Antimony	0.27	**0.471**	ND	ND	**0.517**	ND	ND	**0.361**	ND	ND	ND	ND	**0.599**	ND
Arsenic	9.9	7.25	5.09	4.90	3.68	7.22	7.52	6.28	7.81	**11.1**	4.00	**21.3**	**11.5**	9.16
Barium	283	182	59.2	98.1	65.8	59.2	38.3	143	37.9	39.4	163	76.1	129	86.3
Beryllium	10	0.976	1.70	0.654	0.360	0.965	0.486	0.730	0.843	1.03	0.46	0.557	0.923	0.776
Cadmium	0.36	**0.520**	0.300	0.139	**0.505**	0.276	0.326	**0.411**	0.156	0.163	0.198	0.126	**0.375**	0.116
Calcium	NAV	1260	876	1020	247	2170	2290	2410	894	1090	3640	1780	1810	1810
Chromium	0.4	**48.0**	**48.9**	**20.8**	**12.2**	**38.3**	**35.7**	**37.8**	**71.1**	**97.3**	**6.11**	**58.5**	**39.6**	**67.9**
Cobalt	13	2.70	4.75	2.37	2.28	5.20	4.35	2.98	1.54	2.36	2.42	1.10	4.08	1.55
Copper	28	**50.7**	**35.4**	**44.4**	**36.5**	28.0	**56.9**	**53.3**	10.0	7.36	14.1	7.91	**56.2**	6.24
Iron	NAV	17200	13800	9560	10800	13100	14000	15300	23200	28400	3510	14800	13600	21500
Lead	11	**241**	**74.7**	**96.6**	**27.2**	**52.7**	**239**	**85.4**	**16.3**	10.1	**13.8**	10.8	**101**	**42.1**
Magnesium	NAV	1770	1740	656	137	1600	2010	1530	2340	2980	382	1510	1170	1950
Manganese	220	22.4	21.5	14.2	16.4	65.0	51.1	34.6	26.2	56.2	19.6	22.3	19.7	18.8
Mercury	0.00051	**0.097**	**0.300**	**0.772**	**0.219**	**16.199**	**0.187**	**0.450**	**0.089**	**0.031**	**0.552**	**0.031**	**0.331**	**0.104**
Nickel	30	10.1	18.2	8.73	7.87	13.2	11.3	11.8	5.74	6.17	7.94	4.32	15.3	4.11
Potassium	NAV	3570	5090	1650	371	3030	2550	3920	3920	5000	451	3000	2860	3460
Selenium	0.21	**1.34**	**0.799**	**1.53**	**1.64**	**1.23**	**0.656**	**0.799**	**0.524**	**0.735**	ND	**1.79**	**4.29**	**1.26**
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	259	206	156	133	138	343	174	258	89	203	131	223	81.6
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**29.2**	**25.5**	**21.9**	**14.0**	**20.7**	**36.8**	**24.2**	**29.6**	**39.5**	**11.6**	**14.3**	**30.4**	**29.2**
Zinc	8.5	**150**	**105**	**27.4**	**19.7**	**81.4**	**105**	**80.2**	**49.3**	**50.2**	**62.9**	**47.1**	**78.3**	**36.6**

See Notes at End of Table

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4027.18 B128 (6-12") 11/3/1998	4027.20 B129 (6-12") 11/3/1998	4027.22 B130 (6-12") 11/3/1998	4027.24 B131 (6-12") 11/3/1998	4027.26 B132 (6-12") 11/3/1998	4027.28 B133 (6-12") 11/3/1998	4027.30 B134 (6-12") 11/3/1998	4030.02 B135 (6-12") 11/4/1998	4030.04 B136 (6-12") 11/4/1998	4030.06 B137 (6-12") 11/4/1998	4030.08 B138 (6-12") 11/4/1998	4030.10 B139 (6-12") 11/4/1998	4030.12 B140 (6-12") 11/4/1998
Semi-Volatiles (mg/kg)														
1,4-Dichlorobenzene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5 J	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.57 J	ND	ND	0.27 J
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1480	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.7	ND	ND	0.99 J
Benzidine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	5.21	0.38 J	ND	ND	ND	0.23 J	ND	ND	ND	ND	2.9	ND	ND	1.8
Benzo(a)pyrene	1.52	0.44 J	ND	ND	ND	ND	ND	ND	ND	ND	**2.5**	ND	ND	**1.6**
Benzo(b)fluoranthene	59.8	0.67 J	ND	ND	ND	0.30 J	ND	ND	ND	ND	2.4	ND	ND	1.5
Benzo(g,h,I)perylene	119	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.85 J	ND	ND	0.71 J
Benzo(k)fluoranthene	148	0.55 J	ND	ND	ND	0.30 J	ND	ND	ND	ND	2.1	ND	ND	1.4
Benzoic Acid	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl alcohol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	0.77 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	1.1	ND	ND	ND	0.56 J	ND	ND	ND	ND	4.1	ND	ND	2.6
Dibenz(a,h)anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5 J	ND	ND	0.26 J
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.65 J	0.99 J	0.65 J	0.38 J	0.77 J	1.2	0.75 J	1.1 J	0.20 J	0.39 J	0.58 J	0.31 J	0.39 J
Di-n-octylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	122	0.93 J	ND	ND	ND	0.65 J	ND	ND	ND	ND	7.4	0.21 J	ND	5.4
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.64 J	ND	ND	0.31 J
Indeno(1,2,3-cd)pyrene	109	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.95 J	ND	ND	0.72 J
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	0.34 J	ND	ND	ND	0.31 J	ND	ND	ND	ND	7.8	ND	ND	4.1
Pyrene	78.5	0.88 J	ND	ND	ND	0.67 J	ND	ND	ND	ND	6.3	ND	ND	5.3
Pesticides/PCBs (mg/kg)														
4,4'-DDD	0.758	0.341	0.051	0.027	0.141	0.129	0.214	**2.612**	0.095	0.065	0.163	0.063	0.088	0.052
4,4'-DDE	0.596	0.63	0.193	0.026	0.009	0.26	0.531	**6.677**	0.244	0.025	0.099	0.340	0.278	0.032
4,4'-DDT	0.0035	**0.723**	**0.420**	**0.019**	**0.045**	**0.493**	**0.868**	**10.216**	**0.21**	**0.028**	**0.21**	**0.503**	**0.327**	**0.014**
alpha-Chlordane	0.224	0.006	ND	ND	ND	ND	0.003	0.178	0.003	ND	0.058	0.003	0.005	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	0.007	ND	ND	ND	ND	ND	ND
gamma-BHC	0.005	0.022	**0.007**	ND	ND	**0.013**	**0.01**	**0.02**	ND	ND	ND	**0.006**	0.005	ND
gamma-Chlordane	0.224	0.005	ND	ND	ND	ND	0.003	0.197	ND	ND	0.004	ND	0.003	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See Notes at End of Table

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4027.18 B128 (6-12") 11/3/1998	4027.20 B129 (6-12") 11/3/1998	4027.22 B130 (6-12") 11/3/1998	4027.24 B131 (6-12") 11/3/1998	4027.26 B132 (6-12") 11/3/1998	4027.28 B133 (6-12") 11/3/1998	4027.30 B134 (6-12") 11/3/1998	4030.02 B135 (6-12") 11/4/1998	4030.04 B136 (6-12") 11/4/1998	4030.06 B137 (6-12") 11/4/1998	4030.08 B138 (6-12") 11/4/1998	4030.10 B139 (6-12") 11/4/1998	4030.12 B140 (6-12") 11/4/1998
Pesticides/PCBs (mg/kg)														
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)														
Aluminum	50	**12700**	**16600**	**2850**	**9880**	**17300**	**3080**	**6380**	**5410**	**20300**	**15400**	**8420**	**4500**	**4720**
Antimony	0.27	ND	ND	**1.90**	ND	ND	**0.275**	ND	ND	ND	**0.581**	**0.378**	ND	ND
Arsenic	9.9	**15.5**	**37.6**	**75.0**	**14.8**	**21.5**	8.33	**11.8**	6.90	**13.8**	**17.7**	**15.4**	8.43	8.98
Barium	283	98.1	96.3	42.1	55.8	91.1	101	95.3	86.3	30.4	90.2	75.8	114	34.0
Beryllium	10	1.72	2.18	0.760	1.34	1.74	0.842	0.859	1.04	3.18	1.82	1.23	0.622	0.713
Cadmium	0.36	ND	0.074	0.158	0.238	ND	0.177	0.254	0.117	0.117	0.134	0.196	**0.422**	0.276
Calcium	NAV	283	210	924	2340	331	487	1530	1670	2270	789	548	2580	8030
Chromium	0.4	**149**	**200**	**28.5**	**145**	**134**	**26.2**	**81.7**	**39.8**	**39.8**	**138**	**83.4**	**24.8**	**23.1**
Cobalt	13	3.44	3.51	2.03	2.86	3.41	2.09	2.00	2.93	2.93	3.7	3.38	3.26	3.51
Copper	28	**44.6**	26.7	**35.5**	14.8	23.5	**56.7**	**211**	**29.3**	**29.3**	**29.7**	**28.3**	18.5	**170**
Iron	NAV	53400	75600	11000	28800	60500	13400	21000	16600	15900	49300	43100	10400	19000
Lead	11	**193**	**167**	**155**	**89.3**	**95.9**	**69.4**	**48.1**	**86.6**	**86.6**	**297**	**105**	**70.8**	**34.0**
Magnesium	NAV	5530	7320	684	4010	5140	496	2030	1500	1500	5050	2360	806	935
Manganese	220	24.8	22.3	18.2	25.9	26.6	17.7	25.1	34.2	34.2	56.7	24.4	26.5	45.5
Mercury	0.00051	**0.122**	**0.164**	**0.024**	**0.07**	**0.134**	**0.106**	**0.120**	**0.243**	**0.028**	**0.0150**	**0.090**	**0.745**	**0.333**
Nickel	30	10.1	9.88	7.76	9.66	9.88	6.29	7.38	8.36	8.36	10.5	10.4	9.28	10.3
Potassium	NAV	13100	19000	1931	7110	12300	1610	4010	3210	3210	10400	5190	2170	1580
Selenium	0.21	**1.01**	**1.26**	**19.3**	**1.33**	**1.16**	**1.63**	**1.39**	**0.931**	**0.931**	**1.03**	**1.18**	**1.94**	**0.668**
Silver	2	ND	ND	ND	ND	ND	ND	0.548	ND	ND	ND	ND	ND	ND
Sodium	NAV	182	222	135	119	333	137	145	147	147	228	300	290	131
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**65.7**	**101**	**32.0**	**45.4**	**89.4**	**21.8**	**28.0**	**24.9**	**24.9**	**75.9**	**55.7**	**13.3**	**15.5**
Zinc	8.5	**82.9**	**94.2**	**43.2**	**91.2**	**79.7**	**29.5**	**65.6**	**35.6**	**35.6**	**125**	**73.2**	**63.5**	**61.1**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4030.14 B141 (6-12") 11/4/1998	4030.16 B142 (6-12") 11/4/1998	4030.18 B143 (6-12") 11/4/1998	4041.02 B144 (6-12") 11/9/1998	4041.04 B145 (6-12") 11/9/1998	4041.06 B146 (6-12") 11/9/1998	4041.08 B147 (6-12") 11/9/1998	4041.10 B148 (6-12") 11/9/1998	4041.12 B149 (6-12") 11/9/1998	4041.14 B150 (6-12") 11/9/1998	4041.16 B151 (6-12") 11/9/1998	4041.18 B152 (6-12") 11/9/1998	4041.20 B153 (6-12") 11/9/1998
Semi-Volatiles (mg/kg)														
1,4-Dichlorobenzene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.24 J	ND	ND
2-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.28 J
Anthracene	1480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzidine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	5.21	ND	ND	0.28 J	ND	ND	ND	ND	ND	ND	0.78 J	ND	ND	0.45 J
Benzo(a)pyrene	1.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.87 J	ND	ND	0.62 J
Benzo(b)fluoranthene	59.8	ND	ND	0.32 J	ND	ND	ND	ND	ND	ND	0.95 J	ND	ND	0.59 J
Benzo(g,h,I)perylene	119	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.55 J
Benzo(k)fluoranthene	148	ND	ND	0.31 J	ND	ND	ND	ND	ND	ND	0.77 J	ND	ND	0.52 J
Benzoic Acid	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl alcohol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	ND	ND	ND	0.33 J	ND	ND	ND	**1.3 J**	ND	ND	ND	ND	ND
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	ND	ND	0.47 J	ND	ND	ND	ND	ND	ND	1.6	ND	ND	0.81 J
Dibenz(a,h)anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.23 J
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.2 J	0.51 J	0.66 J	0.47 J	1.4	1.4	0.54 J	0.90 J	0.19 J	0.23 J	0.21 J	0.67 J	0.23 J
Di-n-octylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	122	ND	0.17 J	0.40 J	ND	ND	ND	ND	ND	ND	0.90 J	ND	ND	0.49 J
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	109	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.51 J
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.25 J**	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.24 J	0.14 J	ND	0.18 J
Pyrene	78.5	ND	0.32 J	0.46 J	ND	ND	ND	ND	ND	ND	1.0 J	ND	ND	0.57 J
Pesticides/PCBs (mg/kg)														
4,4'-DDD	0.758	0.140	0.066	0.072	0.174	ND	0.010	0.038	0.042	0.081	0.060	0.014	0.018	0.035
4,4'-DDE	0.596	0.020	0.059	0.108	0.063	0.013	0.034	0.034	0.104	0.228	0.415	0.003	0.007	0.03
4,4'-DDT	0.0035	**0.022**	**0.166**	**0.066**	**0.087**	**0.007**	**0.033**	**0.084**	**0.175**	**0.232**	**0.213**	ND	**0.013**	**0.122**
alpha-Chlordane	0.224	ND	0.003	0.004	0.009	ND	ND	ND	ND	ND	0.011	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	0.004	ND	ND	ND	ND	ND	**0.010**	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	0.005	ND	ND	ND	**0.060**	ND	ND	ND	ND	ND	0.003	ND	ND	ND
gamma-Chlordane	0.224	ND	0.003	0.004	0.008	ND	ND	ND	ND	ND	0.008	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4030.14 B141 (6-12") 11/4/1998	4030.16 B142 (6-12") 11/4/1998	4030.18 B143 (6-12") 11/4/1998	4041.02 B144 (6-12") 11/9/1998	4041.04 B145 (6-12") 11/9/1998	4041.06 B146 (6-12") 11/9/1998	4041.08 B147 (6-12") 11/9/1998	4041.10 B148 (6-12") 11/9/1998	4041.12 B149 (6-12") 11/9/1998	4041.14 B150 (6-12") 11/9/1998	4041.16 B151 (6-12") 11/9/1998	4041.18 B152 (6-12") 11/9/1998	4041.20 B153 (6-12") 11/9/1998
Pesticides/PCBs (mg/kg)														
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)														
Aluminum	50	**4790**	**6570**	**5440**	**13700**	**2940**	**12800**	**3390**	**15800**	**18200**	**5670**	**1760**	**5380**	**10500**
Antimony	0.27	ND	ND	ND	**0.383**	**0.565**	ND	**0.722**	ND	**0.538**	**0.388**	**0.551**	**0.689**	ND
Arsenic	9.9	5.73	**11.0**	**10.2**	**10.1**	5.54	**13.4**	**18.6**	**25.3**	**17.5**	8.15	5.08	4.45	**19.4**
Barium	283	189	58.0	72.2	29.3	74.2	133	172	153	37.0	68.3	54.4	63.2	83.4
Beryllium	10	0.488	0.797	0.375	2.23	0.846	1.58	0.61	1.47	2.95	0.395	0.25	0.476	1.03
Cadmium	0.36	0.119	**0.965**	0.083	**0.591**	0.189	**1.28**	0.264	**0.725**	**0.779**	**1.71**	0.259	**0.610**	**0.678**
Calcium	NAV	873	420	280	280	793	1770	372	359	1230	1650	443	1470	1480
Chromium	0.4	**23.4**	**50.8**	**52.0**	**140**	**6.66**	**71.3**	**11.3**	**152**	**186**	**41.3**	**4.10**	**25.3**	**105**
Cobalt	13	2.35	3.32	1.94	2.81	3.05	7.75	2.57	3.26	3.47	3.79	1.79	2.35	2.18
Copper	28	**57.7**	26.2	17.1	3.89	23.1	**36.3**	**126**	23.5	8.34	**28.6**	14.6	**28.6**	25.9
Iron	NAV	9080	23800	22300	53800	4260	20900	6730	68900	70900	10200	1780	8990	51800
Lead	11	**53.1**	**112**	**79.5**	**66.8**	**12.1**	**41.1**	**32.5**	**270**	**167**	**264**	7.52	5.48	**84.6**
Magnesium	NAV	685	1420	1140	7020	173	2000	257	5250	9650	1410	123	1300	3370
Manganese	220	18.1	17.8	18.4	16.5	12.9	44.1	18.2	31.2	58.9	37.3	7.78	17.3	33.6
Mercury	0.00051	**0.079**	**0.088**	**0.098**	**0.037**	**0.024**	**0.117**	**0.048**	**0.145**	**0.057**	**18.3**	**0.509**	**0.077**	**0.101**
Nickel	30	8.48	10.2	6.60	7.65	10.3	23.2	9.31	9.70	9.73	10.2	6.04	6.16	7.80
Potassium	NAV	1520	4130	2360	15300	419	5550	744	12300	22000	1480	213	2120	7190
Selenium	0.21	**1.88**	**1.02**	**1.88**	**0.705**	**0.924**	**1.99**	**1.08**	**1.53**	**1.28**	**0.838**	**2.22**	**0.438**	**1.44**
Silver	2	1.20	ND	ND	ND	ND	ND	0.750	ND	ND	**2.10**	ND	ND	ND
Sodium	NAV	518	249	342	133	106	544	253	733	419	213	114	189	567
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**14.6**	**31.5**	**25.0**	**41.3**	**15.5**	**47.6**	**19.9**	**92.2**	**67**	**21.9**	**9.96**	**14.4**	**61.9**
Zinc	8.5	**39.3**	**61.3**	**42.7**	**106**	**23.1**	**74.4**	**21.1**	**88.6**	**115**	**162**	**19.1**	**98.0**	**75.3**

See Notes at End of Table

Table A-2
Soil Sampling Results
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4041.22 B154 (6-12") 11/9/1998	4041.24 B155 (6-12") 11/9/1998	4041.26 B156 (6-12") 11/9/1998	4041.28 B157 (6-12") 11/9/1998	4041.30 B158 (6-12") 11/9/1998	4046.02 B159 (6-12") 11/10/1998	4046.04 B160 (6-12") 11/10/1998	4046.06 B161 (6-12") 11/10/1998	4046.08 B162 (6-12") 11/10/1998	4046.10 B163 (6-12") 11/10/1998	4046.12 B164 (6-12") 11/10/1998	4046.14 B165 (6-12") 11/10/1998	4046.16 B166 (6-12") 11/10/1998
Semi-Volatiles (mg/kg)														
1,4-Dichlorobenzene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	0.19 J	0.19 J	ND	ND	ND	ND	ND	ND	ND
Anthracene	1480	ND	0.41 J	0.72 J	ND	0.15 J	0.14 J	ND	ND	ND	ND	ND	ND	ND
Benzidine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	5.21	ND	0.87 J	2.4	ND	0.9 J	0.68 J	ND	ND	ND	ND	ND	ND	0.44 J
Benzo(a)pyrene	1.52	ND	0.63 J	**1.8**	ND	1.2	0.69 J	ND	ND	ND	ND	ND	ND	0.37 J
Benzo(b)fluoranthene	59.8	ND	0.57 J	1.7	ND	1.1	0.58 J	ND	ND	ND	ND	ND	ND	0.41 J
Benzo(g,h,I)perylene	119	ND	ND	0.66 J	ND	ND	0.57 J	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	148	ND	0.59 J	1.5	ND	1.3	0.67 J	ND	ND	ND	ND	ND	ND	0.41 J
Benzoic Acid	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl alcohol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	ND	1.3	3.8	ND	1.7	1.1	ND	ND	ND	ND	ND	ND	0.76 J
Dibenz(a,h)anthracene	18.4	ND	ND	0.35 J	ND	ND	0.2 J	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	2	0.67 J	0.2 J	0.53 J	0.87 J	0.26 J	0.61 J	0.33 J	0.47 J	ND	ND	0.16 J	0.6 J
Di-n-octylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	122	0.15 J	2.2	6.0	ND	1.4	1.1	ND	ND	ND	ND	ND	ND	0.7 J
Fluorene	122	ND	0.17 J	0.24 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	109	ND	0.34 J	0.74 J	ND	ND	0.49 J	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	2.1	3.7	ND	0.5 J	0.51 J	ND	ND	ND	ND	ND	ND	0.27 J
Pyrene	78.5	0.16 J	1.5	4.2	ND	2.1	1.0 J	ND	ND	ND	ND	ND	ND	0.66 J
Pesticides/PCBs (mg/kg)														
4,4'-DDD	0.758	0.058	0.056	0.116	0.024	0.052	0.369	0.042	0.456	0.044	0.076	0.019	0.039	0.071
4,4'-DDE	0.596	0.051	0.152	0.098	0.014	0.023	0.145	ND	0.178	0.093	0.348	0.017	0.021	0.02
4,4'-DDT	0.0035	**0.127**	**0.083**	**0.059**	**0.012**	**0.063**	**0.204**	**0.106**	**0.423**	**0.053**	**0.487**	**0.014**	**0.018**	**0.053**
alpha-Chlordane	0.224	0.003	ND	ND	ND	ND	ND	ND	0.037	0.010	0.037	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	**0.36**	ND	ND	ND	ND	ND	ND
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.012**	ND	ND	ND
gamma-Chlordane	0.224	0.003	ND	ND	ND	0.003	ND	ND	0.019	ND	0.030	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See Notes at End of Table

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4041.22 B154 (6-12") 11/9/1998	4041.24 B155 (6-12") 11/9/1998	4041.26 B156 (6-12") 11/9/1998	4041.28 B157 (6-12") 11/9/1998	4041.30 B158 (6-12") 11/9/1998	4046.02 B159 (6-12") 11/10/1998	4046.04 B160 (6-12") 11/10/1998	4046.06 B161 (6-12") 11/10/1998	4046.08 B162 (6-12") 11/10/1998	4046.10 B163 (6-12") 11/10/1998	4046.12 B164 (6-12") 11/10/1998	4046.14 B165 (6-12") 11/10/1998	4046.16 B166 (6-12") 11/10/1998
Pesticides/PCBs (mg/kg)														
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)														
Aluminum	50	**11300**	**17200**	**5270**	**2740**	**6910**	**16800**	**7770**	**18200**	**7790**	**6620**	**10800**	**9470**	**12700**
Antimony	0.27	**1.01**	**0.559**	ND	**0.473**	ND	ND	**4.37**	**0.381**	**1.59**	ND	ND	ND	ND
Arsenic	9.9	**34.2**	**19.6**	5.90	5.39	8.85	**24.3**	**26.0**	**16.3**	**63.3**	9.71	**27.9**	**13.8**	**16**
Barium	283	176	57.9	35.2	46.9	43.0	70.2	**849**	111	124	42.3	44.6	59.1	48.8
Beryllium	10	1.55	2.56	0.383	0.456	0.583	1.55	0.619	1.28	0.73	0.721	0.72	0.732	1.39
Cadmium	0.36	**1.32**	**0.828**	**0.450**	0.198	**1.01**	**0.481**	**31.5**	**0.693**	**0.41**	**0.411**	**0.402**	**0.461**	0.274
Calcium	NAV	3150	5180	21200	752	4070	540	7000	8230	590	1260	1670	2100	1040
Chromium	0.4	**69.8**	**193**	**30.3**	**8.43**	**42.5**	**144**	**367**	**159**	**47.7**	**56.4**	**85.3**	**78.5**	**122**
Cobalt	13	**14.8**	4.85	1.39	1.70	5.98	2.8	**18.1**	3.27	2.14	2.01	1.42	1.45	2.15
Copper	28	**193**	24.3	19.7	**37.3**	**38.2**	**55.6**	**495**	**31.8**	**88.1**	20.6	14.0	**120**	26.0
Iron	NAV	35900	63400	10500	5310	22700	60500	34100	31600	13800	20400	28400	17200	39100
Lead	11	**162**	**133**	**31.5**	**87.6**	**261**	**93.2**	**2580**	**480**	**238**	**47.4**	**24.1**	**61.4**	**62.9**
Magnesium	NAV	1980	8180	1990	187	3230	5700	2880	4390	1260	1820	2610	2250	4400
Manganese	220	173	80.9	55.8	6.73	122	27.6	ND	69.1	20.9	40.9	43.2	41.3	31.8
Mercury	0.00051	**0.61**	**0.213**	**0.070**	**0.086**	**0.062**	**0.073**	**0.115**	**0.605**	**0.114**	**0.063**	**0.033**	**0.369**	**0.062**
Nickel	30	25.2	12.0	4.93	6.93	12.0	11.9	**44.2**	14.0	7.52	5.88	3.99	5.02	6.26
Potassium	NAV	5070	18700	2230	390	34.7	13300	1360	7320	2950	4450	5150	3150	8840
Selenium	0.21	**2.23**	**1.23**	**0.59**	**0.833**	**0.552**	**1.25**	**13.4**	**1.03**	**8.52**	**0.903**	**0.924**	**0.775**	**1.02**
Silver	2	1.93	ND	ND	ND	ND	ND	ND	ND	1.27	ND	ND	ND	ND
Sodium	NAV	265	175	106	109	278	413	473	354	222	111	217	91.2	314
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**49.7**	**55.1**	**22.5**	**14.6**	**55.1**	**90.7**	**45.6**	**102**	**32.1**	**34.2**	**43.0**	**33.2**	**68.1**
Zinc	8.5	**557**	**141**	**45.4**	**38.4**	**112**	**81.6**	**31900**	**269**	**67.4**	**100**	**83.7**	**231**	**74.7**

See Notes at End of Table

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4046.18 B167 (6-12") 11/10/1998	4046.20 B168 (6-12") 11/10/1998	4046.22 B169 (6-12") 11/10/1998	4046.24 B170 (6-12") 11/10/1998	4046.26 B171 (6-12") 11/10/1998	4046.28 B172 (6-12") 11/10/1998	4046.30 B173 (6-12") 11/10/1998	4058.02 B175 (6-12") 11/16/1998	4058.04 B176 (6-12") 11/16/1998	4058.06 B177 (6-12") 11/16/1998	4058.08 B178 (6-12") 11/16/1998	4058.10 B179 (6-12") 11/16/1998	4058.12 B180 (6-12") 11/16/1998
Semi-Volatiles (mg/kg)														
1,4-Dichlorobenzene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzidine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	5.21	ND	ND	ND	ND	0.58 J	ND	0.31 J	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	1.52	ND	ND	ND	ND	0.74 J	ND	0.31 J	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	59.8	ND	ND	ND	ND	0.81 J	ND	0.29 J	ND	ND	ND	ND	ND	ND
Benzo(g,h,I)perylene	119	ND	ND	ND	ND	0.35 J	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	148	ND	ND	ND	ND	0.58 J	ND	0.26 J	ND	ND	ND	ND	ND	ND
Benzoic Acid	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl alcohol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	ND	**2.6**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	ND	ND	ND	ND	0.96 J	ND	0.53 J	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	1.8	0.55 J	ND	ND	0.45 J	0.39	ND	0.56 J	0.28 J	ND	ND	12	0.23 J
Di-n-octylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	122	0.36 J	ND	ND	ND	0.93 J	ND	0.41 J	ND	ND	ND	ND	0.39 J	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	109	ND	ND	ND	ND	0.34 J	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	ND	ND	0.23 J	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	78.5	0.37 J	ND	ND	ND	1.0	ND	0.42 J	ND	ND	ND	ND	0.41 J	ND
Pesticides/PCBs (mg/kg)														
4,4'-DDD	0.758	0.191	ND	ND	0.029	0.092	0.063	0.092	0.183	ND	0.102	0.069	0.103	0.072
4,4'-DDE	0.596	0.026	0.005	0.01	0.083	0.04	0.136	0.039	0.132	0.006	0.012	0.009	0.082	0.134
4,4'-DDT	0.0035	**0.044**	ND	ND	**0.061**	**0.048**	**0.123**	**0.024**	**0.471**	ND	ND	**0.014**	**0.156**	**0.158**
alpha-Chlordane	0.224	0.014	ND	ND	ND	ND	ND	ND	0.012	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	**0.144**	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	0.010	ND	ND	ND	ND	ND	ND	0.007	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4046.18 B167 (6-12") 11/10/1998	4046.20 B168 (6-12") 11/10/1998	4046.22 B169 (6-12") 11/10/1998	4046.24 B170 (6-12") 11/10/1998	4046.26 B171 (6-12") 11/10/1998	4046.28 B172 (6-12") 11/10/1998	4046.30 B173 (6-12") 11/10/1998	4058.02 B175 (6-12") 11/16/1998	4058.04 B176 (6-12") 11/16/1998	4058.06 B177 (6-12") 11/16/1998	4058.08 B178 (6-12") 11/16/1998	4058.10 B179 (6-12") 11/16/1998	4058.12 B180 (6-12") 11/16/1998
Pesticides/PCBs (mg/kg)														
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)														
Aluminum	50	**33200**	**17700**	**11600**	**11000**	**6310**	**11100**	**15800**	**8880**	**10100**	**2240**	**5820**	**7980**	**9090**
Antimony	0.27	**11.4**	ND	ND	ND	**0.448**	ND	**1.11**	**0.540**	ND	**0.357**	**0.450**	ND	ND
Arsenic	9.9	**81.6**	**13.1**	**10.5**	**15.9**	7.35	**15.3**	**25.2**	8.45	9.40	7.22	8.76	**12.4**	**11.5**
Barium	283	164	38.5	41.8	34.5	55.8	59.9	83.5	73.1	41.5	44.5	68.7	33.4	33.2
Beryllium	10	2.12	3.04	1.29	1.03	0.631	1.20	1.59	1.32	1.13	0.403	0.437	0.886	1.21
Cadmium	0.36	**0.449**	0.28	0.215	0.286	**0.447**	**0.370**	**0.653**	0.329	0.326	**0.402**	0.171	**0.604**	0.27
Calcium	NAV	435	247	930	1630	2080	1590	445	405	1000	840	672	947	693
Chromium	0.4	**231**	**197**	**98.7**	**105**	**64.6**	**113**	**145**	**109**	**83.1**	**5.51**	**9.02**	**90.4**	**90.1**
Cobalt	13	5.25	3.25	2.40	1.53	2.35	1.97	2.53	1.27	1.72	2.32	2.33	2.32	1.99
Copper	28	**32.6**	3.00	**51.9**	**32.7**	**40.3**	11.6	25.1	2.92	4.95	12.4	18.3	22.4	7.85
Iron	NAV	77200	64900	32400	26100	17900	43400	67000	32000	28100	4040	6170	24400	34000
Lead	11	**2550**	4.78	**11.2**	**29.6**	**109**	**32.5**	**191**	**54.5**	**13.1**	7.34	**14.5**	**73**	**21.2**
Magnesium	NAV	8330	8920	3660	3290	2110	4400	5800	3760	3000	138	263	2860	3180
Manganese	220	41.5	30.8	68.6	45.7	34.2	47.3	23.2	17.6	53.4	6.5	9.75	83.0	38.8
Mercury	0.00051	**0.421**	**0.025**	**0.035**	**0.083**	**0.087**	**0.060**	**0.075**	**0.026**	**0.030**	**0.026**	**0.025**	**0.033**	**0.076**
Nickel	30	14.9	7.92	7.46	4.60	6.74	6.46	8.62	3.87	6.63	7.16	7.05	5.36	8.19
Potassium	NAV	16500	20300	5850	5260	3110	8580	14400	6720	4560	333	786	46.5	5950
Selenium	0.21	**3.26**	**0.941**	**1.08**	**1.00**	**0.708**	**1.12**	**1.92**	**0.613**	**0.789**	**1.00**	**0.868**	**1.05**	**0.775**
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**15.0**	ND	ND
Sodium	NAV	351	163	85.5	348	338	315	492	265	203	146	248	264	200
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**162**	**59.7**	**41.1**	**48.6**	**42.5**	**56.7**	**94.9**	**29.4**	**34.5**	**10.1**	**14.6**	**45.7**	**46.0**
Zinc	8.5	**134**	**97.9**	**57.7**	**75.6**	**143**	**71.8**	**80.9**	**66.7**	**68.6**	**77.0**	**23.3**	**90.9**	**68.2**

See Notes at End of Table

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Soil Sampling Results
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4058.14 B181 (6-12") 11/16/1998	4058.16 B182 (6-12") 11/16/1998	4058.18 B183 (6-12") 11/16/1998	4058.20 B184 (6-12") 11/16/1998	4058.22 B185 (6-12") 11/16/1998	4058.24 B186 (6-12") 11/16/1998	4058.26 B187 (6-12") 11/16/1998	4058.28 B188 (6-12") 11/16/1998	4058.30 B189 (6-12") 11/16/1998	4067.02 B190 (6-12") 11/17/1998	4067.04 B191 (6-12") 11/17/1998	4067.06 B192 (6-12") 11/17/1998	4067.08 B193 (6-12") 11/17/1998
Semi-Volatiles (mg/kg)														
1,4-Dichlorobenzene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1480	ND	0.35 J	ND	ND	0.30 J	ND	ND	ND	ND	ND	ND	ND	0.27 J
Benzidine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	5.21	ND	0.75 J	ND	ND	ND	0.46 J	0.19 J	ND	0.17 J	ND	ND	0.22 J	0.42 J
Benzo(a)pyrene	1.52	ND	0.34 J	ND	ND	ND	0.57 J	0.15 J	ND	0.20 J	ND	ND	0.26 J	0.4 J
Benzo(b)fluoranthene	59.8	ND	0.34 J	ND	ND	ND	0.46 J	0.17 J	ND	0.15 J	ND	ND	0.25 J	0.69 J
Benzo(g,h,I)perylene	119	ND	ND	ND	ND	ND	0.35 J	ND	ND	ND	ND	ND	0.12 J	0.18 J
Benzo(k)fluoranthene	148	ND	0.36 J	ND	ND	ND	0.54 J	0.20 J	ND	0.20 J	ND	ND	0.24 J	0.57 J
Benzoic Acid	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl alcohol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	ND	ND	ND	ND	ND	0.17 J	ND	ND	ND	0.14 J	0.13 J	0.21 J	0.14 J
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	ND	1.2	ND	ND	ND	0.74 J	0.38 J	ND	0.28 J	ND	ND	0.37 J	1.1 J
Dibenz(a,h)anthracene	18.4	ND	ND	ND	ND	ND	0.29 J	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	4.4	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.65 J	0.7 J	1.1 J	1.3	0.23 J	1.5	0.69 J	1.5	0.34 J	0.63 J	0.63 J	1.2	0.83 J
Di-n-octylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	122	0.19 J	3.2	ND	ND	0.30 J	0.62 J	0.51 J	ND	0.27 J	ND	ND	ND	0.79 J
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	109	ND	ND	ND	ND	ND	0.40 J	ND	ND	ND	ND	ND	0.15 J	0.23 J
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	1.7	ND	0.21 J	0.30 J	0.22 J	0.47 J	ND	ND	ND	ND	0.20 J	0.49 J
Pyrene	78.5	0.22 J	1.6	ND	ND	0.34 J	0.65 J	0.48 J	ND	0.30 J	ND	ND	0.42 J	0.82 J
Pesticides/PCBs (mg/kg)														
4,4'-DDD	0.758	0.108	0.506	0.010	0.104	0.085	0.033	0.070	0.040	0.042	0.007	0.074	0.088	0.116
4,4'-DDE	0.596	0.078	0.554	0.009	0.034	0.094	0.027	0.321	0.073	0.031	0.024	0.273	0.121	0.347
4,4'-DDT	0.0035	**0.112**	**0.677**	ND	**0.03**	**0.052**	**0.049**	**0.172**	**0.092**	**0.121**	**0.013**	**0.054**	**0.155**	**0.056**
alpha-Chlordane	0.224	ND	0.043	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	**0.016**	ND	**0.042**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	0.044	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	0.007	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4058.14 B181 (6-12") 11/16/1998	4058.16 B182 (6-12") 11/16/1998	4058.18 B183 (6-12") 11/16/1998	4058.20 B184 (6-12") 11/16/1998	4058.22 B185 (6-12") 11/16/1998	4058.24 B186 (6-12") 11/16/1998	4058.26 B187 (6-12") 11/16/1998	4058.28 B188 (6-12") 11/16/1998	4058.30 B189 (6-12") 11/16/1998	4067.02 B190 (6-12") 11/17/1998	4067.04 B191 (6-12") 11/17/1998	4067.06 B192 (6-12") 11/17/1998	4067.08 B193 (6-12") 11/17/1998
Pesticides/PCBs (mg/kg)														
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)														
Aluminum	50	**9020**	**4960**	**15700**	**3090**	**14900**	**11900**	**16900**	**9290**	**10400**	**14000**	**10700**	**11100**	**10100**
Antimony	0.27	ND	**0.353**	ND	**0.622**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	9.9	**11.9**	4.35	**13.0**	5.88	**12.7**	**12.8**	**13.7**	6.44	**10.7**	**13.4**	9.76	**12.0**	**13.0**
Barium	283	44.2	88.5	42.5	78.0	49.5	34.2	51.0	42.2	46.4	27.1	37.9	37.2	25.9
Beryllium	10	0.933	0.277	1.81	0.504	1.65	1.25	1.84	1.32	1.06	1.59	1.21	1.22	1.35
Cadmium	0.36	0.266	**0.779**	0.248	0.281	0.221	0.145	0.327	0.204	0.221	0.117	0.202	**0.651**	0.343
Calcium	NAV	300	3400	1440	973	1500	726	1640	263	1200	896	1500	1810	1000
Chromium	0.4	**99.1**	**24.7**	**148**	**16.1**	**131**	**129**	**140**	**107**	**114**	**145**	**92.2**	**117**	**114**
Cobalt	13	1.51	2.61	2.46	3.28	2.22	1.44	2.80	0.858	1.18	1.85	1.90	3.22	1.8
Copper	28	16.4	**155**	3.95	**44.7**	9.74	4.78	8.74	1.94	6.94	4.92	7.83	25.9	10.7
Iron	NAV	36100	12100	45900	4320	40700	33800	49500	29600	27100	41600	29400	34600	40100
Lead	11	**52.6**	**97.5**	8.27	**59.9**	**21.2**	5.6	**23.1**	3.01	**16.2**	9.83	**24.5**	**50.0**	**34.3**
Magnesium	NAV	3260	1340	6040	388	5420	4070	5700	3710	3610	5310	3490	4040	3510
Manganese	220	20.4	53.2	65.9	16.0	57.5	32.7	100	21.1	24.2	39.2	60	130	37.1
Mercury	0.00051	**0.155**	**0.103**	**0.026**	**0.750**	**0.066**	**0.058**	**0.027**	ND	**0.034**	ND	**0.049**	**0.050**	**0.059**
Nickel	30	5.48	6.75	6.99	9.84	7.61	4.84	9.96	3.02	5.47	5.30	7.16	7.36	6.58
Potassium	NAV	6280	1490	13600	823	11300	7460	11500	6290	6100	11400	5880	7350	6420
Selenium	0.21	**1.05**	**0.584**	**1.25**	**1.33**	**0.978**	**0.933**	**0.965**	**0.570**	**1.14**	**0.913**	**0.825**	**0.799**	**1.09**
Silver	2	ND	0.715	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	190	198	240	135	185	104	203	110	103	134	133	177	162
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**48.3**	**19.1**	**62.3**	**17.0**	**67.2**	**39.3**	**72.3**	**28.4**	**40.9**	**51.2**	**43.1**	**60.1**	**55.1**
Zinc	8.5	**56.6**	**183**	**61.5**	**21.7**	**73.2**	**48.2**	**77.4**	**71.5**	**47.9**	**52.3**	**60.3**	**85.9**	**66.8**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4067.10 B194 (6-12") 11/17/1998	4067.12 B195 (6-12") 11/17/1998	4067.14 B196 (6-12") 11/17/1998	4067.16 B197 (6-12") 11/17/1998	4067.18 B198 (6-12") 11/17/1998	4067.20 B199 (6-12") 11/17/1998	4067.22 B200 (6-12") 11/17/1998	4067.24 B201 (6-12") 11/17/1998	4067.26 B202 (6-12") 11/17/1998	4067.28 B203 (6-12") 11/17/1998	4067.30 B204 (6-12") 11/17/1998	4068.02 B205 (6-12") 11/18/1998
Semi-Volatiles (mg/kg)													
1,4-Dichlorobenzene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	ND	0.14 J	0.40 J	0.52 J	ND	ND	ND	1.6	ND	ND	ND	ND
2-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	0.14 J	0.6 J	2.0	ND	ND	ND	4.1	ND	ND	ND	ND
Acenaphthylene	682	0.34 J	0.24 J	0.26 J	0.30 J	ND	ND	ND	0.66 J	ND	ND	ND	ND
Anthracene	1480	0.39 J	0.7 J	1.3	4.3	0.28 J	ND	0.16 J	7.5	ND	ND	ND	ND
Benzidine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	5.21	1.5	2.6	2.6	**10**	0.18 J	0.17 J	0.20 J	**20 JD**	0.39 J	ND	ND	ND
Benzo(a)pyrene	1.52	**1.8**	**2.6**	**2.5**	**8.6**	0.14 J	0.11 J	0.16 J	**12.8**	0.41 J	ND	ND	ND
Benzo(b)fluoranthene	59.8	1.3	2.5	2.3	10	ND	ND	ND	14 JD	ND	ND	ND	ND
Benzo(g,h,I)perylene	119	0.66 J	0.86 J	0.87 J	3.0	ND	ND	ND	4.2	ND	ND	ND	ND
Benzo(k)fluoranthene	148	1.6	1.9	1.6	3.1	0.19 J	0.15 J	0.16 J	3.7	0.39 J	ND	ND	ND
Benzoic Acid	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl alcohol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	ND	ND	ND	ND	**1.1**	0.18 J	ND	ND	ND	0.16 J	ND	ND
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	2.3	3.2	2.9	**12**	0.32 J	0.37 J	0.29 J	**28 D**	0.62 J	ND	ND	ND
Dibenz(a,h)anthracene	18.4	0.43 J	0.54 J	0.55 J	3.0	ND	ND	ND	3.1	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	0.52 J	1.3	ND	ND	ND	3.5	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.4 J	0.24 J	0.16 J	ND	0.43 J	5.6	0.81 J	ND	0.42 J	1.0 J	1.2	ND
Di-n-octylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	122	2.5	3.9	4.0	12	0.46 J	0.37 J	0.54 J	0.41 J	0.83 J	ND	ND	ND
Fluorene	122	ND	0.18 J	0.91 J	2.7	ND	ND	ND	5.1	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	109	0.82 J	1.2	1.1	4.5	ND	ND	ND	6.2	0.14 J	ND	ND	ND
Naphthalene	0.0994	**0.22 J**	**0.21 J**	**0.57 J**	**0.53 J**	ND	ND	ND	**1.8**	ND	ND	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	1.3	2.0	3.3	9.6	0.29 J	0.46 J	0.61 J	43 D	0.37 J	ND	ND	ND
Pyrene	78.5	2.6	3.8	4.1	ND	0.40 J	0.52 J	0.43 J	40 D	0.76 J	ND	ND	ND
Pesticides/PCBs (mg/kg)													
4,4'-DDD	0.758	0.095	0.103	0.542	0.183	0.067	0.077	ND	0.474	0.084	0.073	0.012	0.026
4,4'-DDE	0.596	0.041	0.026	0.071	0.024	0.066	0.141	ND	0.039	0.045	0.316	0.045	0.103
4,4'-DDT	0.0035	**0.119**	**0.030**	**0.125**	**0.052**	**0.044**	**0.155**	ND	**0.132**	**0.096**	**0.578**	**0.052**	**0.041**
alpha-Chlordane	0.224	0.013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	0.028	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	0.016	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4067.10 B194 (6-12") 11/17/1998	4067.12 B195 (6-12") 11/17/1998	4067.14 B196 (6-12") 11/17/1998	4067.16 B197 (6-12") 11/17/1998	4067.18 B198 (6-12") 11/17/1998	4067.20 B199 (6-12") 11/17/1998	4067.22 B200 (6-12") 11/17/1998	4067.24 B201 (6-12") 11/17/1998	4067.26 B202 (6-12") 11/17/1998	4067.28 B203 (6-12") 11/17/1998	4067.30 B204 (6-12") 11/17/1998	4068.02 B205 (6-12") 11/18/1998
Pesticides/PCBs (mg/kg)													
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)													
Aluminum	50	**10300**	**3700**	**8200**	**11200**	**14600**	**9150**	**8050**	**10400**	**11800**	**10500**	**8240**	**13100**
Antimony	0.27	ND	**0.617**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	9.9	8.59	**15.8**	**10.3**	9.31	**16.3**	**10.6**	5.61	7.15	**11.3**	9.51	**21.2**	**17.9**
Barium	283	59.1	131	44.6	71.5	50.0	31.7	53.5	69.2	36.5	28.0	27.0	31.7
Beryllium	10	1.40	0.706	1.14	1.53	1.60	1.09	1.10	1.36	1.29	1.11	0.874	1.48
Cadmium	0.36	**0.706**	**0.416**	**0.450**	0.327	**0.441**	0.354	0.333	0.306	0.241	0.175	**0.467**	**0.589**
Calcium	NAV	3220	1870	3310	16400	1850	434	781	19300	990	516	1380	1290
Chromium	0.4	**126**	**14.8**	**88.5**	**68.3**	**140**	**89.5**	**99.3**	**49.4**	**102**	**112**	**77.4**	**128**
Cobalt	13	1.1	3.29	3.22	3.06	2.38	1.54	0.822	2.3	2.08	1.23	1.58	2.21
Copper	28	2.94	**34.4**	**29.9**	26.2	10.7	8.63	1.84	14.3	4.00	4.90	5.73	6.40
Iron	NAV	35200	8750	24900	19900	41600	29300	25900	16000	33600	28800	23200	39200
Lead	11	7.50	**16.8**	**34.8**	**35.5**	**25.6**	**20.1**	3.07	**27.2**	10.4	6.44	**20.2**	**17.8**
Magnesium	NAV	5310	644	3500	5790	5450	2960	3280	7830	4000	3660	3090	5030
Manganese	220	42.0	23.6	48.2	155	58.6	36.1	29.3	**234**	53.4	33.9	40.6	35.5
Mercury	0.00051	**0.022**	**0.362**	**0.065**	**0.04**	**0.065**	**0.055**	ND	**0.054**	**0.044**	**0.042**	**0.026**	**0.077**
Nickel	30	4.12	8.62	7.93	7.83	7.62	5.31	2.77	4.58	6.06	4.41	4.65	6.26
Potassium	NAV	8110	1090	6150	5260	11700	5460	5290	4480	7110	7060	4670	9700
Selenium	0.21	**0.616**	**1.19**	**1.14**	**0.797**	**1.24**	**0.959**	**0.505**	**0.704**	**0.802**	**1.27**	**0.819**	**0.753**
Silver	2	ND	ND	1.20	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	113	181	142	392	198	173	116	409	119	128	164	111
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**37.3**	**18.9**	**30.8**	**30.1**	**61.5**	**39.1**	**29.5**	**25.2**	**43.9**	**39.1**	**42.3**	**64.2**
Zinc	8.5	**74.1**	**49.5**	**98.5**	**81.2**	**75.5**	**54.9**	**38.5**	**70.5**	**48.6**	**41.2**	**43.6**	**57.8**

Notes:
Exceedances of Eco-SSL soil criteria are bold and shaded.
ESC = Ecological Screening Criteria (see Section 3.3)
mg/kg = milligrams per kilogram
ND = Not Detected
NAV = No Available Value
E = Value exceeded linear range.
J = Estimated Value: Mass spectrometer and retention time data indicate the presence of the analyte, however the result is less than the method detection limit, but greater than zero.

Table A-3
Soil Sampling Results
M-4 Landfill Site
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3396.01 B01 (6-12") 3/9/1998	3396.03 B02 (6-12") 3/9/1998	3396.05 B03 (6-12") 3/9/1998	3398.01 B04 (6-12") 3/10/1998	3398.03 B05 (6-12") 3/10/1998	3398.05 B06 (6-12") 3/10/1998	3398.07 B07 (6-12") 3/10/1998	3398.09 B08 (6-12") 3/10/1998	3398.11 B09 (6-12") 3/10/1998	3398.13 B10 (6-12") 3/10/1998
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	0.18J	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	1.8	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.11J
Anthracene	1,480	0.081J	ND	ND	ND	ND	ND	ND	ND	1.8	ND
Benzo[a]anthracene	5.21	0.86	0.055J	ND	ND	ND	ND	ND	ND	3.7	0.23J
Benzo[a]pyrene	1.52	1.0	0.14J	0.076J	ND	ND	ND	ND	ND	**3.5**	0.32J
Benzo[b]fluoranthene	59.8	0.74	0.075J	0.058J	ND	ND	ND	ND	ND	4.0	0.17J
Benzo[g,h,i]perylene	119	0.52J	0.096J	ND	ND	ND	ND	ND	ND	1.6	ND
Benzo[k]fluoranthene	148	0.82	0.094J	0.070J	ND	ND	0.059J	ND	ND	2.1	0.21J
bis(2-Ethylhexyl)phthalate	0.925	ND	0.064J	0.060J	0.061J	0.23J	0.056J	0.062J	0.062J	0.073J	0.074J
Chrysene	4.73	1.4	0.092J	0.065J	ND	0.058J	0.085J	ND	ND	4.6	0.46J
Dibenz[a,h]anthracene	18.4	0.20J	ND	ND	ND	ND	ND	ND	ND	0.69	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	0.54J	ND
Diethylphthalate	100	ND	0.059J	ND	ND	0.054J	ND	ND	ND	0.077J	0.11J
Di-n-butylphthalate	200	0.24J	0.9	0.56	0.38J	0.50J	0.22J	0.53J	0.64	0.47J	0.69
Fluoranthene	122	1.1	ND	ND	ND	ND	0.086J	ND	ND	6.6	0.30J
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	1.0	ND
Indeno[1,2,3-cd]pyrene	109	0.52J	0.11J	ND	ND	ND	ND	ND	ND	1.9	0.22J
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	**0.77**	0.056J
Phenanthrene	45.7	0.36J	ND	ND	ND	ND	ND	ND	ND	6.3	0.20J
Pyrene	78.5	1.1	ND	ND	ND	ND	0.090J	ND	ND	6.2	0.49J
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	ND	0.040	0.040	0.043	ND	0.038	ND	ND	ND	0.051
4,4'-DDE	0.596	0.093	0.213	0.162	0.105	0.042	0.190	0.008	0.007	0.024	0.199
4,4'-DDT	0.0035	**0.168**	**0.035**	**0.034**	**0.034**	**0.041**	**0.059**	ND	**0.005**	**0.061**	**0.059**
Endosulfan II	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See Notes at End of Table

Table A-3
Soil Sampling Results
M-4 Landfill Site
Fort Monmouth, New Jersey
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3396.01 B01 (6-12") 3/9/1998	3396.03 B02 (6-12") 3/9/1998	3396.05 B03 (6-12") 3/9/1998	3398.01 B04 (6-12") 3/10/1998	3398.03 B05 (6-12") 3/10/1998	3398.05 B06 (6-12") 3/10/1998	3398.07 B07 (6-12") 3/10/1998	3398.09 B08 (6-12") 3/10/1998	3398.11 B09 (6-12") 3/10/1998	3398.13 B10 (6-12") 3/10/1998
Metals (mg/kg)											
Aluminum	50	**9445**	**10130**	**14020**	**12760**	**15930**	**13620**	**8828**	**6435**	**11800**	**13140**
Antimony	0.27	**1.284**	**1.466**	**2.225**	**1.300**	**1.356**	**1.956**	**1.481**	**0.756**	**1.886**	**2.156**
Arsenic	9.9	**12.96**	**12.27**	**22.31**	7.751	9.701	**12.05**	8.095	4.872	**15.67**	**16.23**
Barium	283	25.37	45.01	49.94	31.31	39.96	46.71	26.00	16.94	42.69	45.05
Beryllium	10	0.8537	1.014	1.678	0.8095	1.061	1.202	1.007	0.4497	1.473	1.485
Cadmium	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	NAV	1214	1870	2000	1030	1347	1590	1174	684.7	1695	1761
Chromium	0.4	**75.85**	**83.52**	**129**	**68.88**	**85.85**	**98.45**	**75.95**	**36.55**	**113.7**	**112.6**
Cobalt	13	1.315	1.765	2.714	1.734	2.150	2.312	1.325	1.100	2.041	2.579
Copper	28	6.873	6.473	10.75	4.954	5.973	7.537	4.121	4.341	6.824	19.79
Iron	NAV	23260	27010	41270	24520	29380	30740	24800	12860	36160	35790
Lead	11	**35.59**	**20.29**	**22.22**	9.185	**11.77**	**17.06**	8.044	**16.24**	**22.24**	**35.74**
Magnesium	NAV	2528	2808	5079	2548	3319	3804	2717	1223	4547	4495
Manganese	220	35.52	36.78	56.29	27.33	33.97	51.08	36.11	23.54	47.22	59.79
Mercury	0.00051	**0.063**	**0.042**	**0.05**	**0.0335**	**0.0329**	**0.0489**	**0.0282**	**0.0195**	**0.0716**	**0.0362**
Nickel	30	4.741	5.959	8.751	5.768	7.245	7.622	5.251	3.712	7.444	8.450
Potassium	NAV	7070	5790	11410	5828	7789	8158	7498	3267	9890	10310
Selenium	0.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	46.39	37.39	66.26	114.1	81.27	84.97	39.76	39.17	205.3	188.0
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**34.02**	**31.28**	**50.05**	**40.86**	**49.68**	**49.62**	**35.85**	**23.22**	**46.84**	**46.94**
Zinc	8.5	**31.28**	**47.69**	**67.57**	**29.65**	**37.72**	**50.75**	**34.03**	**25.78**	**56.89**	**78.94**

See Notes at End of Table

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Soil Sampling Results
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3398.15 B11 (6-12") 3/10/1998	3398.17 B12 (6-12") 3/10/1998	3399.01 B13 (6-12") 3/11/1998	3399.03 B14 (6-12") 3/11/1998	3399.05 B15 (6-12") 3/11/1998	3399.07 B16 (6-12") 3/11/1998	3399.09 B17 (6-12") 3/11/1998	3399.11 B18 (6-12") 3/11/1998	3399.13 B19 (6-12") 3/11/1998	3399.15 B20 (6-12") 3/11/1998
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	0.088J	ND	ND	ND	ND	0.17J	0.42J	ND
4-Methylphenol	NAV	ND	ND	0.13J	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	ND	ND	ND	ND	ND	ND	ND	0.12J	ND
Benzo[a]anthracene	5.21	0.11J	0.25J	0.23J	0.13J	ND	0.076J	ND	ND	0.36J	ND
Benzo[a]pyrene	1.52	0.15J	ND	0.21J	0.12J	ND	ND	ND	ND	0.66	ND
Benzo[b]fluoranthene	59.8	0.10J	0.069J	0.25J	0.14J	ND	ND	ND	ND	0.42J	ND
Benzo[g,h,i]perylene	119	0.080J	ND	0.19J	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	148	0.087J	0.23J	0.21J	0.099J	ND	0.066J	0.11J	ND	0.67	ND
bis(2-Ethylhexyl)phthalate	0.925	ND	0.11J	0.13J	0.098J	0.096J	0.12J	**1.0**	0.35J	0.12J	**10.54**
Chrysene	4.73	0.18J	0.35J	0.49J	0.2J	0.069J	0.13J	0.18J	ND	1.2	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	0.13J	ND
Diethylphthalate	100	0.060J	0.16J	ND	ND	0.080J	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.28J	0.63	0.55J	0.46J	0.56J	0.22J	0.2J	0.66J	0.2J	ND
Fluoranthene	122	0.17J	0.20J	0.46J	0.21J	0.064J	0.11J	0.081J	0.22J	0.87	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	0.10J	ND	0.21J	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	**0.12J**	ND	ND	ND	ND	**0.2J**	**0.47J**	ND
Phenanthrene	45.7	0.10J	0.14J	0.25J	0.13J	ND	0.080J	0.063J	0.18J	0.8	ND
Pyrene	78.5	0.18J	0.32J	0.48J	0.22J	0.075J	0.18J	0.14J	0.42J	1.2	ND
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	0.036	0.086	0.066	ND	0.001	0.003	0.017	0.015	ND	ND
4,4'-DDE	0.596	0.061	0.081	0.155	0.031	0.017	0.033	0.037	0.037	ND	ND
4,4'-DDT	0.0035	**0.042**	**0.119**	**0.026**	**0.026**	**0.013**	**0.033**	**0.052**	**0.026**	ND	ND
Endosulfan II	NAV	ND	ND	ND	0.008	ND	0.010	ND	ND	ND	ND

See Notes at End of Table

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3398.15 B11 (6-12") 3/10/1998	3398.17 B12 (6-12") 3/10/1998	3399.01 B13 (6-12") 3/11/1998	3399.03 B14 (6-12") 3/11/1998	3399.05 B15 (6-12") 3/11/1998	3399.07 B16 (6-12") 3/11/1998	3399.09 B17 (6-12") 3/11/1998	3399.11 B18 (6-12") 3/11/1998	3399.13 B19 (6-12") 3/11/1998	3399.15 B20 (6-12") 3/11/1998
Metals (mg/kg)											
Aluminum	50	**10280**	**14860**	**17930**	**12960**	**7229**	**8273**	**13460**	**13460**	**8262**	**7344**
Antimony	0.27	**1.487**	**2.553**	**2.457**	**1.765**	**1.491**	**1.377**	**0.776**	**0.776**	**0.847**	**0.67**
Arsenic	9.9	9.697	**25.22**	**20.03**	**18.43**	**11.68**	**12.41**	**12.59**	**12.59**	**10.61**	6.726
Barium	283	34.90	63.22	55.32	47.54	19.55	24.96	41.70	41.70	40.88	45.11
Beryllium	10	1.044	1.920	1.821	1.605	0.7984	0.9890	0.9412	0.9412	0.8540	0.6179
Cadmium	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	NAV	1504	1687	2946	2186	1330	1452	5545	5545	1839	1676
Chromium	0.4	**81.99**	**150.9**	**150.0**	**121.9**	**81.31**	**85.01**	**130.8**	**74.84**	**55.22**	**38.05**
Cobalt	13	1.681	2.807	3.356	3.055	1.300	1.480	3.081	9.285	3.730	3.196
Copper	28	10.83	14.31	18.94	7.179	7.592	9.626	10.83	**52.39**	**51.16**	**62.67**
Iron	NAV	26750	46460	46470	38660	23250	26930	43610	31470	20450	16430
Lead	11	**21.95**	**33.22**	**39.36**	**18.69**	**14.15**	**17.01**	**19.65**	**22.60**	**34.72**	**39.07**
Magnesium	NAV	2983	5838	6329	4893	2557	3033	5496	6310	2152	1674
Manganese	220	42.69	73.85	74.08	156.8	27.25	28.77	67.37	152.6	63.23	75.38
Mercury	0.00051	**0.0352**	**0.0441**	**0.055**	**0.040**	**0.039**	**0.05**	**0.08**	**0.024**	**0.041**	**0.048**
Nickel	30	6.448	10.20	11.07	9.405	4.537	5.372	9.741	28.74	9.756	8.264
Potassium	NAV	6338	14310	13970	10620	5417	6613	12940	8285	5453	3717
Selenium	0.21	ND	ND	ND	ND	ND	ND	**0.726**	ND	ND	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	90.27	202.3	218.9	79.45	47.50	87.05	140.7	634.1	28.88	151.5
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**42.37**	**52.96**	**74.26**	**48.97**	**56.55**	**49.97**	**50.45**	**133.4**	**32.32**	**31.83**
Zinc	8.5	**47.55**	**90.04**	**91.33**	**67.23**	**44.11**	**43.34**	**70.58**	**63.70**	**134.5**	**50.75**

See Notes at End of Table

Table A-3
Soil Sampling Results
M-4 Landfill Site
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3399.17 B21 (6-12") 3/11/1998	3399.19 B22 (6-12") 3/11/1998	3399.21 B23 (6-12") 3/11/1998	3399.23 B24 (6-12") 3/11/1998	3399.25 B25 (6-12") 3/11/1998	3399.27 B26 (6-12") 3/11/1998	3399.31 B27 (6-12") 3/11/1998	3399.33 B28 (6-12") 3/11/1998	3399.35 B29 (6-12") 3/11/1998
Semi-Volatiles (mg/kg)										
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	0.064J	ND	ND	ND	ND	ND
Anthracene	1,480	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	0.16J	0.3J	0.11J	0.2J	ND	0.093J	ND	ND	ND
Benzo[a]pyrene	1.52	0.25J	0.39J	ND	0.23J	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	59.8	0.16J	0.3J	0.091J	0.13J	ND	0.067J	ND	ND	ND
Benzo[g,h,i]perylene	119	0.15J	ND	ND	0.16J	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	148	0.16J	0.23J	0.16J	0.29J	ND	0.1J	ND	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	0.11J	0.15J	0.18J	0.17J	0.04	0.1J	**1900**	**8000**	**9000**
Chrysene	4.73	0.36J	0.58	0.21J	0.46J	0.74J	0.16J	ND	ND	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	0.21J	ND	0.061J	0.33J	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.81	0.28J	0.61	0.48J	1.2J	0.24J	1.3J	ND	ND
Fluoranthene	122	0.26J	0.5J	0.15J	0.36J	0.66J	0.16J	ND	ND	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	0.17J	ND	ND	0.16J	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	0.18J	0.2J	0.11J	0.42J	ND	0.097J	ND	ND	ND
Pyrene	78.5	0.34J	0.57	0.26J	0.63	1.0J	0.19J	ND	ND	ND
Pesticides/PCBs (mg/kg)										
4,4'-DDD	0.758	ND	ND	0.112	0.102	0.111	0.033	0.573	0.054	0.055
4,4'-DDE	0.596	0.025	0.075	0.134	0.277	0.283	0.080	**1.035**	0.130	0.086
4,4'-DDT	0.0035	**0.022**	**0.036**	**0.052**	**0.123**	**0.103**	**0.045**	**0.547**	**0.086**	**0.088**
Endosulfan II	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND

See Notes at End of Table

Table A-3
Soil Sampling Results
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3399.17 B21 (6-12") 3/11/1998	3399.19 B22 (6-12") 3/11/1998	3399.21 B23 (6-12") 3/11/1998	3399.23 B24 (6-12") 3/11/1998	3399.25 B25 (6-12") 3/11/1998	3399.27 B26 (6-12") 3/11/1998	3399.31 B27 (6-12") 3/11/1998	3399.33 B28 (6-12") 3/11/1998	3399.35 B29 (6-12") 3/11/1998
Metals (mg/kg)										
Aluminum	50	**75543**	**9030**	**9257**	**7754**	**4361**	**6896**	**10810**	**7635**	**13440**
Antimony	0.27	**0.698**	**1.354**	**1.174**	**0.921**	**0.390**	**0.966**	**1.420**	**1.050**	**2.608**
Arsenic	9.9	**11.04**	**14.00**	9.005	9.278	7.189	7.951	**17.79**	**16.85**	**21.71**
Barium	283	44.59	50.84	38.00	31.85	25.04	30.98	42.18	39.21	54.77
Beryllium	10	0.7675	0.9173	0.9090	0.7427	0.4093	0.7361	1.280	0.8306	1.723
Cadmium	0.36	ND	ND	ND	ND	0.1351	ND	ND	ND	ND
Calcium	NAV	1537	2283	1903	2489	9215	1605	2457	2145	2145
Chromium	0.4	**55.85**	**60.23**	**69.83**	**51.79**	**26.49**	**56.79**	**86.69**	**1897**	**122.0**
Cobalt	13	2.363	4.181	1.860	2.002	1.213	1.151	2.435	2.653	2.948
Copper	28	26.96	**31.60**	12.13	20.36	14.38	5.834	8.497	14.05	11.58
Iron	NAV	20310	25640	22440	19070	11760	18300	30440	20890	40280
Lead	11	**51.26**	**47.79**	**43.17**	**63.28**	**51.80**	**19.55**	**22.79**	**31.10**	**20.23**
Magnesium	NAV	2046	2142	2827	2555	5489	1858	3446	2238	5081
Manganese	220	37.95	63.45	38.96	54.66	48.92	38.55	66.40	55.25	55.22
Mercury	0.00051	**0.086**	**0.074**	**0.096**	**0.042**	**0.067**	**0.090**	**0.053**	**0.034**	**0.025**
Nickel	30	7.841	9.726	6.028	7.847	4.677	4.796	8.798	7.342	9.403
Potassium	NAV	6382	5928	6039	5748	51.80	4429	7038	6111	10820
Selenium	0.21	**0.663**	ND	**0.286**	ND	**0.685**	ND	ND	**0.508**	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	118.4	85.07	94.95	87.82	49.99	119.1	57.86	92.32	89.84
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**26.24**	**41.16**	**36.50**	**28.90**	**16.66**	**21.57**	**30.35**	**24.73**	**33.62**
Zinc	8.5	**44.38**	**96.52**	**87.61**	**89.06**	**52.40**	**40.01**	**70.01**	**56.38**	**67.11**

See Notes at End of Table

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3403.01 B30 (6-12") 3/12/1998	3403.03 B31 (6-12") 3/12/1998	3403.05 B32 (6-12") 3/12/1998	3403.07 B33 (6-12") 3/12/1998	3403.09 B34 (6-12") 3/12/1998	3403.11 B35 (6-12") 3/12/1998	3403.13 B36 (6-12") 3/12/1998	3403.15 B37 (6-12") 3/12/1998	3403.17 B38 (6-12") 3/12/1998
Semi-Volatiles (mg/kg)										
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	ND	0.18J	0.073J	0.059J	ND	ND	0.18J	ND
Benzo[a]pyrene	1.52	ND	ND	0.16J	0.090J	0.064J	ND	ND	0.21J	ND
Benzo[b]fluoranthene	59.8	ND	ND	0.11J	ND	ND	ND	ND	0.16J	ND
Benzo[g,h,i]perylene	119	ND	ND	0.12J	0.084J	0.063J	ND	ND	0.18J	ND
Benzo[k]fluoranthene	148	ND	ND	0.13J	0.056J	ND	ND	ND	0.17J	ND
bis(2-Ethylhexyl)phthalate	0.925	**3300**	**1500**	0.12J	0.081J	0.077J	0.16J	ND	0.51J	ND
Chrysene	4.73	ND	ND	0.22J	0.11J	0.094J	0.048J	0.75J	0.29J	ND
Dibenz[a,h]anthracene	18.4	ND	ND	0.095J	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	ND	ND	0.057J	ND	0.35J	0.57J	ND	0.47J	0.89J
Fluoranthene	122	ND	ND	0.37J	0.1J	0.11J	ND	0.9J	0.28J	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	0.13J	0.086J	0.062J	ND	ND	0.17J	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	0.12J	0.088J	ND	ND	0.61J	0.17J	ND
Pyrene	78.5	ND	ND	0.26J	0.11J	0.079J	0.061J	0.84J	0.32J	ND
Pesticides/PCBs (mg/kg)										
4,4'-DDD	0.758	0.024	0.102	0.018	0.004	0.007	ND	0.156	0.029	0.039
4,4'-DDE	0.596	0.022	0.174	0.069	0.008	0.03	0.012	0.192	0.063	0.030
4,4'-DDT	0.0035	**0.017**	**0.128**	**0.049**	**0.029**	**0.013**	**0.011**	**0.283**	**0.023**	**0.048**
Endosulfan II	NAV	ND	ND	ND	ND	ND	0.003	0.008	ND	0.005

See Notes at End of Table

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3403.01 B30 (6-12") 3/12/1998	3403.03 B31 (6-12") 3/12/1998	3403.05 B32 (6-12") 3/12/1998	3403.07 B33 (6-12") 3/12/1998	3403.09 B34 (6-12") 3/12/1998	3403.11 B35 (6-12") 3/12/1998	3403.13 B36 (6-12") 3/12/1998	3403.15 B37 (6-12") 3/12/1998	3403.17 B38 (6-12") 3/12/1998
Metals (mg/kg)										
Aluminum	50	**7129**	**5509**	**4760**	**5664**	**12240**	**2508**	**7563**	**6754**	**8838**
Antimony	0.27	**2.353**	**0.551**	**0.646**	**0.743**	**25.19**	**0.664**	**1.208**	**0.833**	**1.929**
Arsenic	9.9	**20.51**	**10.38**	6.695	5.212	**266.0**	4.936	9.209	**10.74**	**12.98**
Barium	283	54.33	29.39	29.77	17.11	**301.5**	7.602	26.61	27.70	31.15
Beryllium	10	0.6548	0.6454	0.4611	0.3167	7.534	0.2595	0.7587	0.5435	1.130
Cadmium	0.36	ND	ND	ND	ND	**6.102**	ND	ND	ND	ND
Calcium	NAV	7643	1709	1515	783.2	1745	670.8	1964	2653	2564
Chromium	0.4	**142.4**	**41.66**	**29.77**	**35.60**	**108.7**	**35.96**	**58.00**	**48.97**	**91.27**
Cobalt	13	4.567	1.380	2.401	1.835	**64.74**	0.1813	1.903	3.722	2.600
Copper	28	**257.4**	10.04	18.72	10.46	**60.35**	2.149	20.72	20.27	9.050
Iron	NAV	25140	15760	13530	11490	30970	7532	20600	16810	25710
Lead	11	**57.22**	**21.27**	**43.74**	**12.38**	**104.5**	1.518	**47.86**	**17.31**	**14.93**
Magnesium	NAV	1924	1526	1215	929.2	3453	956.9	2638	3319	3530
Manganese	220	70.63	36.64	48.32	19.63	110.3	4.277	39.28	67.89	83.96
Mercury	0.00051	**0.016**	**0.028**	**0.043**	**0.014**	**0.028**	**0.063**	**0.052**	**0.027**	**0.018**
Nickel	30	13.31	4.738	6.569	3.612	**72.26**	0.9898	6.880	8.189	8.007
Potassium	NAV	3285	3867	2169	1823	6216	2266	6895	4836	6366
Selenium	0.21	**0.423**	ND	ND	ND	**244.4**	ND	ND	**0.311**	ND
Silver	2	ND	ND	ND	ND	**4.833**	ND	ND	ND	ND
Sodium	NAV	165.7	33.10	59.76	138.5	103.4	62.79	59.07	255.5	101.6
Thallium	1	ND	ND	ND	ND	**242.0**	ND	ND	ND	ND
Vanadium	2	**27.55**	**16.43**	**22.35**	**31.98**	**115.6**	**8.127**	**37.76**	**22.69**	**23.09**
Zinc	8.5	**54.09**	**38.48**	**46.20**	**27.11**	**162.8**	**10.73**	**63.19**	**35.78**	**56.88**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3403.19 B39 (6-12") 3/12/1998	3403.21 B40 (6-12") 3/12/1998	3403.23 B41 (6-12") 3/12/1998	3403.25 B42 (6-12") 3/12/1998	3403.27 B43 (6-12") 3/12/1998	3403.29 B44 (6-12") 3/12/1998	3403.31 B45 (6-12") 3/12/1998	3403.33 B46 (6-12") 3/12/1998	3444.01 B47 (6-12") 3/30/1998
Semi-Volatiles (mg/kg)										
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	0.1J	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	0.097J	ND
Anthracene	1,480	0.2J	ND	ND	ND	ND	ND	0.12J	0.099J	0.24J
Benzo[a]anthracene	5.21	0.6	0.067J	0.14J	0.082J	0.12J	ND	0.093J	0.61	1.3
Benzo[a]pyrene	1.52	0.57	0.087J	0.19J	0.1J	0.17J	ND	0.11J	0.75	**1.6**
Benzo[b]fluoranthene	59.8	0.46J	ND	0.13J	0.072J	0.11J	ND	0.071J	0.51J	1.3
Benzo[g,h,i]perylene	119	0.38J	ND	0.13J	ND	0.1J	ND	0.058J	0.35J	1.1
Benzo[k]fluoranthene	148	0.37J	0.1J	0.19J	0.099J	0.17J	ND	0.13J	0.56	1.4
bis(2-Ethylhexyl)phthalate	0.925	0.11J	0.13J	0.089J	0.12J	0.1J	0.072J	0.21J	0.11J	0.17J
Chrysene	4.73	0.77	0.13J	0.27J	0.18J	0.23J	0.063J	0.16J	0.93	1.6
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	0.41J
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.55J	0.49J	0.53J	0.23J	0.62	0.47J	0.26J	0.63	3.7
Fluoranthene	122	1.4	0.12J	0.31J	0.18J	0.29J	0.080J	0.2J	1.2	2.4
Fluorene	122	0.070J	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	0.41J	ND	0.14J	ND	0.11J	ND	ND	0.38J	1.2
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	0.74	0.066J	0.13J	0.11J	0.12J	0.057J	0.12J	0.4J	0.66J
Pyrene	78.5	1.0	0.11J	0.21J	0.15J	0.2J	0.058J	0.14J	0.81	2.1
Pesticides/PCBs (mg/kg)										
4,4'-DDD	0.758	0.032	0.019	0.048	0.033	0.021	0.013	0.017	ND	0.014
4,4'-DDE	0.596	0.070	0.055	0.073	0.101	0.057	0.042	0.043	0.021	0.042
4,4'-DDT	0.0035	**0.011**	**0.023**	**0.044**	**0.046**	**0.023**	**0.020**	**0.023**	**0.019**	**0.035**
Endosulfan II	NAV	ND	ND	0.008	ND	ND	ND	ND	0.011	ND

See Notes at End of Table

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3403.19 B39 (6-12") 3/12/1998	3403.21 B40 (6-12") 3/12/1998	3403.23 B41 (6-12") 3/12/1998	3403.25 B42 (6-12") 3/12/1998	3403.27 B43 (6-12") 3/12/1998	3403.29 B44 (6-12") 3/12/1998	3403.31 B45 (6-12") 3/12/1998	3403.33 B46 (6-12") 3/12/1998	3444.01 B47 (6-12") 3/30/1998
Metals (mg/kg)										
Aluminum	50	**13160**	**9460**	**10070**	**8391**	**12010**	**10240**	**7337**	**7212**	**5794**
Antimony	0.27	**2.093**	**1.873**	**2.145**	**1.314**	**1.621**	**1.587**	**1.320**	**1.344**	**0.649**
Arsenic	9.9	**20.66**	**17.72**	**19.16**	**15.72**	**15.77**	8.882	**10.24**	**11.43**	5.398
Barium	283	58.44	44.43	50.51	35.26	43.89	30.53	30.44	38.98	34.47
Beryllium	10	1.716	1.171	1.279	0.9981	1.275	1.181	0.8449	0.9026	0.4261
Cadmium	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	NAV	2650	1751	2574	2255	1432	1129	1521	1892	2181
Chromium	0.4	**131.9**	**93.44**	**97.05**	**76.75**	**93.79**	**94.14**	**67.21**	**68.94**	**31.59**
Cobalt	13	3.777	2.215	2.193	1.776	3.053	1.407	1.300	3.325	1.340
Copper	28	7.270	8.687	9.789	8.903	11.99	3.861	6.834	21.19	6.902
Iron	NAV	40650	28820	30410	24800	33680	28840	20350	21770	11890
Lead	11	**15.18**	**23.70**	**29.28**	**30.30**	**22.50**	9.522	**32.34**	**37.68**	**69.47**
Magnesium	NAV	4651	3125	3693	3008	3542	3539	2369	2131	1266
Manganese	220	100.5	63.60	52.10	49.55	91.67	40.10	43.74	38.60	41.10
Mercury	0.00051	**0.040**	**0.062**	**0.075**	**0.052**	**0.065**	**0.031**	**0.054**	**0.042**	**0.036**
Nickel	30	9.086	7.517	8.082	6.739	9.795	6.188	5.052	6.810	4.669
Potassium	NAV	10160	5995	6669	4758	6771	6444	5968	4027	2394
Selenium	0.21	**0.446**	ND	ND	ND	ND	ND	**0.574**	ND	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	76.50	54.90	84.44	52.01	95.94	83.79	53.97	60.76	75.82
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**38.86**	**32.44**	**35.12**	**34.16**	**55.03**	**44.63**	**29.25**	**25.28**	**21.11**
Zinc	8.5	**73.32**	**60.25**	**65.96**	**60.64**	**57.34**	**37.47**	**43.91**	**125.8**	**73.25**

See Notes at End of Table

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3444.02 B48 (6-12") 3/30/1998	3444.03 B49 (6-12") 3/30/1998	3408.01 B50 (6-12") 3/13/1998	3408.03 B51 (6-12") 3/13/1998	3408.05 B52 (6-12") 3/13/1998	3408.07 B53 (6-12") 3/13/1998	3408.09 B54 (6-12") 3/13/1998	3408.11 B55 (6-12") 3/13/1998	3408.13 B56 (6-12") 3/13/1998
Semi-Volatiles (mg/kg)										
2-Methylnaphthalene	3.24	ND	ND	ND	0.075J	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	ND	0.099J	0.28J	0.3J	ND	ND	0.14J	0.075J
Benzo[a]pyrene	1.52	ND	ND	0.13J	0.34J	0.38J	ND	ND	0.17J	0.095J
Benzo[b]fluoranthene	59.8	ND	ND	0.12J	0.24J	0.26J	ND	ND	0.11J	0.064J
Benzo[g,h,i]perylene	119	0.13J	ND	ND	0.18J	0.23J	ND	ND	0.096J	ND
Benzo[k]fluoranthene	148	0.15J	ND	0.095J	0.38J	0.37J	ND	0.065J	0.16J	0.086J
bis(2-Ethylhexyl)phthalate	0.925	0.15J	0.15J	0.13J	0.17J	0.2J	0.096J	0.1J	0.12J	0.061J
Chrysene	4.73	0.18J	ND	0.18J	0.52J	0.54J	0.091J	0.11J	0.28J	0.14J
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	3.4	3.4	0.56	0.98	0.67	0.42J	0.27J	0.48J	0.14J
Fluoranthene	122	0.17J	ND	0.16J	0.65	0.61	0.086J	0.11J	0.3J	0.12J
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	0.19J	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	0.081J	0.27J	0.27J	0.086J	0.071J	0.23J	0.080J
Pyrene	78.5	0.17J	ND	0.16J	0.54J	0.55J	0.092J	0.1J	0.32J	0.12J
Pesticides/PCBs (mg/kg)										
4,4'-DDD	0.758	0.043	ND	0.058	0.047	0.188	0.175	0.205	**3.056**	0.073
4,4'-DDE	0.596	0.074	ND	0.047	0.054	0.256	0.376	**0.600**	**3.263**	0.163
4,4'-DDT	0.0035	**0.035**	ND	**0.016**	**0.044**	**0.236**	**0.124**	**0.247**	**1.539**	**0.086**
Endosulfan II	NAV	ND	ND	ND	0.008	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3444.02 B48 (6-12") 3/30/1998	3444.03 B49 (6-12") 3/30/1998	3408.01 B50 (6-12") 3/13/1998	3408.03 B51 (6-12") 3/13/1998	3408.05 B52 (6-12") 3/13/1998	3408.07 B53 (6-12") 3/13/1998	3408.09 B54 (6-12") 3/13/1998	3408.11 B55 (6-12") 3/13/1998	3408.13 B56 (6-12") 3/13/1998
Metals (mg/kg)										
Aluminum	50	**15230**	**14850**	**8151**	**12730**	**13290**	**7741**	**10610**	**11110**	**10680**
Antimony	0.27	**2.731**	**2.930**	**0.976**	**1.247**		**1.490**	**1.565**	**2.369**	**2.186**
Arsenic	9.9	**11.49**	**10.09**	7.422	8.636	**24.96**	7.025	**13.65**	**11.22**	**10.14**
Barium	283	64.95	66.47	26.20	31.10	59.14	15.77	32.12	89.73	24.35
Beryllium	10	1.417	1.385	0.7182	0.9375	1.590	0.8519	1.280	1.207	1.065
Cadmium	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	NAV	1105	1291	1269	1299	1792	1141	1138	1321	1568
Chromium	0.4	**174.4**	**179.7**	**63.39**	**79.45**	**109.3**	**79.46**	**104.0**	**135.9**	**135.3**
Cobalt	13	1.312	1.341	1.388	3.064	3.275	0.9690	1.842	1.986	1.161
Copper	28	7.642	6.070	5.644	6.688	14.79	4.382	6.471	9.848	5.694
Iron	NAV	34910	34310	20640	27360	43790	23620	31990	31160	30220
Lead	11	**13.33**	8.121	**20.93**	**25.74**	**28.11**	**13.03**	**18.31**	**182.1**	9.413
Magnesium	NAV	5235	5362	2397	2918	4727	2921	4046	3842	3643
Manganese	220	23.87	22.80	17.92	22.82	59.07	20.37	41.93	40.93	23.45
Mercury	0.00051	**0.042**	**0.034**	**0.031**	**0.039**	**0.063**	**0.055**	**0.063**	**0.118**	**0.033**
Nickel	30	5.982	5.757	4.984	7.351	9.428	3.802	6.245	6.915	5.351
Potassium	NAV	12030	11700	5086	6320	10210	5180	7947	7598	6615
Selenium	0.21	**0.416**	**0.585**	ND	ND	ND	ND	ND	ND	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	145.7	168.1	64.93	92.26	137.3	72.03	89.30	73.73	50.53
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**63.65**	**62.41**	**35.80**	**44.50**	**54.72**	**41.10**	**46.21**	**50.22**	**45.64**
Zinc	8.5	**53.73**	**55.37**	**32.89**	**49.06**	**67.68**	**31.73**	**48.47**	**75.25**	**41.51**

See Notes at End of Table

Table A-3
Soil Sampling Results
M-4 Landfill Site
Fort Monmouth, New Jersey
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3408.15 B57 (6-12") 3/13/1998	3408.17 B58 (6-12") 3/13/1998	3408.19 B59 (6-12") 3/13/1998	3408.21 B60 (6-12") 3/13/1998	3408.23 B61 (6-12") 3/13/1998	3408.25 B62 (6-12") 3/13/1998	3408.27 B63 (6-12") 3/13/1998
Semi-Volatiles (mg/kg)								
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	0.28J	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	0.15J	0.92	0.067J	0.14J	0.19J	ND	ND
Benzo[a]pyrene	1.52	0.15J	0.94	0.085J	0.18J	0.26J	ND	ND
Benzo[b]fluoranthene	59.8	0.093J	0.76	ND	0.12J	0.18J	ND	ND
Benzo[g,h,i]perylene	119	0.078J	0.47J	ND	0.13J	ND	ND	ND
Benzo[k]fluoranthene	148	0.12J	0.71	0.11J	0.12J	0.22J	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	0.091J	0.097J	0.082J	0.14J	0.083J	0.11J	0.12J
Chrysene	4.73	0.2J	1.3	0.11J	0.27J	0.36J	ND	ND
Dibenz[a,h]anthracene	18.4	ND	0.42J	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.45J	0.2J	0.26J	0.24J	0.26J	0.5J	0.49J
Fluoranthene	122	0.29J	1.9	0.1J	0.28J	0.51J	ND	ND
Fluorene	122	ND	0.089J	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	0.097J	0.54J	ND	ND	0.17J	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	0.18J	0.98	ND	0.14J	0.23J	ND	ND
Pyrene	78.5	0.22J	1.6	0.090J	0.26J	0.35J	ND	ND
Pesticides/PCBs (mg/kg)								
4,4'-DDD	0.758	0.290	0.043	0.057	0.164	0.259	ND	0.032
4,4'-DDE	0.596	0.207	0.057	0.067	0.187	0.283	0.003	0.183
4,4'-DDT	0.0035	**0.329**	**0.039**	**0.054**	**0.046**	**0.355**	**0.007**	**0.113**
Endosulfan II	NAV	ND	0.005	ND	ND	ND	ND	ND

See Notes at End of Table

Table A-3
Soil Sampling Results
M-4 Landfill Site
Fort Monmouth, New Jersey
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3408.15 B57 (6-12") 3/13/1998	3408.17 B58 (6-12") 3/13/1998	3408.19 B59 (6-12") 3/13/1998	3408.21 B60 (6-12") 3/13/1998	3408.23 B61 (6-12") 3/13/1998	3408.25 B62 (6-12") 3/13/1998	3408.27 B63 (6-12") 3/13/1998
Metals (mg/kg)								
Aluminum	50	**9156**	**6126**	**14580**	**8288**	**11360**	**7809**	**3825**
Antimony	0.27	**1.634**	**0.751**	**1.701**	**1.648**	**2.181**	**1.501**	**0.735**
Arsenic	9.9	**39.46**	7.415	**16.70**	**12.48**	**18.40**	8.055	3.938
Barium	283	32.87	41.94	41.40	45.90	40.30	12.76	9.505
Beryllium	10	0.9149	0.4819	1.190	0.8244	1.344	0.8714	0.5270
Cadmium	0.36	**0.6475**	ND	ND	ND	ND	ND	0.0616
Calcium	NAV	2900	7771	1216	1255	711.0	932.3	569.2
Chromium	0.4	**90.87**	**27.81**	**107.7**	**81.01**	**106.2**	**79.73**	**40.66**
Cobalt	13	2.401	1.632	2.191	1.406	2.266	1.079	0.6481
Copper	28	**42.95**	19.98	23.01	8.988	5.772	3.570	1.627
Iron	NAV	26570	12200	33100	21840	33630	25180	12750
Lead	11	**38.42**	**28.48**	**39.60**	**21.00**	**16.36**	5.622	4.535
Magnesium	NAV	3133	1678	4010	2461	3761	2755	1352
Manganese	220	48.42	97.82	63.55	22.21	52.54	22.08	12.34
Mercury	0.00051	**0.078**	**0.052**	**0.061**	**0.063**	**0.057**	**0.026**	**0.020**
Nickel	30	9.223	5.185	6.428	5.831	7.260	4.255	2.492
Potassium	NAV	5112	2472	7785	4846	7869	6284	3483
Selenium	0.21	ND	ND	ND	ND	**0.388**	ND	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	63.01	93.04	75.37	61.85	50.28	44.23	26.58
Thallium	1	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**36.99**	**20.13**	**56.36**	**27.69**	**36.35**	**37.93**	**19.58**
Zinc	8.5	**61.17**	**58.84**	**71.37**	**50.69**	**59.44**	**29.2**	**18.08**

NOTES:
Exceedances of Eco-SSL soil criteria are bold and shaded.
ESC = Ecological Screening Criteria (see Section 3.3)
mg/kg = milligrams per kilogram
ND = Not Detected
NAV = No Available Value
J = Estimated Value: Mass spectrometer and retention time data indicate the presence of the analyte, however the result is less than the method detection limit, but greater than zero.

Table A-4
Soil Sampling Results
M5 Landfill Site
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3465.03 B01 (6-12") 4/8/1998	3465.07 B02 (6-12") 4/8/1998	3465.11 B03 (6-12") 4/8/1998	3470.03 B04 (6-12") 4/9/1998	3470.07 B05 (6-12") 4/9/1998	3470.11 B06 (6-12") 4/9/1998	3470.15 B07 (6-12") 4/9/1998	3472.03 B08 (6-12") 4/10/1998	3472.07 B09 (6-12") 4/10/1998	3472.11 B10 (6-12") 4/10/1998
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	0.14J	0.15J
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	ND	ND	ND	ND	ND	0.3	ND	ND	ND
Benzo[a]anthracene	5.21	0.12J	ND	ND	ND	0.18J	ND	0.99	0.36	0.2J	0.18J
Benzo[a]pyrene	1.52	0.11J	ND	ND	ND	0.17J	ND	0.82	0.14J	0.57	0.14J
Benzo[b]fluoranthene	59.8	ND	ND	ND	ND	0.17J	ND	0.89	0.16J	0.6	0.15J
Benzo[g,h,I]perylene	119	ND	ND	ND	ND	ND	ND	0.48	ND	0.31	ND
Benzo[k]fluoranthene	148	ND	ND	ND	ND	0.15J	ND	0.86	ND	0.69	0.15J
bis(2-Ethylhexyl)phthalate	0.925	0.1J	0.73J	0.11J	0.11J	ND	0.17J	ND	0.15J	ND	0.18J
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	0.23J	ND	ND	ND	0.37	ND	1.5	0.49	0.28J	0.41
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	0.24J	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	3.9	0.03	1.5	2.1	0.01	0.01	0.02	2.0	0.01	0.64J
Fluoranthene	122	0.17J	ND	ND	ND	0.31	ND	2.1	ND	1.1	0.3
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	ND	ND	ND	0.58	ND	0.39	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.13J**
n-Nitrosodiphenylamine	0.545	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	0.16J	ND	ND	ND	0.28	ND	1.7	0.15J	0.68	0.41
Pyrene	78.5	0.28	ND	ND	ND	0.41	ND	1.6	0.15J	0.88	0.44
Pyridine	NAV	ND	ND	ND	ND	ND	0.5J	0.68J	ND	ND	0.77
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	ND	ND	ND	ND	ND	ND	ND	0.006	ND	0.003
4,4'-DDE	0.596	ND	0.001	0.001	0.001	ND	ND	ND	0.006	0.021	ND
4,4'-DDT	0.0035	ND	ND	ND	ND	ND	ND	ND	**0.01**	ND	**0.006**
alpha-Chlordane	0.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	NAV	0.008	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan-Sulfate	0.0358	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See Notes at End of Table

Table A-4
Soil Sampling Results
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3465.03 B01 (6-12") 4/8/1998	3465.07 B02 (6-12") 4/8/1998	3465.11 B03 (6-12") 4/8/1998	3470.03 B04 (6-12") 4/9/1998	3470.07 B05 (6-12") 4/9/1998	3470.11 B06 (6-12") 4/9/1998	3470.15 B07 (6-12") 4/9/1998	3472.03 B08 (6-12") 4/10/1998	3472.07 B09 (6-12") 4/10/1998	3472.11 B10 (6-12") 4/10/1998
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	0.0105	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)											
Aluminum	50	**4632**	**13450**	**10970**	**10250**	**6368**	**8343**	**13830**	**3691**	**4474**	**9667**
Antimony	0.27	**0.891**	**2.881**	**1.599**	**1.421**	**1.159**	**0.71**	**2.079**	**0.486**	**1.098**	**1.569**
Arsenic	9.9	4.12	**20.13**	**32.33**	**10.22**	9.054	8.85	**11.54**	**19.98**	**15.98**	**11.87**
Barium	283	13.03	32.88	30.43	21.25	40.37	18.58	116.04	31.68	58.82	23.16
Beryllium	10	0.4862	1.611	1.102	1.015	0.737	0.7328	1.32	0.7184	0.4577	1.055
Cadmium	0.36	ND	0.201	0.1798	0.2656	0.1551	0.0579	**0.541**	0.2736	**0.5314**	0.1708
Calcium	NAV	276	748.3	928.7	707.8	459.9	561.5	3956	1373	1105	453
Chromium	0.4	**46.4**	**152.8**	**83.07**	**84.62**	**42.42**	**53.53**	**75.63**	**13.02**	**14.93**	**82.74**
Cobalt	13	1.692	5.048	3.708	4.383	1.834	3.863	6.127	4.926	4.535	4.224
Copper	28	2.887	5.284	6.87	2.717	**30.09**	2.421	**254.1**	**43.77**	**2837**	14.52
Iron	NAV	18680	59460	41330	44130	22150	30210	29220	10980	9325	40700
Lead	11	**14.35**	**24.96**	**59.27**	8.682	**135.1**	**16.31**	**370.1**	**57.95**	**383.9**	**17.36**
Magnesium	NAV	623.7	1468	1548	1250	1222	1051	1571	373.7	423.7	1019
Manganese	220	47.18	69.84	76.15	83.14	50.43	104.4	146	30.67	**484.3**	97.99
Mercury	0.00051	**0.018**	**0.084**	**0.949**	ND	**0.228**	ND	**0.687**	**1.257**	**0.236**	**0.091**
Nickel	30	5.762	18.8	11.78	12.74	6.33	10.08	16.79	12.94	10.39	12.34
Potassium	NAV	1412	3255	4106	2577	3614	2171	4423	690	1241	2288
Selenium	0.21	ND	ND	ND	ND	ND	ND	ND	**0.785**	**1.534**	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	39.52	37.37	66.18	95.95	124.8	109	969.8	259.8	227.5	68.42
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**53.06**	**200.1**	**103.1**	**115.4**	**37.5**	**76.97**	**76.13**	**24**	**19.41**	**118.7**
Zinc	8.5	**36.18**	**90.91**	**71.52**	**62.01**	**58.64**	**44.99**	**178**	**22.14**	**942.9**	**64.9**

See Notes at End of Table

Table A-4
Soil Sampling Results
M5 Landfill Site
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3473.03 B11 (6-12") 4/11/1998	3473.07 B12 (6-12") 4/11/1998	3473.11 B13 (6-12") 4/11/1998	3473.15 B14 (6-12") 4/11/1998	3473.19 B15 (6-12") 4/11/1998	3477.03 B16 (6-12") 4/13/1998	3477.07 B17 (6-12") 4/13/1998	3477.11 B18 (6-12") 4/13/1998	3477.15 B19 (6-12") 4/13/1998	3479.03 B20 (6-12") 4/14/1998	3479.07 B21 (6-12") 4/14/1998
Semi-Volatiles (mg/kg)												
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	0.52	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	ND	0.29	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	ND	0.18J	ND	ND	0.27	ND	0.25	0.24	ND	ND
Benzo[a]pyrene	1.52	ND	ND	0.15J	ND	ND	0.27	ND	0.35	0.17J	ND	ND
Benzo[b]fluoranthene	59.8	ND	ND	0.12J	ND	ND	0.27	ND	0.41	0.14J	ND	ND
Benzo[g,h,I]perylene	119	ND	ND	ND	ND	ND	0.18J	ND	0.22J	0.12J	ND	ND
Benzo[k]fluoranthene	148	ND	ND	0.14J	ND	ND	0.26	ND	0.31	0.15J	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	0.18J	0.18J	0.16J	0.17J	ND	0.18J	0.25J	0.19J	0.18J	0.4	0.19J
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	ND	ND	0.35	ND	ND	0.46	0.25J	0.41	0.44	ND	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	0.16J	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.9J	0.78J	0.3J	0.33J	0.03	0.82J	1.0	0.59J	0.66J	0.74J	0.75J
Fluoranthene	122	ND	ND	0.26	ND	ND	0.43	ND	0.18J	0.34	ND	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	ND	ND	0.2J	ND	0.27	0.11J	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	**0.3**	ND	ND	ND	ND
n-Nitrosodiphenylamine	0.545	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	0.3	ND	ND	0.2J	0.31	ND	0.56	ND	ND
Pyrene	78.5	ND	ND	0.45	ND	ND	0.42	ND	0.22J	0.68	ND	ND
Pyridine	NAV	ND	ND	ND	ND	0.78J	ND	ND	ND	ND	ND	ND
Pesticides/PCBs (mg/kg)												
4,4'-DDD	0.758	ND	0.002	ND	ND	ND	ND	ND	ND	ND	ND	0.001
4,4'-DDE	0.596	ND	0.008	ND	ND	ND	ND	ND	ND	ND	ND	0.001
4,4'-DDT	0.0035	ND	**0.01**	ND	ND	ND	0.003	ND	ND	ND	ND	ND
alpha-Chlordane	0.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	NAV	ND	ND	0.009	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan-Sulfate	0.0358	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See Notes at End of Table

Table A-4
Soil Sampling Results
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3473.03 B11 (6-12") 4/11/1998	3473.07 B12 (6-12") 4/11/1998	3473.11 B13 (6-12") 4/11/1998	3473.15 B14 (6-12") 4/11/1998	3473.19 B15 (6-12") 4/11/1998	3477.03 B16 (6-12") 4/13/1998	3477.07 B17 (6-12") 4/13/1998	3477.11 B18 (6-12") 4/13/1998	3477.15 B19 (6-12") 4/13/1998	3479.03 B20 (6-12") 4/14/1998	3479.07 B21 (6-12") 4/14/1998
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	0.0105	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)												
Aluminum	50	**10420**	**10180**	**10770**	**10610**	**12770**	**12110**	**2705**	**5034**	**10530**	**12710**	**12310**
Antimony	0.27	**2.011**	**1.568**	**1.548**	**2.184**	**2.339**	**1.504**	**2.11**	**0.716**	**1.411**	**1.18**	**1.586**
Arsenic	9.9	**11.44**	**11.02**	**13.28**	**12.94**	**14.03**	**12.91**	7.747	**10.67**	**1030**	**14.23**	**12.38**
Barium	283	23.76	22.06	28.75	21.51	29.59	77.62	19.8	57.41	28.22	26.01	34.1
Beryllium	10	1.1	0.9966	1.09	1.376	1.187	1.463	0.3558	0.5955	0.9895	1.228	1.182
Cadmium	0.36	0.1037	0.0837	0.0925	**0.3648**	0.2357	0.3385	**0.482**	**1.934**	**1.258**	**1.41**	ND
Calcium	NAV	555.8	1110	1749	1224	600.2	1370	746.9	1947	533.2	750.3	4851
Chromium	0.4	**104.3**	**86.63**	**83.47**	**117.3**	**98.72**	**70.59**	**5.603**	**13.86**	**83.08**	**106.7**	**109.2**
Cobalt	13	5.456	5.389	3.82	5.631	5.412	5.138	3.41	5.639	2.785	3.228	5.048
Copper	28	6.138	4.719	7.043	4.11	2.605	**132.3**	**191.4**	**504.4**	6.488	4.663	5.5
Iron	NAV	44300	39710	39530	56290	47940	33680	4204	8125	33280	38800	44760
Lead	11	8.172	9.266	**32.8**	8.331	8.012	**288.8**	**1793**	**305.2**	10.63	**16.25**	9.176
Magnesium	NAV	1049	1442	2317	1445	1278	1392	184.9	348.8	2199	3160	3428
Manganese	220	86.4	105.6	85.88	115.4	87.25	110.8	24.55	50.34	59.32	76.21	81.37
Mercury	0.00051	**0.017**	**0.055**	**0.467**	**0.024**	**0.012**	**0.437**	**0.062**	**0.133**	ND	**0.019**	ND
Nickel	30	17.5	14.2	12.04	19.62	15.27	15.51	8.915	15.97	8.234	10.4	15.46
Potassium	NAV	2328	2392	4990	2466	3631	3944	375.3	907.7	4763	5588	3221
Selenium	0.21	ND	ND	ND	ND	ND	ND	**0.438**	**0.78**	ND	ND	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	1.519	ND	ND	ND
Sodium	NAV	142.9	66.2	67.71	79.89	83.87	248	152.2	246.7	37.78	48.64	235.5
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**141**	**120.3**	**104.6**	**166.2**	**146.2**	**90.73**	**10.9**	**17.17**	**66.69**	**67.64**	**135.8**
Zinc	8.5	**65.8**	**59.62**	**66.81**	**108.8**	**79.64**	**120.7**	**46.07**	**627.4**	**42.6**	**56.35**	**74.92**

See Notes at End of Table

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Soil Sampling Results
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3479.11 B22 (6-12") 4/14/1998	3485.03 B23 (6-12") 4/15/1998	3485.07 B24 (6-12") 4/15/1998	3485.11 B25 (6-12") 4/15/1998	3485.15 B26 (6-12") 4/15/1998	3498.03 B27 (6-12") 4/20/1998	3498.07 B28 (6-12") 4/20/1998	3498.11 B29 (6-12") 4/20/1998	3498.15 B30 (6-12") 4/20/1998	3500.02 B31 (6-12") 4/21/1998
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	0.21J	0.16J	ND	ND	ND
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	0.14J	ND	ND	ND	ND	0.21J	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	ND	ND	0.25	0.54	1.5	0.23	ND	ND	ND
Benzo[a]pyrene	1.52	ND	ND	ND	0.25	0.67	**1600**	0.22	ND	ND	ND
Benzo[b]fluoranthene	59.8	ND	ND	ND	0.29	0.69	1.6	0.19J	ND	ND	ND
Benzo[g,h,I]perylene	119	ND	ND	ND	0.17J	0.51	0.95	0.16J	ND	ND	ND
Benzo[k]fluoranthene	148	ND	ND	ND	0.26	0.56	1.4	0.19J	ND	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	0.64	0.13J	0.51	0.23J	**1.3**	0.29J	0.14J	0.18J	0.17J	0.13J
Butylbenzylphthalate	0.239	ND	ND	ND	ND	0.12J	ND	ND	ND	ND	ND
Chrysene	4.73	0.19J	ND	ND	0.41	0.83	2.3	0.53	0.19J	ND	0.15J
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	0.42	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	0.2J	ND	0.12J	0.12J	0.15J
Dimethylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.52J	0.01	1.1	0.01	4.6	0.01	0.89J	1.6	1.0	0.03
Fluoranthene	122	0.15J	ND	ND	0.33	0.91	2.8	0.38	0.14J	ND	0.12J
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	0.19J	0.58	1.2	0.15J	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	**0.17J**	**0.13J**	ND	ND	ND
n-Nitrosodiphenylamine	0.545	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	0.14J	ND	ND	0.19J	0.39	1.3	0.48	0.15J	ND	0.13J
Pyrene	78.5	0.22J	ND	ND	0.31	0.77	2.5	0.6	0.24J	ND	0.19J
Pyridine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	ND	ND	ND	0.002	0.002	0.008	0.001	ND	ND	ND
4,4'-DDE	0.596	ND	ND	ND	0.007	0.001	0.092	0.016	0.009	0.004	ND
4,4'-DDT	0.0035	ND	ND	ND	**0.015**	0.001	**0.03**	**0.004**	0.001	ND	ND
alpha-Chlordane	0.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	NAV	0.002	ND	ND	0.005	ND	ND	ND	0.004	ND	ND
Endosulfan-Sulfate	0.0358	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3479.11 B22 (6-12") 4/14/1998	3485.03 B23 (6-12") 4/15/1998	3485.07 B24 (6-12") 4/15/1998	3485.11 B25 (6-12") 4/15/1998	3485.15 B26 (6-12") 4/15/1998	3498.03 B27 (6-12") 4/20/1998	3498.07 B28 (6-12") 4/20/1998	3498.11 B29 (6-12") 4/20/1998	3498.15 B30 (6-12") 4/20/1998	3500.02 B31 (6-12") 4/21/1998
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	0.0105	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)											
Aluminum	50	**6500**	**10230**	**8798**	**5973**	**3987**	**4737**	**10510**	**3825**	**11450**	**9478**
Antimony	0.27	**0.811**	**1.933**	**2.019**	**0.535**	**1.402**	**0.609**	**2.536**	**0.562**	**1.41**	**1.835**
Arsenic	9.9	6.743	**11.27**	**11.08**	9.377	**12.45**	**14.28**	**11.12**	5.409	**10.21**	**12.89**
Barium	283	18.78	18.63	22.06	54.85	93.31	102.3	27.13	21.8	27.58	26
Beryllium	10	0.72	1.132	1.003	0.5943	0.5401	0.5059	1.382	0.4842	0.9559	1.034
Cadmium	0.36	ND	0.2331	**0.4323**	**0.5041**	**1.011**	**1.863**	0.2193	0.0786	0.1311	0.1635
Calcium	NAV	1079	672.4	645.4	2380	1670	2181	775.9	715.5	1593	705.5
Chromium	0.4	**53.19**	**106.8**	**92.13**	**43.8**	**24.87**	**25.25**	**141.4**	**28.13**	**78.5**	**102.1**
Cobalt	13	2.142	3.946	4.48	3.881	3.974	3.495	3.636	0.8424	4.455	1.878
Copper	28	4.971	**37.2**	11.34	**102.8**	**484.1**	**566.7**	7.552	7.933	4.673	8.222
Iron	NAV	19270	50900	41650	23110	17000	14330	51640	11250	36530	39390
Lead	11	**11.83**	**17.2**	10.74	**207.2**	**921.5**	**708.5**	**21.74**	**39.12**	10.71	**34.73**
Magnesium	NAV	2083	1176	958.6	1409	378.7	1019	1088	844.5	1847	1751
Manganese	220	67.71	74.58	86.61	104.8	97.11	73.72	52.63	39.55	87.83	38.07
Mercury	0.00051	**0.011**	ND	ND	**0.201**	**0.485**	**0.512**	**0.064**	**0.056**	**0.012**	**0.184**
Nickel	30	5.72	13.06	12.94	10.85	13.33	10.33	11.45	3.095	12.99	8.486
Potassium	NAV	4347	2592	1592	1725	684	1454	2371	1592	2876	4834
Selenium	0.21	ND	ND	ND	ND	**0.888**	**0.881**	ND	ND	ND	ND
Silver	2	ND	ND	ND	ND	1.574	0.419	ND	ND	ND	ND
Sodium	NAV	33.37	35.27	58.67	95.4	333.1	159.7	49.69	35.99	77.41	39.97
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**34.59**	**138.4**	**126.7**	**51.98**	**34.2**	**28.86**	**191.7**	**19.39**	**109.7**	**79.23**
Zinc	8.5	**32.86**	**86.32**	**67.07**	**163.9**	**303.7**	**179.4**	**70.69**	**55.47**	**56.71**	**62.43**

See Notes at End of Table

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3500.06 B32 (6-12") 4/21/1998	3500.10 B33 (6-12") 4/21/1998	3500.14 B34 (6-12") 4/21/1998	3500.18 B35 (6-12") 4/21/1998	3501.02 B36 (6-12") 4/22/1998	3501.06 B37 (6-12") 4/22/1998	3501.10 B38 (6-12") 4/22/1998	3501.14 B39 (6-12") 4/22/1998	3501.18 B40 (6-12") 4/22/1998	3539.02 B41 (6-12") 5/1/1998
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	0.11J	ND	0.12J	ND	ND	ND	ND	ND	0.26J
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	0.17J	0.32	0.35	0.69	0.14J	ND	ND	ND	ND	0.15J
Benzo[a]pyrene	1.52	0.17J	0.37	0.39	0.72	0.12J	ND	ND	ND	ND	0.16J
Benzo[b]fluoranthene	59.8	0.16J	0.35	0.42	0.84	0.11J	ND	ND	ND	ND	0.25J
Benzo[g,h,I]perylene	119	ND	0.23J	0.25J	0.4	ND	ND	ND	ND	ND	0.12J
Benzo[k]fluoranthene	148	0.15J	0.36	0.34	0.7	0.12J	ND	ND	ND	ND	0.18J
bis(2-Ethylhexyl)phthalate	0.925	0.16J	0.15J	0.36	0.13J	0.13J	0.13J	0.15J	ND	ND	0.15J
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	0.3	0.6	0.57	1.2	0.28	ND	ND	ND	ND	0.41
Dibenz[a,h]anthracene	18.4	ND	ND	ND	0.2J	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	0.14J	0.3	0.18J	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	2.5	1.0	1.4	0.01	3.3	4.7	0.01	0.04	4.2	1.1
Fluoranthene	122	0.25	0.55	0.57	1.3	0.22	ND	ND	ND	ND	0.34
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	0.12J	0.26	0.3	0.49	ND	ND	ND	ND	ND	0.13J
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.18J**
n-Nitrosodiphenylamine	0.545	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	0.17J	0.35	0.28	0.67	0.21	ND	ND	ND	ND	0.35
Pyrene	78.5	0.27	0.52	0.46	1.1	0.33	ND	ND	ND	ND	0.31
Pyridine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	ND	0.003	ND	0.02	0.001	ND	ND	ND	0.001	0.003
4,4'-DDE	0.596	ND	0.037	0.009	0.153	0.003	ND	ND	ND	0.001	0.028
4,4'-DDT	0.0035	ND	**0.02**	0.003	**0.051**	**0.006**	ND	ND	ND	0.003	**0.044**
alpha-Chlordane	0.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	NAV	ND	ND	ND	0.01	ND	ND	ND	ND	ND	ND
Endosulfan-Sulfate	0.0358	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See Notes at End of Table

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3500.06 B32 (6-12") 4/21/1998	3500.10 B33 (6-12") 4/21/1998	3500.14 B34 (6-12") 4/21/1998	3500.18 B35 (6-12") 4/21/1998	3501.02 B36 (6-12") 4/22/1998	3501.06 B37 (6-12") 4/22/1998	3501.10 B38 (6-12") 4/22/1998	3501.14 B39 (6-12") 4/22/1998	3501.18 B40 (6-12") 4/22/1998	3539.02 B41 (6-12") 5/1/1998
Endrin	0.0101	ND	ND	ND	**0.023**	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	0.0105	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)											
Aluminum	50	**9374**	**5404**	**6652**	**12810**	**8275**	**10070**	**9616**	**9833**	**7769**	**6479**
Antimony	0.27	**1.035**	**1.754**	**2.403**	**5.962**	**0.964**	**1.965**	**1.819**	**1.916**	**1.55**	**1.413**
Arsenic	9.9	**11.15**	**32.71**	**13.11**	**62.27**	9.445	**10.42**	9.688	**13.1**	**10.04**	**12.52**
Barium	283	36.46	150	203.9	**354.6**	22.98	24.73	26.09	30.29	20	107.8
Beryllium	10	0.8538	0.6234	0.689	**10.89**	0.8057	1.032	1.058	1.159	0.8691	0.759
Cadmium	0.36	0.2132	**2.087**	**1.975**	**7.431**	**0.5996**	0.1855	0.2547	0.1541	0.1502	**0.959**
Calcium	NAV	1054	4974	3063	2477	635.6	1015	839	612.5	577.6	2137
Chromium	0.4	**70.22**	**38.59**	**44.4**	**72.25**	**61.12**	**96.84**	**99.42**	**106.1**	**83.34**	**56.36**
Cobalt	13	3.774	5.207	5.537	**55.97**	3.707	4.522	4.232	4.975	4.022	4.604
Copper	28	**32.05**	**409.3**	**428**	**442.8**	8.111	3.796	3.185	3.559	1.854	**412.9**
Iron	NAV	31220	32440	23380	13500	29820	43400	42240	49440	36490	27420
Lead	11	**70.19**	**810.3**	**1090**	**2851**	**16.68**	8.622	8.58	10.66	5.945	**629.1**
Magnesium	NAV	1360	2213	878.7	1112	1019	1311	1022	899.6	789.1	1009
Manganese	220	123.3	179.6	153.2	174.9	76.98	103.8	85.25	110.2	86.79	193.3
Mercury	0.00051	**0.025**	**0.979**	**0.662**	**1.562**	**0.059**	**0.025**	**0.014**	**0.037**	**0.013**	**0.891**
Nickel	30	12.04	18.98	22.35	**69.97**	10.12	14.97	15.78	15.84	10.83	19.73
Potassium	NAV	3626	1348	1615	3185	2115	2342	1607	1726	1611	1890
Selenium	0.21	ND	**0.602**	**1.104**	**50.7**	**0.584**	ND	ND	ND	ND	**0.627**
Silver	2	ND	**2.78**	**3.345**	**9.425**	ND	ND	ND	ND	ND	0.945
Sodium	NAV	81.26	245.1	186.7	343.3	38.72	40.28	45.41	62.79	32.38	154.9
Thallium	1	ND	ND	ND	**47.42**	ND	ND	ND	ND	ND	ND
Vanadium	2	**76.03**	**44.85**	**52.39**	**84.39**	**84.38**	**131.4**	**139**	**159.7**	**103.5**	**59.51**
Zinc	8.5	**82.33**	**743**	**828**	**658.1**	**45.25**	**64.17**	**70.04**	**71.88**	**58.82**	**433.1**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3539.06 B42 (6-12") 5/1/1998	3543.02 B43 (6-12") 5/1/1998	3543.06 B44 (6-12") 5/1/1998	3543.10 B45 (6-12") 5/1/1998	3543.14 B46 (6-12") 5/1/1998	3547.02 B47 (6-12") 5/5/1998	3547.06 B48 (6-12") 5/5/1998	3547.10 B49 (6-12") 5/5/1998	3547.14 B50 (6-12") 5/5/1998	3547.18 B51 (6-12") 5/5/1998
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	0.26J	ND	0.16J	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	0.16J	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	ND	0.19J	ND	ND	ND	ND	ND	ND	0.13J
Benzo[a]anthracene	5.21	0.65	ND	1.5	0.44	0.31	ND	ND	ND	ND	ND
Benzo[a]pyrene	1.52	0.67	ND	**1600**	0.5	0.36	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	59.8	0.72	ND	1.6	0.48	0.33	ND	ND	ND	ND	ND
Benzo[g,h,I]perylene	119	0.5	ND	1.2	0.42	0.28	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	148	0.59	ND	1.5	0.47	0.35	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	ND	ND	ND	ND	2.9	ND	ND	0.14J	0.12J	0.14J
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	0.98	0.13J	2.4	0.69	0.51	ND	ND	ND	0.13J	0.18J
Dibenz[a,h]anthracene	18.4	0.2J	ND	0.47	0.16J	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	0.11J	ND	ND	ND	ND
Dimethylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.8J	0.4J	0.37J	0.29J	1.	0.96	0.63J	0.49J	0.26J	0.91
Fluoranthene	122	1.3	ND	2.8	0.71	0.56	ND	0.12J	ND	0.17J	0.16J
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	0.58	ND	1.3	0.47	0.31	ND	ND	ND	ND	ND
Naphthalene	0.0994	**0.31**	ND	**0.19J**	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodiphenylamine	0.545	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	0.64	ND	1.3	0.3	0.32	ND	ND	ND	ND	0.14J
Pyrene	78.5	0.96	ND	2.5	0.7	0.53	ND	ND	ND	0.13J	0.23J
Pyridine	NAV	ND	ND	ND	ND	ND	ND	ND	0.58	ND	ND
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	0.003	ND	ND	0.007	0.008	ND	ND	0.001	0.001	ND
4,4'-DDE	0.596	0.007	ND	ND	0.084	0.052	0.004	ND	ND	0.004	ND
4,4'-DDT	0.0035	**0.033**	ND	ND	**0.105**	**0.075**	**0.004**	ND	ND	**0.01**	ND
alpha-Chlordane	0.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	NAV	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan-Sulfate	0.0358	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See Notes at End of Table

Table A-4
Soil Sampling Results
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3539.06 B42 (6-12") 5/1/1998	3543.02 B43 (6-12") 5/1/1998	3543.06 B44 (6-12") 5/1/1998	3543.10 B45 (6-12") 5/1/1998	3543.14 B46 (6-12") 5/1/1998	3547.02 B47 (6-12") 5/5/1998	3547.06 B48 (6-12") 5/5/1998	3547.10 B49 (6-12") 5/5/1998	3547.14 B50 (6-12") 5/5/1998	3547.18 B51 (6-12") 5/5/1998
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	0.0105	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)											
Aluminum	50	**3951**	**6390**	**8077**	**1961**	**4464**	**1986**	**3363**	**4876**	**3699**	**8596**
Antimony	0.27	**1.104**	ND	**1.203**	**0.382**	**0.639**	**0.388**	**0.95**	**0.791**	**0.497**	**1.713**
Arsenic	9.9	8.959	4.218	**11.66**	2.255	8.122	1.719	8.626	**12.79**	3.172	**27.93**
Barium	283	181.9	258.9	**513.9**	16.6	69.01	10.23	113.8	76.99	16.51	27.23
Beryllium	10	0.4586	0.764	0.8622	0.166	0.4403	0.3672	0.4112	0.6963	0.7032	1.108
Cadmium	0.36	**0.489**	ND	**0.6777**	**0.4876**	**0.9829**	ND	0.2786	0.1114	ND	0.1293
Calcium	NAV	962.9	1200	2670	10360	2705	277	933.3	1111	476.2	943.5
Chromium	0.4	**36.34**	**21.06**	**70.59**	**17.96**	**36.61**	**21.36**	**23.73**	**52.57**	**30.82**	**108.5**
Cobalt	13	4.035	5.369	2.42	1.223	2.495	0.3853	2.388	1.731	0.3871	3.129
Copper	28	**207.3**	**38.4**	**346.7**	**28.23**	**262.8**	2.913	**532.4**	**60.76**	4.304	7.103
Iron	NAV	21350	8584	21940	6391	18840	7617	20580	22280	10500	47660
Lead	11	**502.5**	**39.9**	**275.5**	**228.1**	**273.5**	8.632	**845.1**	**226.7**	6.099	**40.53**
Magnesium	NAV	485	331.2	2943	5665	928.1	534.1	574.5	1066	602.6	963.9
Manganese	220	102.6	68.44	84.22	52.05	**725.6**	10.21	107.1	71.47	20.24	65.67
Mercury	0.00051	**0.754**	**0.085**	**0.164**	**10.194**	**5.04**	**0.039**	**0.51**	**5.141**	**0.074**	**0.225**
Nickel	30	10.93	13.84	13.28	4.67	7.3	2.299	7.715	6.521	3.713	12.48
Potassium	NAV	864.1	525.2	3791	722.3	1955	1048	1422	2485	918.9	2085
Selenium	0.21	**0.859**	**1.417**	**0.473**	ND	ND	**0.372**	**0.4**	ND	ND	ND
Silver	2	ND	**2.362**	0.993	ND	0.512	ND	1.123	ND	ND	ND
Sodium	NAV	103.4	216.8	221.4	174.2	312.4	144.3	96.56	71.52	266.9	393.3
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**43.68**	**20.79**	**30.96**	**14.38**	**33.38**	**16.22**	**17.18**	**39.23**	**26.17**	**126.4**
Zinc	8.5	**250.3**	**48.22**	**1598**	**62.64**	**1809**	**46.14**	**209.5**	**100.6**	**49.56**	**68.26**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3550.03 B52 (6-12") 5/6/1998	3550.07 B53 (6-12") 5/6/1998	3550.11 B54 (6-12") 5/6/1998	3550.15 B55 (6-12") 5/6/1998	3561.02 B56 (6-12") 5/11/1998	3561.06 B57 (6-12") 5/11/1998	3561.10 B58 (6-12") 5/11/1998	3561.14 B59 (6-12") 5/11/1998	3567.02 B60 (6-12") 5/14/1998	3567.06 B61 (6-12") 5/14/1998
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	0.24	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	0.19J	0.17J	ND	ND	0.21J	ND	ND	0.28	ND
Benzo[a]pyrene	1.52	ND	0.17J	0.11J	ND	ND	0.15J	ND	ND	0.26	ND
Benzo[b]fluoranthene	59.8	ND	0.11J	ND	ND	ND	ND	ND	ND	0.22J	ND
Benzo[g,h,I]perylene	119	ND	0.11J	ND	ND	ND	ND	ND	ND	0.17J	ND
Benzo[k]fluoranthene	148	ND	0.14J	0.11J	ND	ND	0.13J	ND	ND	0.24	ND
bis(2-Ethylhexyl)phthalate	0.925	ND	ND	0.22J	0.13J	ND	0.14J	0.2J	ND	0.2J	0.22J
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	0.14J	0.37	0.23J	ND	ND	0.29	ND	ND	0.3	0.13J
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	ND	0.35J	1.6	0.9J	0.36J	0.57J	0.97	0.43J	0.61J	0.88J
Fluoranthene	122	ND	0.26	0.16J	ND	ND	0.3	ND	0.14J	0.71	0.14J
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	0.11J	ND	ND	ND	ND	ND	ND	0.18J	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodiphenylamine	0.545	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	0.11J	0.24	0.11J	ND	ND	0.25	ND	ND	0.44	ND
Pyrene	78.5	0.17J	0.41	0.24	ND	ND	0.45	ND	0.12J	0.53	0.15J
Pyridine	NAV	ND	ND	ND	0.42	ND	ND	ND	ND	ND	ND
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	ND	ND	0.019	0.002	ND	ND	ND	**2.68**	ND	ND
4,4'-DDE	0.596	ND	0.027	0.009	0.006	0.227	0.039	0.004	**2.058**	0.003	0.005
4,4'-DDT	0.0035	ND	ND	**0.092**	**0.012**	**0.17**	**0.06**	**0.007**	**11.182**	0.002	**0.007**
alpha-Chlordane	0.22	ND	ND	ND	ND	ND	ND	ND	**0.409**	ND	ND
Aroclor 1254	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	NAV	0.013	0.019	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan-Sulfate	0.0358	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See Notes at End of Table

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3550.03 B52 (6-12") 5/6/1998	3550.07 B53 (6-12") 5/6/1998	3550.11 B54 (6-12") 5/6/1998	3550.15 B55 (6-12") 5/6/1998	3561.02 B56 (6-12") 5/11/1998	3561.06 B57 (6-12") 5/11/1998	3561.10 B58 (6-12") 5/11/1998	3561.14 B59 (6-12") 5/11/1998	3567.02 B60 (6-12") 5/14/1998	3567.06 B61 (6-12") 5/14/1998
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	0.0105	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	**0.577**	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	**0.014**	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	**0.261**	ND	ND
Metals (mg/kg)											
Aluminum	50	**8267**	**4460**	**6246**	**7988**	**11380**	**10290**	**1884**	**2975**	**13190**	**9246**
Antimony	0.27	**1.263**	**0.547**	**1.532**	**1.149**	**1.246**	**1.868**	**0.326**	**0.48**	**1.266**	**0.86**
Arsenic	9.9	**14.36**	4.293	**147.5**	**10.36**	**16.81**	**14.94**	1.201	7.456	**10.76**	7.677
Barium	283	29.54	25.47	14.72	101.2	44.19	88.58	5.948	27.13	34.64	21.61
Beryllium	10	0.9403	0.412	0.7216	0.9041	1.233	0.9952	0.3044	0.3715	1.496	1.056
Cadmium	0.36	ND	ND	ND	ND	ND	0.2176	0.1125	0.2638	ND	ND
Calcium	NAV	664.1	452.9	440.1	950.6	1662	1169	152.9	400.1	1188	491.6
Chromium	0.4	**87.14**	**31.37**	**81.6**	**58.97**	**90.25**	**78.52**	**14.29**	**18.99**	**100.1**	**82.22**
Cobalt	13	6.07	1.335	0.8229	2.301	2.645	4.073	0.2267	1.23	2.967	1.778
Copper	28	15.39	17.84	6.733	14.76	15.96	**83.51**	3.742	9.851	5.622	3.459
Iron	NAV	40040	10340	30770	24580	32850	34590	5510	7582	36290	26710
Lead	11	**55.83**	**22.07**	**14.64**	**45.25**	**108.8**	**2379**	8.725	**71.13**	10.39	9.338
Magnesium	NAV	1089	698.6	2093	2144	3720	1506	335.4	664.8	3941	2704
Manganese	220	153.5	74.62	30.56	147.5	76.07	118.1	5.243	21.19	95.3	47.43
Mercury	0.00051	**0.588**	**0.037**	**0.036**	**0.213**	**0.9**	**0.459**	**0.039**	**17.584**	**0.671**	**0.058**
Nickel	30	11.51	2.826	3.717	7.104	8.858	13.31	1.59	4.389	7.747	5.302
Potassium	NAV	2466	1529	6333	5418	7138	4203	460.3	1084	7084	5398
Selenium	0.21	ND	ND	**0.599**	ND	ND	ND	ND	ND	ND	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	52.66	40.01	229.7	159.4	71.89	110.9	25.7	57.27	81.7	49.79
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**79.15**	**18.81**	**32.76**	**29.63**	**42.8**	**82.13**	**13.82**	**18.5**	**44.53**	**37.72**
Zinc	8.5	**91.96**	**35.88**	**28.84**	**58.2**	**81.92**	**178.4**	**26.47**	**73.37**	**59.43**	**41.41**

See Notes at End of Table

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3567.10 B62 (6-12") 5/14/1998	3567.14 B63 (6-12") 5/14/1998	3567.19 B64 (6-12") 5/14/1998	3571.02 B65 (6-12") 5/15/1998	3571.06 B66 (6-12") 5/15/1998	3571.10 B67 (6-12") 5/15/1998	3571.13 B68 (6-12") 5/15/1998	3571.17 B69 (6-12") 5/15/1998	3576.02 B70 (6-12") 5/18/1998	3576.06 B71 (6-12") 5/18/1998
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	0.14J	ND	0.26J
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.18J
Acenaphthylene	682	ND	0.14J	0.15J	ND	ND	0.19J	ND	ND	ND	0.74
Anthracene	1,480	ND	ND	ND	ND	ND	ND	ND	0.15J	ND	0.74
Benzo[a]anthracene	5.21	ND	0.56	0.66	ND	ND	0.76	ND	0.7	ND	3.1
Benzo[a]pyrene	1.52	ND	0.58	0.66	ND	0.12J	0.72	ND	0.72	ND	**3**
Benzo[b]fluoranthene	59.8	ND	0.41	0.56	ND	0.11J	0.41	ND	0.74	ND	2.4
Benzo[g,h,I]perylene	119	ND	0.44	0.54	ND	ND	0.53	ND	0.45	ND	2.3
Benzo[k]fluoranthene	148	ND	0.52	0.56	ND	0.11J	0.53	ND	0.7	ND	2.4
bis(2-Ethylhexyl)phthalate	0.925	0.11J	0.21J	0.28J	ND	0.12J	ND	ND	0.11J	ND	ND
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	ND	0.88	1.5	ND	0.12J	1.2	0.18J	0.97	ND	**5.0**
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.45J	0.38J	0.82J	0.21J	0.59J	0.25J	0.18J	0.22J	0.54J	1.0
Fluoranthene	122	ND	0.89	1.2	ND	0.17J	1.2	0.14J	1.5	ND	4.5
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.46
Indeno[1,2,3-cd]pyrene	109	ND	0.37	0.44	ND	ND	0.43	ND	0.47	ND	1.9
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	**0.12J**	ND	**0.22J**
n-Nitrosodiphenylamine	0.545	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	0.54	1.1	ND	ND	1.5	0.17J	0.95	ND	3.8
Pyrene	78.5	ND	1.3	2.2	ND	0.15J	2.1	0.2J	1.3	ND	6.4
Pyridine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	ND	ND	0.196	ND	ND	ND	ND	0.038	ND	ND
4,4'-DDE	0.596	0.001	0.007	**1.184**	0.002	ND	ND	0.041	0.069	0.001	0.103
4,4'-DDT	0.0035	ND	**0.01**	**0.532**	0.002	ND	ND	**0.069**	**0.287**	0.002	**0.104**
alpha-Chlordane	0.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan-Sulfate	0.0358	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3567.10 B62 (6-12") 5/14/1998	3567.14 B63 (6-12") 5/14/1998	3567.19 B64 (6-12") 5/14/1998	3571.02 B65 (6-12") 5/15/1998	3571.06 B66 (6-12") 5/15/1998	3571.10 B67 (6-12") 5/15/1998	3571.13 B68 (6-12") 5/15/1998	3571.17 B69 (6-12") 5/15/1998	3576.02 B70 (6-12") 5/18/1998	3576.06 B71 (6-12") 5/18/1998
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	0.0105	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)											
Aluminum	50	**5436**	**7195**	**15670**	**8058**	**3044**	**7248**	**6761**	**7952**	**11120**	**9388**
Antimony	0.27	**0.921**	**1.01**	**1.059**	**0.997**	**0.443**	**0.35**	**1.209**	**1.305**	**1.249**	**0.789**
Arsenic	9.9	5.493	8.63	**14.6**	7.83	3.083	7.19	**11.44**	**10.21**	**10.11**	9.62
Barium	283	18.86	111.8	52.75	28.5	21.9	15.88	44.56	125.5	25.88	51.51
Beryllium	10	0.6189	0.8207	1.179	0.8404	0.4444	0.604	0.8332	0.8544	1.128	0.9041
Cadmium	0.36	**0.7023**	0.2273	ND	ND	ND	ND	0.1382	**1.154**	ND	ND
Calcium	NAV	181.1	1930	969	744.4	266.5	518.3	1209	1407	586.5	1169
Chromium	0.4	**49.99**	**57.85**	**81.95**	**68.44**	**23.91**	**42.72**	**57.83**	**51.07**	**114.5**	**77.94**
Cobalt	13	0.5732	1.54	4.367	3.136	0.5376	2.701	4.179	5.826	4.8	3.255
Copper	28	20.54	**50.68**	8.773	5.669	7.449	3.409	**42.05**	**1544**	2.028	**39.85**
Iron	NAV	15460	22510	34010	29740	8577	25900	27790	27860	47050	33340
Lead	11	**94.89**	**673.7**	**20.2**	**30.1**	**37.51**	9.825	**90.71**	**852.3**	**11.87**	**122.6**
Magnesium	NAV	948.3	1648	2740	1237	710.2	895.3	730.7	817.3	1074	1435
Manganese	220	18.48	144	175.4	76.07	29.05	79.87	54.71	195.3	103.5	76.53
Mercury	0.00051	**0.161**	**0.115**	**0.17**	**0.074**	**0.088**	**0.068**	**0.268**	ND	ND	**0.079**
Nickel	30	3.305	8.803	13.41	9.24	2.565	7.65	10.39	17.71	16.38	10.52
Potassium	NAV	2311	3715	5202	3399	1602	1460	1202	1922	2684	3817
Selenium	0.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	1.082	ND	ND
Sodium	NAV	51.48	439.1	287.7	56.68	11.9	43.74	72.72	175.9	92.7	92.75
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**39.39**	**27.81**	**74.48**	**74.42**	**14.64**	**56.21**	**74.83**	**52.52**	**148.9**	**82.7**
Zinc	8.5	**32.25**	**338.9**	**73.04**	**55.34**	**43.34**	**42.07**	**49.92**	**455**	**81.93**	**117.6**

See Notes at End of Table

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3576.10 B72 (6-12") 5/18/1998	3576.14 B73 (6-12") 5/18/1998	3580.02 B74 (6-12") 5/19/1998	3580.05 B75 (6-12") 5/19/1998	3580.08 B76 (6-12") 5/19/1998	3580.11 B77 (6-12") 5/19/1998	3580.14 B78 (6-12") 5/19/1998	3580.18 B79 (6-12") 5/19/1998	3580.22 B80 (6-12") 5/19/1998	3580.26 B81 (6-12") 5/19/1998	3580.30 B82 (6-12") 5/19/1998
Semi-Volatiles (mg/kg)												
2-Methylnaphthalene	3.24	0.23J	ND	ND	ND	ND	ND	ND	ND	ND	0.66	ND
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.11J	ND
Anthracene	1,480	0.13J	ND	ND	ND	ND	ND	ND	ND	ND	0.16J	ND
Benzo[a]anthracene	5.21	0.97	0.24	ND	0.18J	0.31	ND	ND	ND	ND	0.3	ND
Benzo[a]pyrene	1.52	1.1	0.26	ND	0.13J	0.29	ND	ND	ND	ND	0.24	ND
Benzo[b]fluoranthene	59.8	1.2	0.21J	ND	0.11J	0.2J	ND	ND	ND	ND	0.18J	ND
Benzo[g,h,I]perylene	119	0.77	0.22J	ND	ND	0.19J	ND	ND	ND	ND	0.19J	ND
Benzo[k]fluoranthene	148	1.2	0.23	ND	0.13J	0.22	ND	ND	ND	ND	0.22	ND
bis(2-Ethylhexyl)phthalate	0.925	ND	ND	ND	0.28J	0.1J	ND	ND	ND	ND	ND	ND
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	1.7	0.43	0.12J	0.3	0.52	ND	ND	ND	ND	0.51	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.25	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.17J	ND
Dimethylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.12J	ND
Di-n-butylphthalate	200	0.82J	0.51J	0.32J	0.76J	0.78J	0.38J	0.67J	0.6J	0.27J	0.84J	0.17J
Fluoranthene	122	2.3	0.33	0.13J	0.3	0.5	0.19J	ND	ND	ND	0.4	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.11J	ND
Indeno[1,2,3-cd]pyrene	109	0.76	ND	ND	ND	0.16J	ND	ND	ND	ND	0.15J	ND
Naphthalene	0.0994	**0.22J**	ND	ND	ND	ND	ND	ND	ND	ND	**0.4**	ND
n-Nitrosodiphenylamine	0.545	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.15J	ND
Phenanthrene	45.7	1.2	0.25	0.12J	0.48	0.72	0.17J	0.13J	ND	ND	0.57	ND
Pyrene	78.5	2.2	0.56	0.17J	0.51	0.82	0.12J	0.12J	ND	ND	0.58	ND
Pyridine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides/PCBs (mg/kg)												
4,4'-DDD	0.758	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.596	0.087	0.005	0.009	ND	ND	ND	0.01	0.002	0.005	ND	0.001
4,4'-DDT	0.0035	**0.072**	**0.005**	**0.01**	ND	ND	ND	**0.007**	0.002	**0.006**	ND	ND
alpha-Chlordane	0.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan-Sulfate	0.0358	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3576.10 B72 (6-12") 5/18/1998	3576.14 B73 (6-12") 5/18/1998	3580.02 B74 (6-12") 5/19/1998	3580.05 B75 (6-12") 5/19/1998	3580.08 B76 (6-12") 5/19/1998	3580.11 B77 (6-12") 5/19/1998	3580.14 B78 (6-12") 5/19/1998	3580.18 B79 (6-12") 5/19/1998	3580.22 B80 (6-12") 5/19/1998	3580.26 B81 (6-12") 5/19/1998	3580.30 B82 (6-12") 5/19/1998
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	0.0105	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)												
Aluminum	50	**8881**	**8643**	**2868**	**1781**	**6780**	**8537**	**10590**	**10590**	**10450**	**2577**	**2449**
Antimony	0.27	**0.724**	**1.158**	**0.57**	ND	**0.686**	**1.309**	**1.531**	**1.531**	**1.642**	**0.308**	**0.356**
Arsenic	9.9	8.338	7.981	4.511	1.452	6.874	8.003	**10.88**	**10.88**	**10.26**	5.594	1.387
Barium	283	58.95	25.84	12.69	5.525	26.72	24.35	24.94	24.94	24.91	36.08	15.13
Beryllium	10	0.6764	0.867	0.4361	0.2615	0.6806	0.9024	1.19	1.19	1.143	0.2973	0.3248
Cadmium	0.36	0.1899	ND	ND	ND	ND	ND	ND	ND	ND	0.0968	ND
Calcium	NAV	1570	691	327.2	117.9	510	440.1	809.2	809.2	611.8	865.2	316.7
Chromium	0.4	**46.85**	**85.23**	**27.92**	**18.67**	**61.92**	**97.55**	**96.08**	**96.08**	**112.3**	**11.66**	**19.27**
Cobalt	13	3.326	5.769	0.7721	0.4013	2.925	2.623	5.587	5.587	5.818	1.554	0.4012
Copper	28	**46.73**	6.715	5.597	2.002	8.638	3.266	27.74	27.74	4.975	17.64	1.524
Iron	NAV	17160	34570	10120	6671	28090	36430	56400	56400	47360	6221	6563
Lead	11	**58.5**	**75.52**	**18.46**	5.525	**48.57**	**16.89**	**33.19**	**33.19**	**65.52**	**36.85**	4.79
Magnesium	NAV	1940	941	664.5	334.2	887.6	863.8	1385	1385	1003	318.6	568.3
Manganese	220	89.7	168.8	30.3	13.35	67.87	62.27	160.5	160.5	141.4	17.63	12.37
Mercury	0.00051	**0.115**	**0.053**	**0.041**	ND	**0.028**	**0.029**	ND	ND	ND	**0.061**	ND
Nickel	30	8.935	11.23	2.749	1.679	8.334	10.82	13.68	13.68	15.43	4.848	1.503
Potassium	NAV	4607	2201	1340	614.6	1966	2023	3911	3911	2351	648.6	1045
Selenium	0.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.385**	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	262.7	62.74	61.08	27.75	32.16	31.08	150.5	150.5	27.11	138.3	13.7
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**34.6**	**101.9**	**22.17**	**16.56**	**73.25**	**103**	**123**	**123**	**154.8**	**18.03**	**13.74**
Zinc	8.5	**123.4**	**104.7**	**25.57**	**12.77**	**53.92**	**58.91**	**72.31**	**72.31**	**70.89**	**29.27**	**12.57**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3580.34 B83 (6-12") 5/19/1998	3584.02 B84 (6-12") 5/20/1998	3584.06 B85 (6-12") 5/20/1998	3584.10 B86 (6-12") 5/20/1998	3584.14 B87 (6-12") 5/20/1998	3584.18 B88 (6-12") 5/20/1998	3584.22 B89 (6-12") 5/20/1998	3584.26 B90 (6-12") 5/20/1998	3584.30 B91 (6-12") 5/20/1998	3584.34 B92 (6-12") 5/20/1998
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	**4.9**	ND	ND	ND	ND	ND	0.17J	ND	ND
3,3'-Dichlorobenzidine	0.646	ND	**1.0**	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	1.9	ND	ND	ND	ND	ND	ND	ND	0.59
Acenaphthylene	682	ND	4.4	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	3.2	ND	ND	ND	ND	ND	ND	ND	3.3
Benzo[a]anthracene	5.21	ND	**13E**	ND	ND	ND	ND	ND	0.36	ND	**7200**
Benzo[a]pyrene	1.52	ND	**11000**	ND	ND	ND	ND	ND	0.41	ND	**5300**
Benzo[b]fluoranthene	59.8	ND	9.2	ND	ND	ND	ND	ND	0.25J	ND	5.6
Benzo[g,h,I]perylene	119	ND	5.8	ND	ND	ND	ND	ND	0.23J	ND	2.8
Benzo[k]fluoranthene	148	ND	8.8	ND	ND	ND	ND	ND	0.34	ND	3.9
bis(2-Ethylhexyl)phthalate	0.925	ND	0.12J	0.11J	0.15J	0.16J	ND	ND	0.12J	0.11J	ND
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	ND	**21E**	0.12J	ND	ND	ND	ND	0.59	ND	**9700**
Dibenz[a,h]anthracene	18.4	ND	2.9	ND	ND	ND	ND	ND	ND	ND	0.64
Dibenzofuran	NAV	ND	0.54	ND	ND	ND	ND	ND	ND	ND	0.64
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.18J	0.27J	0.64J	0.87J	0.66J	0.29J	ND	0.51J	0.32J	0.28J
Fluoranthene	122	ND	16E	ND	ND	ND	ND	ND	0.48	ND	ND
Fluorene	122	ND	5.3	ND	ND	ND	ND	ND	ND	ND	1.1
Indeno[1,2,3-cd]pyrene	109	ND	4.6	ND	ND	ND	ND	ND	0.2J	ND	3.0
Naphthalene	0.0994	ND	**2.3**	ND	ND	ND	ND	ND	**0.13J**	ND	ND
n-Nitrosodiphenylamine	0.545	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	29E	ND	ND	ND	ND	ND	0.48	ND	ND
Pyrene	78.5	ND	30E	0.14J	ND	ND	ND	ND	0.84	ND	11.0
Pyridine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.596	0.018	0.208	ND	0.002	0.007	ND	0.006	0.001	0.002	ND
4,4'-DDT	0.0035	**0.028**	**0.803**	ND	ND	0.003	ND	0.003	0.002	0.002	ND
alpha-Chlordane	0.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan-Sulfate	0.0358	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3580.34 B83 (6-12") 5/19/1998	3584.02 B84 (6-12") 5/20/1998	3584.06 B85 (6-12") 5/20/1998	3584.10 B86 (6-12") 5/20/1998	3584.14 B87 (6-12") 5/20/1998	3584.18 B88 (6-12") 5/20/1998	3584.22 B89 (6-12") 5/20/1998	3584.26 B90 (6-12") 5/20/1998	3584.30 B91 (6-12") 5/20/1998	3584.34 B92 (6-12") 5/20/1998
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	0.0105	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)											
Aluminum	50	**1275**	**9216**	**6650**	**7711**	**7796**	**5870**	**4347**	**4758**	**2982**	**2424**
Antimony	0.27	0.255	**1.288**	**0.52**	**1.219**	**0.834**	**0.834**	**0.237**	**0.945**	**0.542**	**0.305**
Arsenic	9.9	0.858	11.23	4.61	8.103	**10.68**	**12.43**	2.981	**15.53**	4.745	1.092
Barium	283	4.896	29.34	14.66	14.57	29.97	192.3	25.61	8.797	21.03	12.71
Beryllium	10	0.1492	0.634	0.3893	0.9604	0.9373	4.787	0.3072	0.4409	0.3972	0.3802
Cadmium	0.36	ND	ND	ND	ND	ND	**0.674**	ND	ND	ND	ND
Calcium	NAV	134.9	817.1	590.2	646.2	1477	1547	1663	181.2	987.9	168.5
Chromium	0.4	**12.27**	**62.61**	**37.09**	**91.08**	**88.9**	**54.19**	**7.984**	**58.29**	**27.55**	**16.35**
Cobalt	13	0.2038	1.854	2.493	2.845	3.717	7.393	3.526	0.5178	0.9371	0.4263
Copper	28	1.995	**43.09**	3.002	0.413	4.648	**2314**	**46.74**	**139.2**	10.16	2.46
Iron	NAV	4284	24830	13010	41350	41280	12220	5168	15660	12860	6114
Lead	11	6.115	**126.8**	6.786	7.797	**90.95**	**1267**	**15.43**	**19.27**	**50.74**	5.981
Magnesium	NAV	317.3	1392	974.8	780.5	1019	614.5	359.5	1090	748	517.9
Manganese	220	8.873	40	85.56	49.43	101.9	175.7	97.42	9.783	28.45	22.4
Mercury	0.00051	ND	**0.123**	**0.024**	ND	**0.034**	**0.044**	**0.039**	**0.044**	**0.053**	**0.036**
Nickel	30	0.8202	7.483	3.728	12.44	14.15	22.36	10.93	2.453	3.39	1.526
Potassium	NAV	490	4076	1656	1321	1580	1654	633.6	3985	1988	1086
Selenium	0.21	ND	ND	ND	ND	ND	**1.379**	ND	**1.146**	ND	ND
Silver	2	ND	ND	ND	ND	ND	**3.472**	ND	ND	ND	ND
Sodium	NAV	23.19	61.43	38.89	40.52	116.5	335.1	440.7	186.3	128.8	22.98
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**9.388**	**58.91**	**32.18**	**108.4**	**113.1**	**18.83**	**9.574**	**11.28**	**11.94**	**9.943**
Zinc	8.5	**7.018**	**46.59**	**20.41**	**57.83**	**79.89**	**500.7**	**26.7**	**35.88**	**76.22**	**14.81**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3588.02 B93 (6-12") 5/21/1998	3588.06 B94 (6-12") 5/21/1998	3588.10 B95 (6-12") 5/21/1998	3588.14 B96 (6-12") 5/21/1998	3588.18 B97 (6-12") 5/21/1998	3588.22 B98 (6-12") 5/21/1998	3593.02 B99 (6-12") 5/26/1998	3665.12 B158 (6-12") 6/17/1998	3665.16 B159 (6-12") 6/17/1998	3665.19 B160 (6-12") 6/17/1998
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	ND	ND	ND	0.12J	0.14J	ND	ND	ND	0.15J
Benzo[a]pyrene	1.52	ND	ND	ND	ND	0.11J	ND	ND	ND	ND	0.13J
Benzo[b]fluoranthene	59.8	ND	ND	ND	ND	0.11J	0.16J	ND	ND	ND	0.14J
Benzo[g,h,I]perylene	119	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	148	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.13J
bis(2-Ethylhexyl)phthalate	0.925	ND	ND	ND	ND	0.1J	ND	ND	ND	ND	ND
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	ND	ND	ND	ND	0.17J	0.29J	ND	ND	ND	0.34
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.47J	0.27J	ND	0.43J	0.73J	0.5J	ND	0.23J	0.21J	0.9
Fluoranthene	122	ND	ND	ND	ND	0.24	0.21J	ND	ND	ND	0.3
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodiphenylamine	0.545	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	ND	ND	ND	0.16J	ND	ND	ND	ND
Pyrene	78.5	ND	ND	ND	ND	0.16J	0.2J	ND	ND	ND	0.4
Pyridine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	0.004	ND	ND	ND	0.003	0.02	ND	ND	ND	ND
4,4'-DDE	0.596	0.008	0.002	ND	0.003	0.008	0.166	0.008	ND	0.003	0.011
4,4'-DDT	0.0035	**0.032**	**0.004**	ND	0.002	**0.014**	**0.077**	**0.008**	ND	0.003	**0.019**
alpha-Chlordane	0.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan-Sulfate	0.0358	ND	ND	ND	ND	ND	0.009	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3588.02 B93 (6-12") 5/21/1998	3588.06 B94 (6-12") 5/21/1998	3588.10 B95 (6-12") 5/21/1998	3588.14 B96 (6-12") 5/21/1998	3588.18 B97 (6-12") 5/21/1998	3588.22 B98 (6-12") 5/21/1998	3593.02 B99 (6-12") 5/26/1998	3665.12 B158 (6-12") 6/17/1998	3665.16 B159 (6-12") 6/17/1998	3665.19 B160 (6-12") 6/17/1998
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	0.0105	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003
Heptachlor Epoxide	0.152	ND	ND	ND	ND	0.001	ND	ND	ND	ND	ND
Metals (mg/kg)											
Aluminum	50	**6587**	**7273**	**6776**	**1231**	**8665**	**2673**	**3319**	**2715**		**6285**
Antimony	0.27	**0.864**	**0.705**	**0.293**	**1.11**	**0.813**	**0.397**	**1.522**	**0.349**		**0.487**
Arsenic	9.9	9.735	9.53	7.075	**12.33**	9.33	7.349	4.823	1.328		8.398
Barium	283	18.68	21.47	50.99	96.83	35.87	108.4	25.33	15.24		16.27
Beryllium	10	0.49	0.7067	0.591	0.1224	0.6407	0.2846	0.2113	0.401		0.5945
Cadmium	0.36	ND	ND	ND	ND	ND	**0.415**	**8.552**	0.1991		ND
Calcium	NAV	393.2	502.8	1605	383.6	1533	1042	1011	230.8		705.6
Chromium	0.4	**56.44**	**57.07**	**28.21**	**11.51**	**41.47**	**11.65**	**20.07**	**20.65**		**48.92**
Cobalt	13	1.026	3.164	4.892	1.152	3.802	2.666	2.289	0.3999		2.458
Copper	28	11.74	2.615	19.37	26.15	14.07	**48.11**	**1168**	1.01		7.446
Iron	NAV	21140	28210	10070	7920	21290	4878	7295	7173		25200
Lead	11	**30.17**	**131.3**	**18.73**	**78.99**	**46.73**	**69.52**	**4549**	3.345		**22.86**
Magnesium	NAV	879	895	1135	286	1372	342.3	783.4	712.5		914.9
Manganese	220	16.42	67.3	32.46	15.55	78.04	59.09	**2581**	20.15		50.78
Mercury	0.00051	**0.051**	**0.024**	**0.05**	**0.184**	**0.099**	**0.34**	**4.465**	ND		**0.032**
Nickel	30	4.015	8.536	14.98	4.765	11.81	8.137	6.487	1.697		6.746
Potassium	NAV	2804	2075	2495	472.2	3002	456	1426	1740		1640
Selenium	0.21	ND	ND	**0.627**	**3.91**	ND	**1.474**	**0.504**	ND		ND
Silver	2	ND	ND	ND	ND	ND	0.421	**37.83**	ND		ND
Sodium	NAV	91.43	37.29	216.6	58.66	183.9	177.3	235.1	61.53		62.96
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND		ND
Vanadium	2	**51.64**	**75.4**	**25.26**	**9.353**	**50.3**	**10.97**	**16.76**	**11.98**		**58.35**
Zinc	8.5	**27.7**	**41.81**	**27.54**	**13.94**	**43.54**	**73.52**	**9772**	**15.95**		**39.62**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3665.22 B161 (6-12") 6/17/1998	3686.04 B162 (6-12") 6/26/1998	3686.07 B163 (6-12") 6/26/1998	3686.10 B164 (6-12") 6/26/1998	3688.02 B165 (6-12") 6/29/1998	3688.06 B166 (6-12") 6/29/1998	3688.09 B167 (6-12") 6/29/1998	3688.12 B168 (6-12") 6/29/1998	3688.15 B169 (6-12") 6/29/1998	3722.12 B178 (6-12") 7/13/1998
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	ND	0.59	ND	ND	ND	0.28	ND	ND	ND
Benzo[a]pyrene	1.52	ND	ND	0.53	ND	ND	ND	0.21	ND	ND	ND
Benzo[b]fluoranthene	59.8	ND	ND	0.61	ND	ND	0.17J	0.2J	ND	ND	ND
Benzo[g,h,I]perylene	119	ND	ND	0.31	ND	ND	ND	0.14J	ND	ND	ND
Benzo[k]fluoranthene	148	ND	ND	0.63	ND	ND	0.14J	0.22	ND	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	ND	ND	**13.0**	ND	ND	ND	ND	ND	ND	ND
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	ND	ND	1.1	ND	ND	0.16J	0.58	ND	ND	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.18J	0.46J	1.1	0.38J	0.24J	0.29J	0.12J	0.48J	0.19J	0.58J
Fluoranthene	122	ND	ND	0.83	ND	ND	ND	0.47	ND	ND	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	0.29	ND	ND	0.12J	0.12J	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodiphenylamine	0.545	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	0.23	ND	ND	ND	0.74	ND	ND	ND
Pyrene	78.5	ND	ND	1.1	ND	0.11J	ND	0.92	ND	ND	ND
Pyridine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	ND	ND	ND	ND	ND	ND	0.016	ND	ND	ND
4,4'-DDE	0.596	ND	ND	ND	ND	0.011	0.003	0.067	0.003	ND	ND
4,4'-DDT	0.0035	ND	ND	ND	ND	**0.01**	**0.01**	**0.091**	0.002	ND	ND
alpha-Chlordane	0.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan-Sulfate	0.0358	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3665.22 B161 (6-12") 6/17/1998	3686.04 B162 (6-12") 6/26/1998	3686.07 B163 (6-12") 6/26/1998	3686.10 B164 (6-12") 6/26/1998	3688.02 B165 (6-12") 6/29/1998	3688.06 B166 (6-12") 6/29/1998	3688.09 B167 (6-12") 6/29/1998	3688.12 B168 (6-12") 6/29/1998	3688.15 B169 (6-12") 6/29/1998	3722.12 B178 (6-12") 7/13/1998
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	0.0105	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)											
Aluminum	50	**5319**	**2685**	**7000**	**1807**	**5053**	**9267**	**6171**	**3375**	**1764**	**5330**
Antimony	0.27	**0.579**	**0.337**	**4.693**	**0.31**	**0.822**	**1.298**	**0.638**	ND	**0.368**	**0.54**
Arsenic	9.9	4.368	5.292	**67.77**	0.977	6.525	**17.45**	9.463	4.215	3.946	6.39
Barium	283	11.72	35.73	180.7	8.533	15.48	14.34	54.63	31.47	45.13	21.4
Beryllium	10	0.4884	0.2658	0.562	0.3014	0.4805	0.5758	0.5529	0.3019	0.1749	0.728
Cadmium	0.36	ND	**0.4376**	ND	**0.4001**	0.2383	ND	0.3187	**0.3736**	0.3013	ND
Calcium	NAV	395	1154	9589	211.4	665	441.5	1435	1273	624.1	851
Chromium	0.4	**41.48**	**13.87**	**65.41**	**14.53**	**55.07**	**72.9**	**47.49**	**10.58**	**3.82**	**58.8**
Cobalt	13	1.602	2.082	**14.15**	0.2978	0.9522	0.8807	2.798	4.252	1.702	1.22
Copper	28	1.858	23.12	**433**	1.341	12.07	7.172	**38.89**	20.07	14.28	4.95
Iron	NAV	13430	5905	131900	5494	18160	30120	21260	4301	2469	19400
Lead	11	4.473	**46.83**	**98.63**	2.754	**42.83**	**14.31**	**94.14**	**20.43**	**18.74**	7.58
Magnesium	NAV	1036	494.8	1008	363.8	983.2	902.7	1306	468.3	159.2	1620
Manganese	220	34.64	24.99	**623.9**	17.74	30.92	12.46	59.92	34.87	17.16	38.7
Mercury	0.00051	ND	**0.031**	**0.067**	ND	**0.051**	**0.064**	**0.101**	**0.025**	ND	**1.68**
Nickel	30	2.982	5.629	**67.18**	1.4	3.563	4.461	8.902	11.23	4.544	3.57
Potassium	NAV	2860	716.6	1579	587.3	2960	2850	3105	598.3	193.8	3980
Selenium	0.21	ND	ND	ND	ND	ND	**0.371**	**0.342**	ND	ND	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	ND	134.2	953.4	4.653	46.52	7.854	690	226.4	147.4	84.8
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**30.25**	**17.05**	**15.28**	**10.23**	**43.13**	**62.26**	**41.98**	**14.73**	**9.161**	**18.3**
Zinc	8.5	**17.6**	**29.63**	**457.1**	**13.81**	**37.72**	**32.28**	**61.39**	**28.85**	**11.74**	**48.4**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3722.15 B179 (6-12") 7/13/1998	3722.18 B180 (6-12") 7/13/1998	3722.21 B181 (6-12") 7/13/1998	3805.02 B197 (6-12") 8/12/1998	3805.04 B198 (6-12") 8/12/1998	3805.06 B199 (6-12") 8/12/1998	3805.08 B200 (6-12") 8/12/1998	3805.10 B201 (6-12") 8/12/1998	3805.12 B202 (6-12") 8/12/1998	3805.14 B203 (6-12") 8/12/1998
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	0.078J	ND	ND	0.53	ND
Anthracene	1,480	ND	ND	ND	ND	ND	ND	ND	0.28	0.39	ND
Benzo[a]anthracene	5.21	ND	0.14J	ND	ND	ND	0.23J	0.13J	0.47	2.7	0.26
Benzo[a]pyrene	1.52	ND	ND	ND	ND	ND	0.24	0.13J	0.39	**2.9**	0.26
Benzo[b]fluoranthene	59.8	ND	0.11J	ND	ND	ND	0.22J	0.16J	0.36	3.1	0.23J
Benzo[g,h,I]perylene	119	ND	ND	ND	ND	ND	ND	ND	ND	2.2	0.14J
Benzo[k]fluoranthene	148	ND	ND	ND	ND	ND	0.23	0.17J	0.36	2.8	0.25
bis(2-Ethylhexyl)phthalate	0.925	0.11J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	ND	0.39	ND	ND	ND	0.46	0.29	0.67	**4.9**	0.49
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	1.5	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.31J	0.61J	0.76J	ND	0.72J	0.7J	0.63J	1.2	0.57J	0.21J
Fluoranthene	122	ND	0.23	ND	ND	ND	0.4	0.17J	1.1	4.5	0.51
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	ND	ND	ND	ND	ND	2.1	0.15J
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	**0.13J**	ND
n-Nitrosodiphenylamine	0.545	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	0.25	ND	ND	ND	0.26	ND	1.0	2.1	0.38
Pyrene	78.5	ND	0.37	ND	ND	ND	0.56	0.26	0.95	5.1	0.74
Pyridine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	ND	ND	ND	0.001	0.001	0.116	ND	ND	ND	0.031
4,4'-DDE	0.596	0.002	0.006	ND	0.033	0.017	0.26	0.01	0.047	0.016	0.102
4,4'-DDT	0.0035	0.002	**0.009**	ND	**0.015**	**0.019**	**1.321**	**0.01**	ND	**0.054**	**0.34**
alpha-Chlordane	0.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.371	ND	ND	ND	ND	ND	ND	ND	**1.499**	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan-Sulfate	0.0358	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3722.15 B179 (6-12") 7/13/1998	3722.18 B180 (6-12") 7/13/1998	3722.21 B181 (6-12") 7/13/1998	3805.02 B197 (6-12") 8/12/1998	3805.04 B198 (6-12") 8/12/1998	3805.06 B199 (6-12") 8/12/1998	3805.08 B200 (6-12") 8/12/1998	3805.10 B201 (6-12") 8/12/1998	3805.12 B202 (6-12") 8/12/1998	3805.14 B203 (6-12") 8/12/1998
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	0.0105	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)											
Aluminum	50	**1710**	**10000**	**12500**	**5970**	**4720**	**9820**	**10500**	**5920**	**5990**	**6500**
Antimony	0.27	**0.391**	**0.537**	**1.16**	**0.253**	**1.48**	**6.56**	**0.35**	**0.617**	**0.751**	**0.359**
Arsenic	9.9	1.55	**9.99**	**11.6**	4.98	**59.1**	**11.5**	8.59	5.5	7.11	6.34
Barium	283	5.27	42.8	14.2	47.1	68.6	**363**	147	84.6	113	25.5
Beryllium	10	0.255	1.35	1.8	0.53	0.548	0.9	0.743	0.92	0.58	0.428
Cadmium	0.36	ND	ND	ND	ND	ND	ND	**0.543**	**0.929**	ND	ND
Calcium	NAV	127	1240	86.4	1720	918	537	1390	1500	455	2470
Chromium	0.4	**19.6**	**110**	**139**	**17.1**	**19.5**	**77.4**	**25.8**	**37.8**	**49.8**	**36**
Cobalt	13	0.247	1.97	1.1	5.69	11.4	5.14	7.57	5.81	1.98	4.27
Copper	28	1	7.44	ND	**37.8**	**92.6**	**122**	**38.6**	**47.3**	**77.4**	**36.4**
Iron	NAV	7740	35100	48800	7220	38400	33400	15300	12600	23300	14600
Lead	11	7.32	**14.6**	6.18	**40**	**119**	**494**	**37.6**	**62.8**	**268**	**23.8**
Magnesium	NAV	436	4220	1660	791	491	1700	900	1430	1680	2450
Manganese	220	4.3	45.3	17.6	47.8	121	143	126	**332**	39.1	83.9
Mercury	0.00051	**0.013**	**0.042**	**0.028**	**0.063**	**0.029**	**0.153**	**0.044**	**0.391**	**0.115**	**0.602**
Nickel	30	1.14	5.91	6.24	14.9	18.2	23.6	19.6	10.5	5.95	11
Potassium	NAV	774	9010	3210	1300	1330	4160	3580	3670	3720	3560
Selenium	0.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	42.6	109	56.6	290	393	535	485	526	566	411
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	0.498	ND
Vanadium	2	**17**	**40.3**	**92.1**	**23.2**	**17.5**	**43.5**	**30.9**	**25.3**	**31.2**	**36.7**
Zinc	8.5	**10.5**	**51.5**	**44.9**	**31.9**	**114**	**116**	**80.2**	**514**	**38.1**	**39.2**

See Notes at End of Table

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3805.16 B204 (6-12") 8/12/1998	3805.18 B205 (6-12") 8/12/1998	3805.20 B206 (6-12") 8/12/1998	3805.22 B207 (6-12") 8/12/1998	3805.24 B208 (6-12") 8/12/1998	3805.26 B209 (6-12") 8/12/1998	3805.28 B210 (6-12") 8/12/1998	3805.30 B211 (6-12") 8/12/1998	3809.02 B212 (6-12") 8/13/1998	3809.04 B213 (6-12") 8/13/1998
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	0.12J	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	0.26	ND	ND	ND	ND
Anthracene	1,480	ND	ND	ND	ND	ND	0.2	ND	ND	ND	ND
Benzo[a]anthracene	5.21	0.12J	ND	ND	ND	ND	ND	0.11J	ND	0.23J	0.2J
Benzo[a]pyrene	1.52	ND	ND	ND	ND	ND	0.4	ND	ND	0.2J	0.22J
Benzo[b]fluoranthene	59.8	ND	ND	ND	ND	ND	0.53	ND	ND	0.18J	0.19J
Benzo[g,h,I]perylene	119	ND	ND	ND	ND	ND	0.19J	ND	ND	0.21J	ND
Benzo[k]fluoranthene	148	ND	ND	ND	ND	ND	ND	ND	ND	0.22J	0.24J
bis(2-Ethylhexyl)phthalate	0.925	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	0.24J	ND	ND	ND	ND	ND	0.24J	ND	0.36J	0.46J
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	0.17J	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.21J	0.27J	0.24J	ND	0.25J	0.54J	0.84	0.58J	0.33J	0.67J
Fluoranthene	122	0.14J	ND	ND	ND	ND	1.4	0.19J	0.16J	0.37J	0.37J
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	ND	ND	0.19J	ND	ND	0.12J	0.14J
Naphthalene	0.0994	ND	ND	ND	ND	ND	**0.12J**	ND	ND	ND	ND
n-Nitrosodiphenylamine	0.545	ND	ND	ND	ND	ND	ND	0.06J	ND	ND	ND
Phenanthrene	45.7	ND	ND	ND	ND	ND	0.76	ND	0.15J	0.14J	0.28J
Pyrene	78.5	0.26	ND	ND	ND	ND	1.1	0.26	0.27	0.4J	0.56J
Pyridine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	0.004	ND	0.003	ND	ND	0.025	0.014	0.008	ND	**0.814**
4,4'-DDE	0.596	0.024	ND	0.004	ND	0.005	0.028	0.057	0.057	ND	0.473
4,4'-DDT	0.0035	**0.019**	ND	0.003	ND	**0.006**	**0.167**	**0.025**	**0.014**	ND	**1.042**
alpha-Chlordane	0.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.371	ND	ND	ND	0.165	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan-Sulfate	0.0358	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3805.16 B204 (6-12") 8/12/1998	3805.18 B205 (6-12") 8/12/1998	3805.20 B206 (6-12") 8/12/1998	3805.22 B207 (6-12") 8/12/1998	3805.24 B208 (6-12") 8/12/1998	3805.26 B209 (6-12") 8/12/1998	3805.28 B210 (6-12") 8/12/1998	3805.30 B211 (6-12") 8/12/1998	3809.02 B212 (6-12") 8/13/1998	3809.04 B213 (6-12") 8/13/1998
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	0.0105	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)											
Aluminum	50	**3940**	**4920**	**12300**	**3020**	**3420**	**6840**	**5330**	**958**	**3050**	**3690**
Antimony	0.27	ND	ND	ND	**0.411**	**0.737**	**0.87**	**0.665**	ND	ND	**0.466**
Arsenic	9.9	5.27	7.61	8.46	6.07	**10.7**	8.17	9.51	1.23	9	**10.5**
Barium	283	35.5	61.6	99.6	22.3	71.1	59.7	43.6	129	55.3	70.3
Beryllium	10	0.389	0.354	0.985	0.288	0.525	0.671	0.525	0.0934	0.423	0.492
Cadmium	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	NAV	1100	1010	1270	670	714	1740	2000	405	1440	777
Chromium	0.4	**19.8**	**12.9**	**26.4**	**18.4**	**32**	**43.7**	**36.8**	**2.75**	**5.38**	**26.1**
Cobalt	13	4.61	4.8	9.39	3.91	2.42	3.08	2.66	1.56	2.47	2.82
Copper	28	**35**	18.1	**110**	**31.8**	**58**	**36.6**	26.3	12.1	14.6	**33.1**
Iron	NAV	8620	5100	10200	15100	14800	18600	15500	2220	5180	16000
Lead	11	**35**	**28.6**	**39.9**	**12.6**	**135**	**289**	**73.8**	**7.32**	**25.3**	**146**
Magnesium	NAV	630	342	540	329	995	1800	1850	136	316	918
Manganese	220	61.8	21.1	63.2	65.6	36.2	72.7	73.2	25.5	23.1	105
Mercury	0.00051	**0.064**	ND	ND	**0.047**	**0.075**	**0.072**	**0.036**	ND	**0.041**	**0.645**
Nickel	30	8.78	14.5	24.5	11.9	7.99	10.4	7.49	3.63	5.3	11
Potassium	NAV	1470	989	2280	852	3150	2920	3840	248	369	2690
Selenium	0.21	ND	**1.24**	ND	**0.606**	ND	ND	ND	ND	ND	**0.618**
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	207	339	460	252	404	294	327	159	349	412
Thallium	1	ND	ND	ND	ND	0.505	ND	ND	0.422	0.437	ND
Vanadium	2	**22.9**	**23.7**	**31.5**	**17.1**	**21.1**	**38.1**	**32.7**	**5.82**	**11.2**	**21.5**
Zinc	8.5	**29.2**	**27.2**	**31.8**	**165**	**48.9**	**197**	**48**	**11.7**	**22.3**	**178**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3809.06 B214 (6-12") 8/13/1998	3809.08 B215 (6-12") 8/13/1998	3809.10 B216 (6-12") 8/13/1998	3809.12 B217 (6-12") 8/13/1998	3809.14 B218 (6-12") 8/13/1998	3809.16 B219 (6-12") 8/13/1998	3809.18 B220 (6-12") 8/13/1998	3809.20 B221 (6-12") 8/13/1998	3809.22 B222 (6-12") 8/13/1998	3812.02 B223 (6-12") 8/14/1998
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	**6.6**	ND	ND	ND
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	3.3	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	0.48J	ND	5.2	0.12J	ND	0.26J
Anthracene	1,480	ND	ND	ND	ND	0.25J	ND	6	ND	ND	0.15J
Benzo[a]anthracene	5.21	0.12J	ND	0.14J	ND	1.0J	0.11J	0.01	0.32J	0.16J	0.7J
Benzo[a]pyrene	1.52	ND	ND	ND	ND	1.0J	ND	**6700**	0.36J	0.13J	0.77J
Benzo[b]fluoranthene	59.8	ND	ND	ND	ND	1.1	0.17J	9.5	0.33J	0.14J	0.67J
Benzo[g,h,I]perylene	119	ND	ND	ND	ND	0.49J	ND	2.0	ND	ND	0.49J
Benzo[k]fluoranthene	148	ND	ND	ND	ND	1.2	ND	1.3	0.43J	0.18J	0.72J
bis(2-Ethylhexyl)phthalate	0.925	ND	ND	ND	ND	ND	0.12J	ND	ND	ND	ND
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	0.24J	ND	0.28J	ND	2.5	0.28J	0.03	0.68J	0.29J	1.5
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	1.4	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	0.83J	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.26J	0.66J	0.25J	0.19J	0.65J	0.38J	0.49J	0.22J	1.0 J	0.31J
Fluoranthene	122	0.22J	0.16J	0.28J	0.19J	2.9	0.22J	0.02	0.64J	0.27J	1.3
Fluorene	122	ND	ND	ND	ND	ND	ND	8.0	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	ND	0.55J	ND	2.0	ND	ND	0.55J
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	**3.6**	ND	ND	ND
n-Nitrosodiphenylamine	0.545	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	0.19J	0.16J	ND	0.14J	1.3	0.11J	0.06	0.56J	0.22J	1.0J
Pyrene	78.5	0.31J	0.27J	0.34J	0.18J	3.5	0.28J	0.04	0.9J	0.37J	1.9
Pyridine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	0.214	0.004	0.008	0.012	0.17	0.082	0.021	**2.225**	0.03	ND
4,4'-DDE	0.596	0.313	0.013	0.088	0.013	0.315	0.233	0.104	0.433	0.068	**0.644**
4,4'-DDT	0.0035	**0.463**	**0.015**	**0.106**	**0.039**	**0.444**	**0.472**	**0.15**	**5.604**	**0.427**	**1.237**
alpha-Chlordane	0.22	ND	ND	ND	0.001	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	**0.004**	ND	ND	ND	ND	ND	ND
Endosulfan II	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan-Sulfate	0.0358	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3809.06 B214 (6-12") 8/13/1998	3809.08 B215 (6-12") 8/13/1998	3809.10 B216 (6-12") 8/13/1998	3809.12 B217 (6-12") 8/13/1998	3809.14 B218 (6-12") 8/13/1998	3809.16 B219 (6-12") 8/13/1998	3809.18 B220 (6-12") 8/13/1998	3809.20 B221 (6-12") 8/13/1998	3809.22 B222 (6-12") 8/13/1998	3812.02 B223 (6-12") 8/14/1998
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	0.0105	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.061**
gamma-Chlordane	0.224	ND	ND	ND	0.004	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	0.004	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	0.023	ND	ND	ND	ND	ND	ND
Metals (mg/kg)											
Aluminum	50	**6270**	**7680**	**10900**	**8370**	**2150**	**3880**	**4400**	**7220**	**6310**	**8000**
Antimony	0.27	**1.24**	**0.827**	**1.7**	ND	ND	**0.285**	**0.763**	**1.38**	**0.483**	**0.759**
Arsenic	9.9	**10.9**	6.37	**18.5**	5.26	5.78	7.42	**10**	9.59	**10.2**	8.04
Barium	283	42.5	28.8	9.95	25	24.4	98.9	70.6	55.2	26	40.3
Beryllium	10	0.591	0.885	1.27	0.422	0.227	0.804	0.534	1.1	0.446	0.764
Cadmium	0.36	ND	ND	ND	ND	ND	0.115	ND	ND	ND	ND
Calcium	NAV	320	747	511	774	901	1700	983	654	314	1210
Chromium	0.4	**67.3**	**78.2**	**122**	**28.8**	**12.9**	**21.4**	**37.5**	**74.3**	**69**	**60.4**
Cobalt	13	0.937	1.07	0.799	1.68	1.77	2.73	2.52	1.09	1.08	2.47
Copper	28	7.75	4.39	3.87	4.41	24.9	**30.3**	**29.8**	**32.9**	4.04	22
Iron	NAV	36000	24600	36400	11900	6370	10700	19400	28900	17800	21500
Lead	11	**20.2**	**11.8**	**12.6**	**23.4**	**54.3**	**117**	**122**	**137**	**12.9**	**67.7**
Magnesium	NAV	2080	2350	3600	1120	443	2390	1440	2280	1680	2160
Manganese	220	13	31.9	26.6	48.9	30	103	49.5	20.7	12.9	69.5
Mercury	0.00051	**0.244**	**0.061**	**0.042**	**0.095**	**0.159**	**0.236**	**2.341**	**0.392**	**0.197**	**0.096**
Nickel	30	4.41	4.35	4.77	4.55	4.61	6.11	6.6	5.86	4.76	8.15
Potassium	NAV	4850	4890	6900	3200	882	2270	4340	4950	5820	4300
Selenium	0.21	ND	ND	ND	ND	**0.582**	ND	ND	ND	**0.353**	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	650	132	101	95.2	142	491	386	723	572	168
Thallium	1	0.564	0.531	0.738	ND	0.348	ND	0.54	ND	0.527	ND
Vanadium	2	**38.4**	**48.5**	**45.5**	**24.2**	**16**	**20.5**	**28.3**	**34.4**	**38.7**	**41.8**
Zinc	8.5	**27.8**	**43.1**	**34**	**28.6**	**30.6**	**67.3**	**57.2**	**62**	**25.8**	**79.5**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3812.04 B224 (6-12") 8/14/1998	3812.06 B225 (6-12") 8/14/1998	3812.08 B226 (6-12") 8/14/1998	3812.10 B227 (6-12") 8/14/1998	3812.12 B228 (6-12") 8/14/1998	3812.14 B229 (6-12") 8/14/1998	3812.16 B230 (6-12") 8/14/1998	3812.18 B231 (6-12") 8/14/1998	3827.02 B232 (6-12") 8/25/1998	3827.04 B233 (6-12") 8/25/1998
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	0.12J	0.11J	ND	ND	ND	ND	ND	ND	0.23J
Anthracene	1,480	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.17J
Benzo[a]anthracene	5.21	ND	0.24J	0.28J	ND	ND	0.16J	0.19J	0.13J	ND	0.57J
Benzo[a]pyrene	1.52	ND	0.28J	0.32J	ND	ND	0.15J	0.21J	0.15J	ND	0.57J
Benzo[b]fluoranthene	59.8	ND	0.32J	0.31J	ND	ND	0.13J	0.18J	0.14J	ND	0.45J
Benzo[g,h,I]perylene	119	ND	0.21J	0.19J	ND	ND	ND	0.13J	ND	ND	0.29J
Benzo[k]fluoranthene	148	ND	0.38J	0.36J	ND	ND	0.2J	0.21J	0.16J	ND	0.62J
bis(2-Ethylhexyl)phthalate	0.925	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	ND	0.72J	0.61J	ND	0.2J	0.34J	0.45J	0.35J	ND	1.0J
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.49J	0.21J	0.53J	0.21J	0.67J	0.71J	0.47J	0.16J	0.42J	0.45J
Fluoranthene	122	0.095J	0.71J	0.5J	ND	0.16J	0.29J	0.36J	0.25J	0.13J	0.95J
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	0.2J	0.2J	ND	ND	ND	0.12J	ND	ND	0.33J
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodiphenylamine	0.545	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	0.42J	0.36J	ND	0.17J	0.28J	0.31J	ND	ND	0.59J
Pyrene	78.5	0.11J	0.89J	0.7J	0.14J	0.27J	0.43J	0.55J	0.38J	0.2J	1.2
Pyridine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	0.004	0.048	0.164	0.276	0.419	0.179	0.127	0.089	0.181	0.068
4,4'-DDE	0.596	0.024	0.422	**0.612**	0.241	0.262	0.169	0.483	0.366	0.383	0.104
4,4'-DDT	0.0035	**0.05**	**1.0**	**0.973**	**0.859**	ND	**1.07**	**0.833**	**0.626**	**1.344**	**0.345**
alpha-Chlordane	0.22	ND	ND	ND	ND	ND	ND	ND	ND	0.01	ND
Aroclor 1254	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	**0.003**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan-Sulfate	0.0358	ND	ND	ND	ND	**2.215**	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3812.04 B224 (6-12") 8/14/1998	3812.06 B225 (6-12") 8/14/1998	3812.08 B226 (6-12") 8/14/1998	3812.10 B227 (6-12") 8/14/1998	3812.12 B228 (6-12") 8/14/1998	3812.14 B229 (6-12") 8/14/1998	3812.16 B230 (6-12") 8/14/1998	3812.18 B231 (6-12") 8/14/1998	3827.02 B232 (6-12") 8/25/1998	3827.04 B233 (6-12") 8/25/1998
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	0.0105	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	0.002	ND	ND	ND	ND	ND	ND	ND	0.007	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)											
Aluminum	50	**8920**	**3360**	**5370**	**6730**	**8520**	**4570**	**6620**	**7420**	**7250**	**3370**
Antimony	0.27	ND	**0.444**	**0.648**	No Data	**1.17**	**1.06**	**0.918**	**1.12**	**1.28**	**0.374**
Arsenic	9.9	4.76	6.16	7.7	6.64	8.79	**11**	9.13	7.76	9.52	6.66
Barium	283	25.7	28.3	47.9	38.5	39.9	31.5	19	31	45.3	35.5
Beryllium	10	0.399	0.336	0.719	0.916	1.43	0.514	0.723	0.786	0.958	0.5
Cadmium	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	NAV	606	631	1020	519	395	344	420	786	862	708
Chromium	0.4	**27.1**	**22.4**	**44.1**	**73.2**	**92.1**	**51.5**	**62.7**	**59.1**	**74.3**	**20.6**
Cobalt	13	1.6	1.47	2.1	0.94	1.42	0.718	1.55	2.61	1.36	3.37
Copper	28	3.7	23.1	**32.9**	8.81	5.93	17.7	11.6	12.9	14.2	11.9
Iron	NAV	11300	10800	18800	25700	30100	30800	20200	26600	29600	12200
Lead	11	**15.3**	**81.2**	**111**	**21.4**	**23.9**	**18.8**	**36.3**	**47.5**	**55.9**	**25.5**
Magnesium	NAV	1040	748	1470	2690	2940	1530	1890	1430	2260	684
Manganese	220	46.6	29.2	40	11.5	26.8	10.5	45.2	45.2	21.2	61.6
Mercury	0.00051	**0.351**	**0.301**	**0.283**	**0.198**	**0.212**	**0.182**	**0.067**	**0.078**	**0.278**	**0.22**
Nickel	30	4.31	5.43	7.43	4.49	5.39	3.49	5.19	9.07	6.07	6.49
Potassium	NAV	3180	1920	4750	5430	6580	3610	3780	5360	4740	1950
Selenium	0.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	94.2	262	448	483	315	565	135	241	360	297
Thallium	1	ND	0.457	0.457	0.898	0.567	0.69	ND	0.429	0.725	0.456
Vanadium	2	**23.5**	**23.1**	**28.9**	**24.8**	**32.1**	**34**	**42.3**	**60.8**	**40.3**	**15.7**
Zinc	8.5	**22.5**	**48**	**50.3**	**34.3**	**50.8**	**43.5**	**32.1**	**36.3**	**43.4**	**59.6**

See Notes at End of Table

Table A-4
Soil Sampling Results
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3827.06 B234 (6-12") 8/25/1998	3827.08 B235 (6-12") 8/25/1998	3827.10 B236 (6-12") 8/25/1998	3836.02 B237 (6-12") 8/26/1998	3836.04 B238 (6-12") 8/26/1998	3836.06 B239 (6-12") 8/26/1998	3836.08 B240 (6-12") 8/26/1998	3836.10 B241 (6-12") 8/26/1998	3836.12 B242 (6-12") 8/26/1998	3836.14 B243 (6-12") 8/26/1998
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	0.21 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	0.2J	ND	ND	0.34J	0.26J	ND	ND	ND
Anthracene	1,480	0.75 J	ND	0.12J	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	2.1	0.22J	0.38J	0.22J	0.2J	0.55J	0.51J	ND	ND	ND
Benzo[a]pyrene	1.52	**1600**	0.21J	0.4J	ND	ND	0.56J	0.51J	ND	ND	ND
Benzo[b]fluoranthene	59.8	1.6	0.2J	0.34J	ND	ND	0.5J	0.41J	ND	ND	ND
Benzo[g,h,I]perylene	119	0.65J	0.12J	0.19J	ND	ND	0.23J	0.22J	ND	ND	ND
Benzo[k]fluoranthene	148	1.6	0.24J	0.42J	ND	ND	0.52J	0.47J	ND	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	0.13 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	3.1	0.45J	0.86J	0.49J	0.41J	1.3	1.1	ND	ND	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.58 J	0.41J	0.28J	0.32J	ND	0.19J	0.44J	0.42J	ND	0.29J
Fluoranthene	122	5.1	0.41J	0.7J	0.31J	0.35J	0.95J	0.85J	0.25J	0.18J	ND
Fluorene	122	0.26 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	0.88 J	ND	0.18J	ND	ND	0.24J	0.21J	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodiphenylamine	0.545	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	3.2	0.37J	0.67J	0.3J	0.44J	1.0J	0.99J	0.21J	ND	ND
Pyrene	78.5	4.7	0.57J	1.1	0.61J	0.58J	1.8	1.6	0.39J	0.31J	ND
Pyridine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	0.143	0.209	0.158	0.021	0.033	**0.779**	0.287	0.077	0.056	0.037
4,4'-DDE	0.596	0.08	0.204	0.272	0.275	0.412	0.592	0.445	0.195	0.036	0.135
4,4'-DDT	0.0035	**1.143**	**1.028**	**1.28**	**0.65**	**1.438**	**2.914**	**1.636**	**0.599**	**0.07**	**0.62**
alpha-Chlordane	0.22	ND	ND	ND	0.011	0.007	0.003	0.002	ND	ND	ND
Aroclor 1254	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	**0.049**	ND	ND	ND	ND
Endosulfan II	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan-Sulfate	0.0358	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See Notes at End of Table

Table A-4
Soil Sampling Results
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3827.06 B234 (6-12") 8/25/1998	3827.08 B235 (6-12") 8/25/1998	3827.10 B236 (6-12") 8/25/1998	3836.02 B237 (6-12") 8/26/1998	3836.04 B238 (6-12") 8/26/1998	3836.06 B239 (6-12") 8/26/1998	3836.08 B240 (6-12") 8/26/1998	3836.10 B241 (6-12") 8/26/1998	3836.12 B242 (6-12") 8/26/1998	3836.14 B243 (6-12") 8/26/1998
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	0.0105	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	0.012	0.007	0.004	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)											
Aluminum	50	**4870**	**5200**	**10200**	**4020**	**6180**	**5840**	**7580**	**5080**	**5800**	**7380**
Antimony	0.27	**0.9**	**1.04**	**1.67**	**0.604**	**0.948**	**0.721**	**1.16**	**0.821**	**0.593**	**1.15**
Arsenic	9.9	6.23	7.87	9.48	5.11	8.95	9.08	**12.6**	7.6	6.45	**10**
Barium	283	25.8	36.4	36.3	16.8	20.1	49.4	48.1	46.5	24.5	51
Beryllium	10	0.861	0.887	1.39	0.479	0.733	0.799	0.949	1.15	0.736	0.927
Cadmium	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	NAV	199	442	583	595	290	371	421	332	575	427
Chromium	0.4	**55.4**	**57.3**	**112**	**40.3**	**59.8**	**61.8**	**71.4**	**52.1**	**45.8**	**72**
Cobalt	13	0.88	0.948	1.67	1.79	2.79	1.01	1.26	1.11	0.951	2.04
Copper	28	2.95	10.5	5.84	8.44	1.78	17.6	18.4	6.5	7.62	12.3
Iron	NAV	19900	22900	41300	17300	31700	24100	28500	21100	17000	33900
Lead	11	**14.4**	**30.7**	**21.9**	**26**	**13.4**	**50.6**	**55.8**	**28.5**	**19.4**	**17**
Magnesium	NAV	1640	1690	4380	928	872	1690	2060	1470	1420	1930
Manganese	220	14.7	14.1	15.7	53.3	60.2	13.9	16.9	13	28.1	24.9
Mercury	0.00051	**0.213**	**0.288**	**0.217**	**0.037**	**0.015**	**0.38**	**0.391**	**0.332**	**0.19**	**0.255**
Nickel	30	3.35	4.77	6.44	5.85	7.59	4.97	6.16	5	**431**	8.64
Potassium	NAV	6550	3720	10200	2360	2490	6150	4130	5540	4830	7840
Selenium	0.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	194	431	582	104	97	320	374	304	362	898
Thallium	1	0.68	0.475	0.589	0.402	0.57	0.606	**1.06**	**1.03**	0.426	0.71
Vanadium	2	**17.6**	**22.7**	**51.8**	**39.8**	**74.9**	**28.9**	**40.4**	**21.3**	**19.8**	**59.3**
Zinc	8.5	**28.8**	**43.8**	**43.6**	**39.1**	**46.3**	**39.6**	**43.7**	**43.8**	**53.5**	**35.8**

See Notes at End of Table

Table A-4
Soil Sampling Results
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3836.16 B244 (6-12") 8/26/1998	3836.18 B245 (6-12") 8/26/1998	3836.20 B246 (6-12") 8/26/1998	3836.22 B247 (6-12") 8/26/1998	3836.24 B248 (6-12") 8/26/1998	3836.26 B249 (6-12") 8/26/1998	3836.28 B250 (6-12") 8/26/1998	3836.30 B251 (6-12") 8/26/1998	3836.32 B252 (6-12") 8/26/1998	3836.34 B253 (6-12") 8/26/1998	3836.36 B254 (6-12") 8/26/1998
Semi-Volatiles (mg/kg)												
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	0.21J	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.25J
Anthracene	1,480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	0.41J	0.22J	ND	ND	ND	ND	ND	ND	0.22J	ND	0.69J
Benzo[a]pyrene	1.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.52J
Benzo[b]fluoranthene	59.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.48J
Benzo[g,h,I]perylene	119	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.32J
Benzo[k]fluoranthene	148	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.51J
bis(2-Ethylhexyl)phthalate	0.925	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	0.88J	0.46J	ND	ND	ND	ND	ND	ND	0.43J	ND	1.4
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.96J	0.46J	0.96J	0.44J	0.44J	0.35J	0.78J	0.39J	0.37J	ND	ND
Fluoranthene	122	0.72J	0.42J	0.36J	0.19J	0.19J	ND	0.31J	0.29J	0.3J	ND	1.3
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.31J
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodiphenylamine	0.545	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	1.1	0.44J	0.36J	ND	ND	ND	0.4J	0.3J	0.24J	ND	1.8
Pyrene	78.5	1.4	0.68J	0.57J	0.31J	0.3J	ND	0.56J	0.45J	0.57J	ND	2.4
Pyridine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides/PCBs (mg/kg)												
4,4'-DDD	0.758	0.178	0.08	0.171	0.145	0.045	0.378	0.729	0.046	0.041	0.043	**3.787**
4,4'-DDE	0.596	**1.003**	0.164	0.33	0.408	0.083	**0.903**	**3.33**	**0.742**	**1.104**	0.23	**4.185**
4,4'-DDT	0.0035	**2.781**	**0.789**	**2.226**	**1.918**	**0.525**	**13.949**	**23.629**	**2.094**	**1.746**	**0.856**	**56.446**
alpha-Chlordane	0.22	ND	ND	0.003	ND	ND	ND	0.023	ND	ND	ND	0.026
Aroclor 1254	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan-Sulfate	0.0358	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See Notes at End of Table

Table A-4
Soil Sampling Results
M5 Landfill Site
Fort Monmouth, New Jersey
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3836.16 B244 (6-12") 8/26/1998	3836.18 B245 (6-12") 8/26/1998	3836.20 B246 (6-12") 8/26/1998	3836.22 B247 (6-12") 8/26/1998	3836.24 B248 (6-12") 8/26/1998	3836.26 B249 (6-12") 8/26/1998	3836.28 B250 (6-12") 8/26/1998	3836.30 B251 (6-12") 8/26/1998	3836.32 B252 (6-12") 8/26/1998	3836.34 B253 (6-12") 8/26/1998	3836.36 B254 (6-12") 8/26/1998
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	0.0105	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	0.015	ND	ND	ND	0.021
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)												
Aluminum	50	**3900**	**8730**	**5890**	**5890**	**6970**	**3390**	**8150**	**6430**	**5560**	**4350**	**6740**
Antimony	0.27	**0.495**	**1.28**	**0.94**	**0.931**	**1.14**	**0.654**	**1.43**	**1.31**	**0.774**	**0.688**	**0.916**
Arsenic	9.9	6.62	9.43	8.91	8.61	9.13	5.72	7.84	**11.3**	9.19	5.88	**10.1**
Barium	283	34.5	53.7	53.3	40.9	34.6	25.1	31.1	69.6	32.2	17	48.4
Beryllium	10	0.45	1.25	0.811	1.02	0.945	0.538	1.02	0.824	0.736	0.84	2.05
Cadmium	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	NAV	929	396	306	787	1140	278	389	828	1100	563	143
Chromium	0.4	**31.3**	**88.1**	**63.2**	**60.5**	**72.5**	**39.3**	**90.1**	**72.6**	**56.7**	**46.7**	**52.8**
Cobalt	13	1.85	1.68	0.96	0.998	1.55	0.926	1.02	1.36	1.43	1.21	2.76
Copper	28	27	**45.3**	22.5	18	10.1	5.01	5.52	**110**	15.8	11.9	10.1
Iron	NAV	13200	33700	28200	24400	30600	17500	32800	31400	21200	16400	27700
Lead	11	**94.5**	**50.5**	**53.2**	**47.4**	**21.6**	**23.1**	**20.2**	**163**	**69.8**	**12.4**	**40.3**
Magnesium	NAV	1090	2980	1660	1830	2730	1160	3380	2210	1920	1330	1130
Manganese	220	53.9	18.8	15	19	33.2	8.41	12.4	38.5	49.7	15.4	38
Mercury	0.00051	**0.228**	**0.355**	**0.385**	**0.371**	**0.229**	**0.267**	**0.163**	**0.275**	**0.361**	**0.069**	**0.706**
Nickel	30	5.75	7.73	4.64	4.52	6.14	2.99	4.74	5.81	5.24	3.33	6.57
Potassium	NAV	3120	7070	3650	3760	5980	4390	8120	4900	3860	5380	4170
Selenium	0.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.413
Sodium	NAV	262	303	310	349	360	336	342	388	147	84.6	99.8
Thallium	1	0.389	0.969	0.665	0.863	0.563	0.681	0.6	0.709	0.535	0.332	0.691
Vanadium	2	**27.8**	**45.4**	**28.6**	**27.3**	**33**	**15.9**	**40**	**35.1**	**25.7**	**13.5**	**26.8**
Zinc	8.5	**65.6**	**47.6**	**181**	**43.6**	**69.5**	**27.2**	**39.4**	**123**	**115**	**32.1**	**51.5**

Exceedances of Eco-SSL soil criteria are bold and shaded.
ESC = Ecological Screening Criteria (see Section 3.3)
mg/kg = milligrams per kilogram
NAV = No Available Value
ND = Not Detected
J = Estimated Value: Mass spectrometer and retention time data indicate the presence of the analyte, however the result is less than the method detection limit, but greater than zero.
E = Value exceeded linear range.

Table A-5
Soil Sampling Results
M-8 Landfill Site
November 1998 - June 1999
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4045.02 B1 (6-12") 11/10/1998	4045.04 B2 (6-12") 11/10/1998	4045.06 B3 (6-12") 11/10/1998	4045.08 B4 (6-12") 11/10/1998	4045.10 B5 (6-12') 11/10/1998	4095.02 B6 (6-12') 11/30/1998	4095.04 B7 (6-12") 11/30/1998	4095.06 B8 (6-12") 11/30/1998	4095.08 B9 (6-12") 11/30/1998	4095.10 B10 (6-12") 11/30/1998	4095.12 B11 (6-12") 11/30/1998	4145.02 B12 (6-12") 12/15/1998
Semi-Volatiles (mg/kg)													
Aniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.199	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0 J
Anthracene	1480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.23 J
Di-n-butylphthalate	200	0.22 J	1.1	0.56 J	0.20 J	0.39 J	ND	ND	ND	1.1 J	1.0 J	ND	1.3
Fluoranthene	122	ND	3.4	ND	0.13 J	ND	1.4 J	ND	ND	ND	ND	ND	1.5
Benzidine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	78.5	ND	2.5	ND	0.24 J	ND	1.1 J	ND	ND	ND	1.4 J	ND	1.4
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.62 J
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	ND	2.1	ND	0.41 J	ND	ND	ND	ND	ND	ND	ND	0.73 J
bis(2-Ethylhexyl)phthalate	0.925	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2.6 J**	ND	0.29 J
Di-n-octylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.6 J	ND
Benzo[b]fluoranthene	59.8	ND	0.9 J	ND	0.76 J	ND	ND	ND	ND	ND	ND	ND	0.57 J
Benzo[k]fluoranthene	148	ND	0.89 J	ND	0.52 J	ND	ND	ND	ND	ND	ND	ND	0.68 J
Benzo[a]pyrene	1.52	ND	0.97 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.59 J
Indeno[1,2,3-cd]pyrene	109	ND	0.54 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.18 J
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,I]perylene	119	ND	0.53 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.21 J

See Notes at End of Table

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4045.02 B1 (6-12") 11/10/1998	4045.04 B2 (6-12") 11/10/1998	4045.06 B3 (6-12") 11/10/1998	4045.08 B4 (6-12") 11/10/1998	4045.10 B5 (6-12') 11/10/1998	4095.02 B6 (6-12') 11/30/1998	4095.04 B7 (6-12") 11/30/1998	4095.06 B8 (6-12") 11/30/1998	4095.08 B9 (6-12") 11/30/1998	4095.10 B10 (6-12") 11/30/1998	4095.12 B11 (6-12") 11/30/1998	4145.02 B12 (6-12") 12/15/1998
Pesticides/PCBs (mg/kg)													
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	0.014	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.596	0.036	0.04	0.017	0.089	0.044	0.049	0.057	0.207	0.379	0.066	0.074	0.014
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.758	0.046	0.051	0.033	0.427	0.07	0.066	0.094	**2.123**	0.364	0.089	0.176	0.027
4,4'-DDT	0.0035	**0.061**	**0.036**	**0.038**	**0.117**	**0.093**	**0.145**	**0.179**	**0.175**	**0.05**	**0.029**	**0.038**	**0.015**
gamma-Chlordane	0.224	ND	0.003	0.005	0.03	0.005	ND	ND	0.094	0.022	ND	0.024	0.011
alpha-Chlordane	0.224	ND	ND	0.005	0.02	0.003	ND	ND	0.11	0.017	ND	0.026	0.008
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)													
Aluminum	50	**5660**	**11200**	**12700**	**7380**	**5420**	**8130**	**9230**	**11300**	**9880**	**18500**	**10900**	**7970**
Antimony	0.27	ND	ND	ND	**2.53**	ND	**0.742**	**0.846**	**14.1**	**2.22**	0.253	**3.28**	**0.532**
Arsenic	9.9	8.08	**10.8**	**14.7**	8.78	8.39	8.12	9.85	**10.9**	**14.8**	**15.4**	9.07	7.36
Barium	283	26.4	42.4	42.9	67.0	31.3	31.5	**287**	44.7	90.7	90.3	62.8	61.4
Beryllium	10	0.762	1.43	1.59	0.788	0.659	0.999	1.52	1.43	1.21	1.82	1.10	0.673
Cadmium	0.36	0.343	**0.756**	**0.705**	**0.923**	0.339	0.142	**0.425**	**0.514**	**0.945**	**0.431**	**0.52**	0.308
Calcium	NAV	459	1540	3810	1900	417	771	992	1140	3480	3450	2380	11300
Chromium	0.4	**85.1**	**101**	**128**	**63.3**	**73.6**	**66.6**	**85.9**	**99.5**	**125**	**199**	**85.6**	**60.1**
Cobalt	13	1.04	2.45	2.94	2.73	1.00	2.11	5.30	2.20	1.61	3.21	3.40	3.02
Copper	28	4.99	14.1	11.4	25.0	4.84	16.8	24.1	13.2	**43.2**	11.3	20.0	19.2
Iron	NAV	21600	34600	42600	18800	17000	26300	27000	24000	29700	45000	31700	23600
Lead	11	8.34	**52.5**	**45.5**	**445**	**16.0**	**74.4**	**223**	**104**	**52.5**	**24.0**	**585**	**104**
Magnesium	NAV	2030	4180	4800	2050	1890	2780	3030	2880	3790	5780	3450	3400
Manganese	220	37.5	45.8	104	46.3	18.1	59.1	126	22.9	34.2	101	52.4	84.8
Mercury	0.00051	**0.02**	**0.045**	**0.115**	**0.156**	**0.053**	**0.065**	**0.101**	**0.059**	**0.481**	**0.233**	**0.199**	**0.089**
Nickel	30	4.33	10.7	15.2	8.52	3.43	8.22	14.2	12.5	10.9	13.1	12.7	8.93
Potassium	NAV	3590	8500	9500	2950	3310	6510	6970	6640	9030	14500	7150	4480
Selenium	0.21	**0.847**	**0.80**	**0.842**	**0.903**	**1.02**	**0.706**	**0.613**	**1.38**	**1.35**	**1.31**	**0.763**	**0.915**
Silver	2	ND	ND	ND	ND	0.893	ND	ND	ND	ND	**2.36**	ND	ND
Sodium	NAV	105	209	255	115	103	98.1	94.4	125	117	116	78.6	293
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**35.6**	**47.8**	**60.6**	**37.3**	**26.8**	**42.2**	**51.9**	**64.0**	**65.4**	**103**	**53.5**	**43.3**
Zinc	8.5	**47.1**	**95.7**	**113**	**329**	**65.7**	**71.3**	**306**	**111**	**252**	**135**	**216**	**123**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4145.04 B13 (6-12") 12/15/1998	4145.06 B14 (6-12") 12/15/1998	4145.08 B15 (6-12") 12/16/1998	4145.10 B16 (6-12") 12/16/1998	4145.12 B17 (6-12") 12/16/1998	4145.14 B18 (6-12") 12/16/1998	4145.16 B19 (6-12") 12/16/1998	4145.18 B20 (6-12") 12/16/1998	4145.20 B21 (6-12") 12/16/1998	4145.22 B22 (6-12") 12/16/1998	4145.24 B23 (6-12") 12/16/1998	4145.26 B24 (6-12") 12/16/1998
Semi-Volatiles (mg/kg)													
Aniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	**0.27 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	0.24 J	0.2 J	0.16 J	ND	0.23 J	ND	ND	ND	0.13 J	0.2 J	ND
Acenaphthene	20	ND	ND	0.54 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	0.26 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	3	2.6	1.9	1.6	1.3 J	1.3 J	0.21 J	0.17 J	ND	ND	ND	0.82 J
Fluorene	122	ND	ND	0.45 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.199	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	0.33 J	1.8	5.6	0.83 J	0.46 J	1.1 J	0.19 J	0.14 J	0.19 J	1.2	1.0 J	0.26 J
Anthracene	1480	ND	0.33 J	1.1 J	0.22 J	ND	0.28 J	ND	ND	ND	0.32 J	0.24 J	ND
Di-n-butylphthalate	200	0.53 J	1.3 J	1.8	1.2	0.42 J	0.43	1.3	1.2	2	1.2	1.0 J	2
Fluoranthene	122	0.80 J	4.0	8.2	2.0	0.67 J	2.8	0.33 J	0.33 J	0.44 J	2.2	2.6	0.69 J
Benzidine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	78.5	0.68 J	3.1	5.7	1.9	0.71 J	3.9	0.33 J	0.35 J	0.49 J	2.2	2.3	1.0 J
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	0.3 J	1.4	2.8	0.99 J	0.27 J	0.77 J	0.16 J	0.18 J	0.22 J	0.94 J	1.2 J	0.45 J
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	0.46 J	2.0	3.5	1.7	0.4 J	2.2	0.21 J	0.26 J	0.27 J	1.2	1.6	0.52 J
bis(2-Ethylhexyl)phthalate	0.925	0.27 J	0.16 J	0.41 J	0.21 J	0.14 J	0.39 J	0.29 J	0.18 J	0.18 J	0.22 J	0.51 J	0.26 J
Di-n-octylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	59.8	0.4 J	1.6	3.1	1.4	0.36 J	1.6	0.17 J	0.21 J	0.33 J	0.93 J	1.6	0.79 J
Benzo[k]fluoranthene	148	0.42 J	1.6	2.9	1.4	0.42 J	1.6	0.19 J	0.27 J	0.34 J	1.0 J	1.6	0.9 J
Benzo[a]pyrene	1.52	0.34 J	1.5	**2.7**	1.0 J	0.29 J	1.1 J	0.19 J	0.22 J	0.4 J	0.79 J	1.3	0.59 J
Indeno[1,2,3-cd]pyrene	109	.017 J	0.6 J	0.86 J	0.35 J	ND	0.31 J	ND	ND	0.14 J	0.24 J	0.36 J	ND
Dibenz[a,h]anthracene	18.4	ND	0.18 J	0.25 J	0.14 J	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,I]perylene	119	0.21 J	0.68 J	0.92 J	0.38 J	ND	0.34 J	0.11 J	ND	0.18 J	0.26 J	0.39 J	ND

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Lab Sample ID	ESC (mg/kg)	4145.04	4145.06	4145.08	4145.10	4145.12	4145.14	4145.16	4145.18	4145.20	4145.22	4145.24	4145.26
Field Sample Location		B13 (6-12")	B14 (6-12")	B15 (6-12")	B16 (6-12")	B17 (6-12")	B18 (6-12")	B19 (6-12")	B20 (6-12")	B21 (6-12")	B22 (6-12")	B23 (6-12")	B24 (6-12")
Sample Date		12/15/1998	12/15/1998	12/16/1998	12/16/1998	12/16/1998	12/16/1998	12/16/1998	12/16/1998	12/16/1998	12/16/1998	12/16/1998	12/16/1998
Pesticides/PCBs (mg/kg)													
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	0.017	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.596	0.04	0.053	0.071	0.07	0.015	0.181	0.05	0.11	0.105	0.061	0.082	0.036
Dieldrin	0.0049	ND	ND	ND	**0.023**	**0.006**	**0.023**	ND	ND	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.758	0.131	0.191	0.307	0.268	0.04	0.604	0.041	0.071	0.187	0.16	0.199	0.08
4,4'-DDT	0.0035	**0.017**	**0.032**	**0.051**	**0.287**	**0.013**	**0.09**	**0.021**	**0.044**	**0.04**	ND	**0.027**	**0.03**
gamma-Chlordane	0.224	0.009	ND	ND	0.056	ND	0.045	0.055	ND	0.026	0.027	0.044	0.022
alpha-Chlordane	0.224	ND	ND	ND	0.071	ND	0.023	0.05	ND	0.022	0.022	0.015	0.021
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)													
Aluminum	50	**13600**	**8860**	**8280**	**11300**	**8170**	**13900**	**4030**	**7590**	**10000**	**15800**	**13600**	**9510**
Antimony	0.27	**1.30**	ND	**1.91**	**1.77**	**1.36**	**1.88**	ND	**0.468**	**1.63**	**30.7**	**1.39**	**7.64**
Arsenic	9.9	**19.8**	**17.0**	**19.0**	**23.7**	8.88	**21.4**	4.01	6.68	**12.9**	**14.6**	**18.0**	7.31
Barium	283	54.7	23.7	36.6	32.6	28.6	51.4	18.1	27.4	48.3	72.5	52.8	40.4
Beryllium	10	1.63	0.897	0.822	1.62	0.805	1.10	0.362	0.645	1.13	1.29	1.10	0.96
Cadmium	0.36	0.161	**1.33**	**0.435**	**1.25**	**0.382**	**1.69**	0.206	0.224	0.218	**4.63**	**3.86**	**2.09**
Calcium	NAV	1410	2170	1990	1190	2050	1670	3640	2230	1920	4940	2880	1780
Chromium	0.4	**139**	**100**	**108**	**202**	**72.4**	**166**	**65.6**	**58.4**	**98.5**	**119**	**138**	**63.5**
Cobalt	13	3.11	2.11	1.92	1.69	2.27	2.77	1.74	2.41	2.25	4.22	3.07	3.70
Copper	28	**31.3**	**30.5**	**29.9**	**61.8**	**1160**	**74.6**	10.0	14.9	16.5	**43.4**	**49.2**	25.1
Iron	NAV	46400	37500	35600	51000	25100	45200	13500	24300	31700	43600	38400	23200
Lead	11	**193**	**32.3**	**115**	**115**	**54.0**	**269**	**39.8**	**25.9**	**45.3**	**119**	**187**	**68.1**
Magnesium	NAV	4040	3320	3150	5430	2690	4630	1940	2540	3760	3730	3700	2170
Manganese	220	56.4	56.0	48.8	33.9	62.9	51.6	**228**	73.5	91.9	75.5	48.3	63.1
Mercury	0.00051	**0.356**	**0.122**	**0.258**	**0.253**	**0.085**	**0.616**	**0.064**	**0.087**	**0.132**	**0.301**	**0.424**	**0.175**
Nickel	30	12.4	7.83	7.48	8.94	7.49	11.6	5.18	7.23	7.28	13.2	10.6	9.47
Potassium	NAV	7990	6670	6660	12300	4990	9410	2560	4280	7500	7220	8270	4060
Selenium	0.21	**2.07**	**1.20**	**1.95**	**2.10**	**0.986**	**2.09**	ND	**0.678**	**0.905**	**1.12**	**1.73**	**0.579**
Silver	2	**3.15**	ND	**4.17**	**4.93**	ND	**6.13**	ND	ND	ND	ND	**5.31**	ND
Sodium	NAV	742	474	233	282	213	407	199	281	260	303	301	133
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**79.0**	**57.0**	**63.8**	**80.4**	**45.8**	**93.4**	**23.3**	**47.0**	**57.5**	**86.5**	**82.5**	**51.6**
Zinc	8.5	**76.5**	**76.3**	**68.7**	**84.7**	**100**	**110**	**155**	**69.6**	**124**	**250**	**96.6**	**141**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4145.28 B25 (6-12") 12/16/1998	4145.30 B26 (6-12") 12/16/1998	4145.32 B27 (6-12") 12/16/1998	4145.34 B28 (6-12') 12/16/1998	4194.02 B29 (6-12") 1/19/1999	4194.04 B30 (6-12") 1/19/1999	4194.06 B31 (6-12") 1/19/1999	4194.08 B32 (6-12") 1/19/1999	4194.10 B33 (6-12") 1/19/1999	4194.12 B34 (6-12") 1/19/1999	4194.14 B35 (6-12") 1/19/1999	4194.16 B36 (6-12") 1/19/1999
Semi-Volatiles (mg/kg)													
Aniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	0.84 J	ND	ND	ND	ND
Acenaphthene	20	ND	0.15 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.21 J	ND
Fluorene	122	ND	0.12 J	ND	ND	ND	ND	ND	0.74 J	ND	ND	ND	ND
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.199	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	0.65 J	1.4	0.15 J	0.16 J	ND	ND	0.42 J	12	0.29 J	1.7 J	0.33 J	ND
Anthracene	1480	0.14 J	0.32 J	0.16 J	0.16 J	ND	ND	ND	1.8 J	ND	ND	ND	ND
Di-n-butylphthalate	200	1.1 J	1.0 J	1.4	0.34 J	1.6	0.97 J	1.4	1.1 J	1.8	26	1.3	1.4 J
Fluoranthene	122	1.3	2.1	1.7	0.4 J	0.19 J	ND	0.7 J	16	0.46 J	3.4 J	0.49 J	1.4 J
Benzidine	NAV	8.3	8	6.5	8.6	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	78.5	1.8	2.8	2.2	0.55 J	0.18 J	ND	0.69 J	11	0.43 J	2.7 J	0.47 J	2.1 J
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	0.61 J	0.9 J	0.63 J	0.23 J	ND	ND	0.33 J	**5.4 J**	0.21 J	1.0 J	0.23 J	0.88 J
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	0.77 J	1.2	0.9 J	0.29 J	0.13 J	ND	0.4 J	**5.9**	0.27 J	1.4 J	0.13 J	1.1 J
bis(2-Ethylhexyl)phthalate	0.925	0.3 J	0.26 J	0.34 J	ND	0.13 J	0.62 J	0.17 J	ND	0.13 J	ND	0.15 J	**1.0 J**
Di-n-octylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	59.8	0.87 J	1.2	1.0 J	ND	ND	ND	0.32 J	3.7 J	0.17 J	1.2 J	0.19 J	ND
Benzo[k]fluoranthene	148	0.93 J	1.6	0.55 J	ND	0.12 J	ND	0.32 J	4.8 J	0.16 J	1.3 J	0.22 J	ND
Benzo[a]pyrene	1.52	0.7 J	1.1 J	0.85 J	ND	ND	ND	0.35 J	**4.1 J**	0.18 J	1.1 J	0.22 J	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	ND	ND	ND	ND	1.3 J	ND	ND	0.11 J	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,I]perylene	119	ND	ND	ND	ND	ND	ND	0.14 J	1.4 J	ND	ND	0.15 J	ND

See Notes at End of Table

Table A-5
Soil Sampling Results
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Lab Sample ID	ESC (mg/kg)	4145.28	4145.30	4145.32	4145.34	4194.02	4194.04	4194.06	4194.08	4194.10	4194.12	4194.14	4194.16
Field Sample Location		B25 (6-12")	B26 (6-12")	B27 (6-12")	B28 (6-12')	B29 (6-12")	B30 (6-12")	B31 (6-12")	B32 (6-12")	B33 (6-12")	B34 (6-12")	B35 (6-12")	B36 (6-12")
Sample Date		12/16/1998	12/16/1998	12/16/1998	12/16/1998	1/19/1999	1/19/1999	1/19/1999	1/19/1999	1/19/1999	1/19/1999	1/19/1999	1/19/1999
Pesticides/PCBs (mg/kg)													
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.596	0.048	0.044	0.09	ND	0.065	0.023	0.207	0.141	0.141	0.088	0.136	0.081
Dieldrin	0.0049	ND	**0.013**	ND	ND	**0.013**	**0.026**	ND	ND	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.758	0.099	0.128	0.215	ND	0.05	0.022	0.062	0.043	0.097	0.043	0.145	0.049
4,4'-DDT	0.0035	**0.241**	ND	**0.086**	ND	**0.144**	**0.075**	**0.739**	**0.332**	**0.662**	**0.182**	**0.253**	**0.276**
gamma-Chlordane	0.224	0.026	0.039	0.075	ND	0.032	ND	ND	ND	ND	0.025	0.02	0.015
alpha-Chlordane	0.224	0.018	0.035	0.059	ND	0.024	ND	ND	ND	ND	0.025	0.017	ND
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)													
Aluminum	50	**8990**	**12900**	**10600**	**13100**	**11100**	**10300**	**11400**	**9630**	**13000**	**7170**	**7240**	**8940**
Antimony	0.27	**0.956**	**2.13**	**3.72**	**1.07**	ND	**1.53**	**7.02**	**0.89**	**26.1**	**0.78**	**0.545**	**30.0**
Arsenic	9.9	8.82	**20.9**	7.77	**17.2**	7.23	5.26	7.28	6.77	6.94	7.37	6.89	**10.6**
Barium	283	31.1	44.1	66.1	37.4	46.6	35.0	69.8	44.0	57.0	45.1	36.8	282
Beryllium	10	0.66	1.02	1.02	1.58	0.872	0.608	0.726	0.782	0.734	0.814	0.768	0.76
Cadmium	0.36	**0.757**	**2.46**	**3.54**	0.345	**0.792**	**0.688**	**0.75**	**0.613**	**0.786**	**1.06**	**0.631**	**2.20**
Calcium	NAV	2960	1850	4490	2360	1560	4440	4540	1640	2420	2400	831	16600
Chromium	0.4	**66.5**	**167**	**66.0**	**157**	**75.9**	**53.8**	**61.0**	**64.3**	**62.5**	**67.6**	**65.3**	**66.0**
Cobalt	13	3.84	3.28	4.00	2.75	2.56	1.84	2.44	2.01	3.88	2.60	1.84	4.91
Copper	28	**29.8**	**87.1**	25.5	13.9	10.4	10.1	17.3	8.99	20.9	15.2	8.85	26.3
Iron	NAV	26300	42400	26400	50400	20500	19900	20400	20600	22700	19300	18300	31600
Lead	11	**48.6**	**194**	**71.9**	**33.3**	**54.5**	**60.7**	**191**	**40.0**	**76.7**	**56.3**	**43.2**	**1990**
Magnesium	NAV	3100	3540	2070	5660	2160	1780	2560	1860	2100	1750	1790	2360
Manganese	220	94.5	63.8	185	101	26.6	51.6	82.2	45.1	75.6	63.0	30.3	152
Mercury	0.00051	**0.128**	**0.568**	**0.200**	**0.073**	**0.08**	**0.07**	**0.07**	**0.18**	**0.12**	**0.21**	**0.16**	**1.25**
Nickel	30	9.97	13.3	11.7	11.1	11.4	6.71	14.9	12.6	10.5	7.51	5.87	15.5
Potassium	NAV	4320	6840	4200	11800	4670	2560	4460	3900	3370	3770	3790	4000
Selenium	0.21	ND	**1.74**	**0.678**	**1.30**	**0.648**	ND	**1.05**	**1.19**	**0.837**	**1.20**	**0.957**	**2.32**
Silver	2	ND	**7.58**	ND	ND	ND	ND	0.821	**3.57**	ND	**5.88**	**4.42**	1.42
Sodium	NAV	299	316	138	146	150	101	171	147	166	75.9	88.3	147
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**49.5**	**87.6**	**51.5**	**86.5**	**46.0**	**58.4**	**39.4**	**40.6**	**51.9**	**34.7**	**34.9**	**43.3**
Zinc	8.5	**140**	**128**	**183**	**95.3**	**59.9**	**83.1**	**237**	**67.7**	**127**	**106**	**58.3**	**904**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4194.18 B37 (6-12") 1/19/1999	4194.20 B38 (6-12") 1/19/1999	4194.22 B39 (6-12") 1/19/1999	4194.24 B40 (6-12") 1/19/1999	4194.26 B41 (6-12") 1/19/1999	4351.02 B1A (6-12") 3/16/1999	4351.04 B2B (6-12") 3/16/1999	4351.06 B3C (6-12") 3/16/1999	4351.08 B4D (6-12") 3/16/1999	4351.10 B5E (6-12") 3/16/1999	4351.12 B6F (6-12") 3/16/1999	4351.14 B7G (6-12") 3/16/1999
Semi-Volatiles (mg/kg)													
Aniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.73 J	ND
Benzyl Alcohol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.42 J**	ND
4-Chloroaniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	0.13 J	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	0.21 J	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	0.13 J	0.11 J	ND	ND	ND	ND	ND	0.14 J	ND	ND	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.199	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	0.19 J	0.29 J	0.96 J	0.35 J	0.2 J	ND	0.16 J	ND	0.37 J	ND	ND	ND
Anthracene	1480	ND	ND	0.17 J	ND	0.14 J	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.35 J	1.0 J	0.4 J	0.52 J	1.3	ND	1.5	1.1 J	0.37 J	0.45 J	ND	2.70 J
Fluoranthene	122	0.46 J	0.6 J	1.3	0.58 J	0.56 J	ND	0.31 J	ND	0.65 J	0.19 J	0.29 J	ND
Benzidine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	78.5	0.36 J	0.5 J	1.0 J	0.77 J	0.74 J	ND	0.29 J	ND	0.61 J	0.2 J	0.24 J	ND
Butylbenzylphthalate	0.239	ND	ND	ND	ND	**1.2**	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	0.24 J	0.25 J	0.46 J	0.24 J	0.39 J	ND	0.16 J	ND	0.32 J	0.17 J	ND	ND
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	0.28 J	0.38 J	0.61 J	0.31 J	0.51 J	ND	0.32 J	ND	0.59 J	0.27 J	0.29 J	ND
bis(2-Ethylhexyl)phthalate	0.925	ND	0.13 J	ND	ND	0.36 J	ND	0.22 J	0.33 J	0.34 J	0.18 J	**1.4 J**	0.22 J
Di-n-octylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	59.8	0.28 J	0.28 J	0.35 J	0.21 J	0.36 J	ND	0.18 J	ND	0.34 J	0.17 J	ND	ND
Benzo[k]fluoranthene	148	0.28 J	0.29 J	0.44 J	0.26 J	0.44 J	ND	0.21 J	ND	0.36 J	0.16 J	ND	ND
Benzo[a]pyrene	1.52	0.23 J	0.24 J	0.37 J	0.35 J	0.46 J	ND	0.17 J	ND	0.36 J	0.18 J	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	0.15 J	0.2 J	ND	0.14 J	ND	0.13 J	ND	0.23 J	ND	ND	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,l]perylene	119	ND	0.18 J	0.25 J	0.29 J	0.17 J	ND	0.14 J	ND	0.27 J	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4194.18 B37 (6-12") 1/19/1999	4194.20 B38 (6-12") 1/19/1999	4194.22 B39 (6-12") 1/19/1999	4194.24 B40 (6-12") 1/19/1999	4194.26 B41 (6-12") 1/19/1999	4351.02 B1A (6-12") 3/16/1999	4351.04 B2B (6-12") 3/16/1999	4351.06 B3C (6-12") 3/16/1999	4351.08 B4D (6-12") 3/16/1999	4351.10 B5E (6-12") 3/16/1999	4351.12 B6F (6-12") 3/16/1999	4351.14 B7G (6-12") 3/16/1999
Pesticides/PCBs (mg/kg)													
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.596	0.064	0.072	0.097	0.011	0.021	0.022	0.02	0.054	0.073	0.058	0.046	0.021
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	**0.03**	**0.022**	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.758	0.042	0.03	0.053	ND	ND	0.073	ND	0.043	0.351	0.268	0.07	ND
4,4'-DDT	0.0035	**0.246**	**0.138**	**0.133**	ND	**0.051**	**0.10**	ND	**0.209**	**0.042**	**0.05**	ND	**0.049**
gamma-Chlordane	0.224	0.02	0.013	ND	ND	0.017	0.034	ND	ND	0.035	0.033	ND	ND
alpha-Chlordane	0.224	0.013	ND	ND	ND	0.017	0.021	ND	ND	0.023	0.019	ND	ND
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	**0.727**	ND	**0.445**	ND	ND	ND	ND
Metals (mg/kg)													
Aluminum	50	**7840**	**10200**	**5410**	**9850**	**6960**	**12500**	**13600**	**7060**	**13300**	**8600**	**19700**	**13100**
Antimony	0.27	**4.78**	**0.846**	**0.909**	**1.21**	**2.14**	**7.28**	ND	**1.21**	**2.52**	**22.6**	**4.47**	ND
Arsenic	9.9	**10.2**	**11.6**	6.79	7.46	8.35	**10.4**	**18.0**	**11.7**	**16.1**	9.48	**13.5**	9.24
Barium	283	135	61.4	31.6	39.5	41.8	35.6	55.5	47.4	61.4	101	78.6	51.7
Beryllium	10	0.851	1.06	0.557	0.96	0.742	1.18	1.97	0.657	1.33	0.83	1.73	0.952
Cadmium	0.36	**1.38**	**1.13**	**0.617**	**0.578**	**1.15**	**0.432**	0.286	ND	0.164	**1.02**	**0.968**	0.348
Calcium	NAV	2210	1300	246	10400	2460	3410	4540	1190	3710	2580	3780	622
Chromium	0.4	**72.3**	**102**	**62.7**	**203**	**58.4**	**103**	**217**	**73.5**	**97.7**	**69.7**	**122**	**66.0**
Cobalt	13	3.05	2.61	0.724	3.97	3.14	2.26	3.00	1.63	5.17	3.30	3.91	2.34
Copper	28	**35.4**	**28.8**	15.8	**354**	**80.6**	26.3	**46.1**	**66.2**	**34.8**	**38.1**	**56.1**	19.3
Iron	NAV	25000	30300	19200	22900	22800	41800	53600	25500	43400	25400	45800	23800
Lead	11	**528**	**62.7**	**45.9**	**27.7**	**81.9**	**115**	**52.9**	**125**	**136**	**468**	**236**	**17.0**
Magnesium	NAV	2360	3260	1680	2320	2110	3840	6760	2100	3780	2450	4910	2330
Manganese	220	88.7	40.4	160	74.8	84.2	55.7	22.9	33.0	143	73.5	90.2	73.0
Mercury	0.00051	**0.35**	**0.16**	**0.33**	**0.06**	**0.09**	**0.26**	**0.18**	**0.61**	**18.17**	**0.33**	**0.26**	**0.08**
Nickel	30	8.44	8.91	3.64	12.2	**40.4**	7.76	8.67	5.37	20.3	8.91	16.4	5.85
Potassium	NAV	4540	6570	4030	2820	3410	8640	17100	4530	7940	4770	10400	5540
Selenium	0.21	**1.61**	**1.07**	**1.03**	**1.09**	**1.36**	ND	**1.99**	**0.75**	**1.18**	ND	ND	ND
Silver	2	ND	**2.38**	1.07	ND	ND	ND	1.19	ND	ND	ND	ND	ND
Sodium	NAV	239	185	162	180	119	290	394	371	229	229	285	225
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**35.6**	**38.1**	**25.1**	**44.3**	**299**	**66.2**	**57.7**	**36.6**	**73.3**	**44.1**	**83.5**	**42.3**
Zinc	8.5	**262**	**75.1**	**41.3**	**79.9**	**197**	**361**	**166**	**61.2**	**197**	**345**	**222**	**53.4**

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Lab Sample ID	ESC (mg/kg)	4351.16	4351.18	4351.20	4351.22	4351.24	4351.26	4354.02	4354.04	4354.06	4354.08	4354.10	4354.12
Field Sample Location		B8H (6-12")	B9I (6-12")	B10J (6-12")	B11K (6-12")	B12L (6-12")	B13M (6-12")	B14N (6-12")	B15O (6-12")	B16P (6-12")	B17Q (6-12")	B18R (6-12")	B19S (6-12")
Sample Date		3/16/1999	3/16/1999	3/16/1999	3/16/1999	3/16/1999	3/16/1999	3/17/1999	3/17/1999	3/17/1999	3/17/1999	3/17/1999	3/17/1999
Semi-Volatiles (mg/kg)													
Aniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	20	ND	ND	ND	0.78 J	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	NAV	ND	ND	ND	ND	ND	ND	1.6	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	0.31 J	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	**0.24 J**	ND	ND	ND	ND	ND	ND	**0.16 J**	ND
4-Chloroaniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	0.25 J	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	0.21 J	ND	ND	ND	ND	ND	0.59 J	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.34 J	ND
Diethylphthalate	100	ND	ND	ND	0.16 J	0.16 J	0.19 J	ND	ND	ND	ND	ND	ND
Fluorene	122	ND	ND	ND	ND	0.23 J	ND	ND	ND	ND	ND	0.67 J	ND
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.199	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	0.73 J	0.68 J	ND	0.23 J	2.7	0.27 J	ND	0.39 J	ND	0.13 J	6.1	0.15 J
Anthracene	1480	0.2 J	0.18 J	ND	ND	0.84 J	ND	ND	ND	ND	ND	1.9	ND
Di-n-butylphthalate	200	0.61 J	0.32 J	0.31 J	1.1 J	0.48 J	0.56 J	0.6 J	0.69 J	1.5	0.78 J	0.27 J	0.18 J
Fluoranthene	122	1.1 J	1.3 J	ND	0.89 J	4.3	0.53 J	0.15 J	0.82 J	0.21 J	0.27 J	6.8	0.24 J
Benzidine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	78.5	1.0 J	1.2 J	ND	1.4 J	3.3	0.5 J	0.14 J	0.63 J	0.2 J	0.25 J	4.8	0.26 J
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	0.48 J	0.65 J	ND	0.87 J	1.8	0.26 J	ND	0.34 J	ND	0.14 J	2.5	0.13 J
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	0.79 J	1.1 J	ND	1.8	2.8	0.54J	0.16 J	0.57 J	0.21 J	0.28 J	3.8	0.26 J
bis(2-Ethylhexyl)phthalate	0.925	0.3 J	0.19 J	0.26 J	0.34 J	0.18 J	0.16 J	0.17 J	0.46 J	0.17 J	0.21 J	0.14 J	0.18 J
Di-n-octylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	59.8	0.33 J	0.63 J	ND	0.52 J	1.8	0.31 J	ND	0.3 J	ND	0.16 J	2.1	0.17 J
Benzo[k]fluoranthene	148	0.47 J	0.75 J	ND	0.77 J	1.6	0.33 J	ND	0.36 J	ND	0.22 J	2.0	0.14 J
Benzo[a]pyrene	1.52	0.47 J	0.75 J	ND	0.76 J	**1.7**	0.3 J	ND	0.34 J	0.12 J	0.15 J	**2.5**	0.15 J
Indeno[1,2,3-cd]pyrene	109	0.26 J	0.38 J	ND	0.25 J	0.66 J	0.22 J	ND	0.22 J	ND	ND	1.4	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	0.25 J	ND	ND	ND	ND	ND	0.39 J	ND
Benzo[g,h,I]perylene	119	0.28 J	0.37 J	ND	0.29 J	0.55 J	0.26 J	ND	0.18 J	ND	ND	1.3	ND

See Notes at End of Table

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Soil Sampling Results
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Lab Sample ID	ESC (mg/kg)	4351.16	4351.18	4351.20	4351.22	4351.24	4351.26	4354.02	4354.04	4354.06	4354.08	4354.10	4354.12
Field Sample Location		B8H (6-12")	B9I (6-12")	B10J (6-12")	B11K (6-12")	B12L (6-12")	B13M (6-12")	B14N (6-12")	B15O (6-12")	B16P (6-12")	B17Q (6-12")	B18R (6-12")	B19S (6-12")
Sample Date		3/16/1999	3/16/1999	3/16/1999	3/16/1999	3/16/1999	3/16/1999	3/17/1999	3/17/1999	3/17/1999	3/17/1999	3/17/1999	3/17/1999
Pesticides/PCBs (mg/kg)													
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.596	0.033	0.065	0.022	0.134	0.062	0.039	0.019	ND	0.021	0.058	ND	0.206
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.758	0.049	0.232	0.018	0.366	0.245	0.074	0.037	ND	0.088	0.119	ND	0.077
4,4'-DDT	0.0035	ND	**0.965**	**0.027**	ND	**0.032**	**0.065**	ND	**0.06**	**0.162**	**0.043**	ND	**0.409**
gamma-Chlordane	0.224	ND	0.04	ND	0.021	0.016	0.016	ND	0.011	0.201	0.045	ND	0.019
alpha-Chlordane	0.224	ND	0.025	ND	0.016	ND	ND	ND	ND	0.171	0.036	ND	0.015
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.169
Metals (mg/kg)													
Aluminum	50	**11700**	**12300**	**7480**	**13000**	**9700**	**14500**	**11700**	**6050**	**7470**	**7880**	**12300**	**10400**
Antimony	0.27	ND	**2.88**	**0.89**	**30.1**	**9.00**	**1.25**	**0.608**	**0.669**	ND	**0.936**	ND	**0.522**
Arsenic	9.9	**13.4**	**11.1**	**10.8**	8.18	7.60	**15.1**	**14.8**	5.20	**10.2**	4.82	**12.3**	9.42
Barium	283	68.8	63.9	27.1	185	87.9	61.9	80.4	19.0	38.4	22.7	40.4	48.5
Beryllium	10	1.73	1.53	0.885	1.05	0.823	1.29	1.62	0.544	0.803	0.598	1.28	0.933
Cadmium	0.36	**0.942**	ND	ND	**0.417**	**8.88**	0.142	ND	ND	ND	ND	ND	ND
Calcium	NAV	3120	1740	526	13100	3490	2740	970	2050	1680	2020	1650	2060
Chromium	0.4	**155**	**136**	**88.4**	**76.6**	**70.8**	**154**	**173**	**51.8**	**73.1**	**61.5**	**114**	**93.7**
Cobalt	13	2.62	2.33	1.65	3.31	2.57	2.41	1.24	2.36	1.74	3.13	0.849	2.09
Copper	28	19.5	**33.0**	12.4	19.8	20.5	**34.7**	20.9	17.0	22.9	26.6	8.46	16.8
Iron	NAV	34300	39800	24500	27400	22800	45700	45300	18400	26200	17800	28800	25500
Lead	11	**17.8**	**55.4**	10.7	**672**	**334**	**160**	**35.1**	**58.1**	**74.7**	**47.7**	9.58	**39.8**
Magnesium	NAV	5150	4680	2760	4040	2920	4920	5500	2550	2540	2430	3810	2840
Manganese	220	33.8	38.6	38.8	126	38.9	82.5	17.9	48.9	50.3	42.6	40.4	43.6
Mercury	0.00051	**0.08**	**0.39**	**0.04**	**0.45**	**0.28**	**0.21**	**0.25**	**1.50**	**0.167**	**0.17**	**0.045**	**0.195**
Nickel	30	11.9	12.6	4.40	11.0	9.72	8.90	7.19	6.05	7.85	10.6	4.36	6.98
Potassium	NAV	11600	10400	6390	6490	5320	11200	14500	3630	5130	4100	7960	6090
Selenium	0.21	**1.23**	**1.09**	**0.988**	ND	**0.335**	**1.00**	**3.51**	**0.900**	**1.86**	**0.973**	**1.45**	**1.33**
Silver	2	ND	**2.76**	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2.83**
Sodium	NAV	159	235	158	262	162	262	238	103	93.7	364	69.0	89.3
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**71.4**	**122**	**45.6**	**52.1**	**55.3**	**78.5**	**49.6**	**30.6**	**38.7**	**66.4**	**47.9**	**48.2**
Zinc	8.5	**80.7**	**151**	**37.5**	**346**	**181**	**313**	**83.3**	**47.6**	**73.4**	**47.3**	**41.3**	**67.8**

See Notes at End of Table

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Lab Sample ID		4354.14	4354.16	4354.18	4354.20	4354.22	4354.24	4354.26	4354.28	4357.02	4357.04	4357.06	4357.08
Field Sample Location	ESC (mg/kg)	B20T (6-12")	B21U (6-12")	B22V (6-12")	B23W (6-12")	B24X (6-12")	B25Y (6-12")	B26Z (6-12")	B27AA (6-12"	B28BB (6-12"	B29CC (6-12"	B30DD (6-12"	B31EE (6-12"
Sample Date		3/17/1999	3/17/1999	3/17/1999	3/17/1999	3/17/1999	3/17/1999	3/17/1999	3/17/1999	3/18/1999	3/18/1999	3/18/1999	3/18/1999
Semi-Volatiles (mg/kg)													
Aniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	NAV	ND	ND	ND	ND	ND	0.78 J	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	**7.0**	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	ND	ND	ND	ND	**5.2**	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	0.17 J	ND	ND	ND	0.12 J	0.16 J	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	0.12 J	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.199	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	0.45 J	0.57 J	ND	0.29 J	0.62 J	0.15 J	0.16 J	ND	0.2 J	ND	0.14 J
Anthracene	1480	ND	0.15 J	0.15 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.59 J	0.55 J	0.17 J	0.46 J	0.4 J	0.6 J	0.12 J	0.55 J	1.1 J	0.13 J	0.4 J	0.13 J
Fluoranthene	122	ND	1.0 J	1.3	0.2 J	0.34 J	0.64 J	0.29 J	0.34 J	0.27 J	0.26 J	ND	0.28 J
Benzidine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	78.5	ND	1.1 J	1.3	0.19 J	0.28 J	0.78 J	0.38 J	0.36 J	0.2 J	0.25 J	ND	0.26 J
Butylbenzylphthalate	0.239	ND	ND	ND	ND	**0.77 J**	ND	ND	ND	ND	0.16 J	ND	ND
Benzo[a]anthracene	5.21	ND	0.55 J	0.69 J	0.12 J	0.18 J	0.37 J	0.26 J	0.22 J	0.16 J	0.14 J	ND	0.17 J
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	ND	1.3	1.5	0.21 J	0.45 J	0.74 J	0.48 J	0.45 J	0.25 J	0.34 J	ND	0.29 J
bis(2-Ethylhexyl)phthalate	0.925	0.21 J	0.48 J	0.2 J	0.14 J	0.14 J	ND	ND	0.3 J	0.17 J	0.47 J	ND	0.16 J
Di-n-octylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	59.8	ND	0.98 J	1.4	0.16 J	0.27 J	0.28 J	0.31 J	0.3 J	0.17 J	0.15 J	ND	0.2 J
Benzo[k]fluoranthene	148	ND	0.9 J	1.0 J	0.12 J	0.32 J	0.29 J	0.33 J	0.21 J	0.17 J	0.15 J	ND	0.24 J
Benzo[a]pyrene	1.52	ND	0.65 J	**1.9**	0.15 J	ND	0.34 J	0.38 J	0.27 J	0.17 J	0.15 J	ND	0.18 J
Indeno[1,2,3-cd]pyrene	109	ND	0.27 J	1.5	ND	ND	0.18 J	0.24 J	ND	ND	ND	ND	ND
Dibenz[a,h]anthracene	18.4	ND	ND	0.38 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,I]perylene	119	ND	ND	1.6	ND	ND	0.23 J	0.28 J	ND	ND	ND	ND	ND

Table A-5
Soil Sampling Results
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Lab Sample ID	ESC (mg/kg)	4354.14	4354.16	4354.18	4354.20	4354.22	4354.24	4354.26	4354.28	4357.02	4357.04	4357.06	4357.08
Field Sample Location		B20T (6-12")	B21U (6-12")	B22V (6-12")	B23W (6-12")	B24X (6-12")	B25Y (6-12")	B26Z (6-12")	B27AA (6-12"	B28BB (6-12"	B29CC (6-12"	B30DD (6-12"	B31EE (6-12"
Sample Date		3/17/1999	3/17/1999	3/17/1999	3/17/1999	3/17/1999	3/17/1999	3/17/1999	3/17/1999	3/18/1999	3/18/1999	3/18/1999	3/18/1999
Pesticides/PCBs (mg/kg)													
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.596	0.035	0.096	0.083	0.054	0.033	0.147	ND	0.039	0.025	0.126	0.049	0.026
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.758	0.06	0.083	0.018	0.029	0.047	0.167	ND	0.134	0.048	0.135	0.018	0.018
4,4'-DDT	0.0035	ND	**0.199**	**0.185**	**0.159**	**0.115**	**0.254**	ND	**0.043**	**0.07**	**0.34**	**0.161**	**0.085**
gamma-Chlordane	0.224	ND	0.03	ND	0.012	ND	ND	ND	0.034	ND	0.017	ND	ND
alpha-Chlordane	0.224	ND	0.017	ND	ND	ND	ND	ND	0.022	ND	0.012	ND	ND
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)													
Aluminum	50	**11100**	**15400**	**9060**	**7560**	**9690**	**6450**	**10200**	**8410**	**12800**	**13500**	**6270**	**10500**
Antimony	0.27	**0.415**	ND	ND	ND	**2.92**	ND	ND	**2.91**	**2.76**	**1.93**	ND	**9.24**
Arsenic	9.9	**15.7**	**20.7**	5.97	5.96	**13.4**	7.64	7.11	7.72	**12.5**	**11.2**	5.05	6.93
Barium	283	67.3	66.1	27.8	23.6	40.6	30.1	26.0	50.4	107	60.8	23.8	132
Beryllium	10	0.816	1.61	0.722	0.636	0.981	0.532	0.902	0.857	1.17	1.42	0.471	0.777
Cadmium	0.36	ND	ND	ND	ND	ND	0.316	ND	ND	**1.96**	ND	ND	**2.43**
Calcium	NAV	882	1060	2420	2500	936	385	1720	2400	2860	2280	1940	2120
Chromium	0.4	**74.4**	**208**	**63.8**	**57.9**	**116**	**73.3**	**86.4**	**63.4**	**104**	**137**	**45.8**	**104**
Cobalt	13	1.39	1.45	2.73	2.63	1.29	0.882	1.92	2.74	3.53	2.05	2.10	2.95
Copper	28	10.5	**31.9**	21.8	26.2	**29.3**	20.7	**56.5**	19.2	**28.9**	19.7	23.1	17.5
Iron	NAV	24900	56400	25000	21100	35900	21600	27900	19800	36700	35200	16100	22500
Lead	11	**11.9**	**119**	**29.6**	**36.4**	**91.9**	**35.0**	**19.6**	**148**	**1060**	**240**	**45.1**	**686**
Magnesium	NAV	2990	6420	3110	2820	3390	1870	3000	1950	3830	4220	2070	2530
Manganese	220	26.5	30.7	66.0	56.5	25.9	18.0	54.5	31.2	112	38.8	49.4	138
Mercury	0.00051	**0.049**	**0.271**	**0.127**	**0.125**	**0.33**	**0.103**	**0.067**	**0.705**	**0.286**	**0.152**	**0.148**	**0.200**
Nickel	30	4.92	7.45	7.36	6.55	5.66	3.75	5.67	9.97	12.5	7.49	6.96	9.36
Potassium	NAV	5270	15500	5170	4250	8160	4600	6600	4150	7930	9860	3210	4700
Selenium	0.21	**1.01**	**1.83**	**1.09**	**0.731**	**1.89**	**0.841**	**0.768**	**1.69**	**1.81**	**1.57**	ND	**1.39**
Silver	2	ND	**2.79**	ND	ND	**2.38**	1.24	ND	ND	ND	ND	ND	ND
Sodium	NAV	76.2	405	208	137	508	217	90.3	126	163	149	176	177
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**40.0**	**95.3**	**44.1**	**36.5**	**48.1**	**33.2**	**44.6**	**40.0**	**73.9**	**63.3**	**34.3**	**48.8**
Zinc	8.5	**34.7**	**79.0**	**89.8**	**59.6**	**65.2**	**40.6**	**40.4**	**174**	**410**	**112**	**61.4**	**532**

See Notes at End of Table

Table A-5
Soil Sampling Results
M-8 Landfill Site
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Lab Sample ID		4357.10	4357.12	4357.14	4357.16	4357.18	4357.20	4357.22	4357.24	4357.26	4357.28	4357.30	4372.02
Field Sample Location	ESC (mg/kg)	B32FF (6-12"	B33GG (6-12"	B34HH (6-12"	B35II (6-12")	B36JJ (6-12")	B37KK (6-12"	B38LL (6-12"	B39MM (6-12	B40NN (6-12"	B41OO (6-12	B42PP (6-12"	B43 (6-12")
Sample Date		3/18/1999	3/18/1999	3/18/1999	3/18/1999	3/18/1999	3/18/1999	3/18/1999	3/18/1999	3/18/1999	3/18/1999	3/18/1999	3/26/1999
Semi-Volatiles (mg/kg)													
Aniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	20	ND	ND	ND	ND	ND	ND	ND	ND	1.2 J	ND	0.2 J	ND
Benzyl Alcohol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	0.17 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.199	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	0.76 J	0.18 J	ND	ND	ND	ND	ND	ND	ND	0.14 J	0.17 J
Anthracene	1480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.39 J	0.85 J	0.14 J	0.16 J	0.42 J	0.53 J	ND	0.37J	0.17 J	0.12 J	0.47J	0.81 J
Fluoranthene	122	0.27 J	0.55 J	1.5	ND	ND	ND	0.14 J	0.42 J	0.47 J	ND	0.19 J	0.39 J
Benzidine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	78.5	0.27 J	0.99 J	1.1 J	ND	ND	ND	0.15 J	0.36 J	0.64 J	ND	0.23 J	0.34 J
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	0.17 J	0.4 J	0.37 J	ND	ND	ND	0.13 J	0.21 J	0.4 J	ND	ND	0.25 J
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	0.32 J	0.81 J	0.91 J	ND	ND	ND	0.2 J	0.48 J	0.66 J	ND	0.2 J	0.45 J
bis(2-Ethylhexyl)phthalate	0.925	0.12 J	0.25 J	0.17 J	ND	ND	0.14 J	0.17 J	0.16 J	0.5 J	0.19 J	0.66 J	0.15 J
Di-n-octylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	59.8	0.19 J	0.23 J	0.35 J	ND	ND	ND	ND	0.15 J	0.43 J	ND	ND	0.26 J
Benzo[k]fluoranthene	148	0.21 J	0.31 J	0.28 J	ND	ND	ND	ND	0.15 J	0.43 J	ND	ND	0.25 J
Benzo[a]pyrene	1.52	0.19 J	0.32 J	0.24 J	ND	ND	ND	ND	0.22 J	0.39 J	ND	ND	0.24 J
Indeno[1,2,3-cd]pyrene	109	0.13 J	ND	0.16 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,l]perylene	119	0.15 J	ND	0.18 J	ND	ND	ND	ND	ND	ND	ND	ND	ND

See Notes at End of Table

Table A-5
Soil Sampling Results
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Lab Sample ID	ESC (mg/kg)	4357.10	4357.12	4357.14	4357.16	4357.18	4357.20	4357.22	4357.24	4357.26	4357.28	4357.30	4372.02
Field Sample Location		B32FF (6-12")	B33GG (6-12")	B34HH (6-12")	B35II (6-12")	B36JJ (6-12")	B37KK (6-12")	B38LL (6-12")	B39MM (6-12")	B40NN (6-12")	B41OO (6-12")	B42PP (6-12")	B43 (6-12")
Sample Date		3/18/1999	3/18/1999	3/18/1999	3/18/1999	3/18/1999	3/18/1999	3/18/1999	3/18/1999	3/18/1999	3/18/1999	3/18/1999	3/26/1999
Pesticides/PCBs (mg/kg)													
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.596	0.055	0.046	0.061	ND	ND	0.024	0.029	0.078	0.056	0.014	0.042	0.097
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.758	0.031	0.093	0.173	ND	ND	0.021	0.137	0.302	0.087	ND	0.119	0.35
4,4'-DDT	0.0035	**0.099**	**0.217**	**0.038**	ND	ND	**0.051**	ND	**0.032**	ND	**0.036**	ND	**0.292**
gamma-Chlordane	0.224	ND	ND	0.021	ND	ND	ND	0.018	0.024	0.021	ND	ND	0.02
alpha-Chlordane	0.224	ND	ND	0.016	ND	ND	ND	0.013	0.022	0.029	ND	ND	0.015
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)													
Aluminum	50	**10100**	**6890**	**10600**	**15400**	**10200**	**7400**	**8850**	**12100**	**9160**	**9440**	**7360**	**10600**
Antimony	0.27	ND	**73.5**	ND	ND	ND	**0.719**	**4.61**	**4.68**	**5.07**	**0.635**	**7.26**	**0.531**
Arsenic	9.9	**13.6**	5.47	**10.0**	**10.8**	**14.8**	5.40	7.37	8.32	8.77	**10.6**	**9.93**	**11.5**
Barium	283	64.7	68.1	44.4	40.0	64.6	41.7	37.8	60.9	131	38.4	68.2	63.9
Beryllium	10	0.946	0.573	0.789	1.48	1.12	0.608	0.811	0.923	0.854	0.851	1.07	1.00
Cadmium	0.36	**1.33**	**0.542**	ND	ND	ND	ND	0.129	0.246	**5.29**	ND	ND	ND
Calcium	NAV	824	21100	1260	1780	691	1070	2340	5270	4130	1810	1450	2420
Chromium	0.4	**90.5**	**47.0**	**124**	**164**	**145**	**57.6**	**74.5**	**85.2**	**465**	**66.6**	**84.8**	**103**
Cobalt	13	1.31	4.11	1.46	0.726	1.16	2.52	1.85	3.48	2.89	1.35	1.18	1.63
Copper	28	**30.0**	**35.1**	**53.5**	3.38	18.7	15.3	9.28	20.1	**135**	14.0	25.4	24.1
Iron	NAV	28100	19500	28200	35800	40800	17000	23000	27600	27400	21700	28100	27200
Lead	11	**68.3**	**1090**	**59.4**	8.02	**79.1**	**24.0**	**108**	**181**	**112**	**17.4**	**90.1**	**134**
Magnesium	NAV	2540	1910	2980	5300	3940	1490	2450	3000	2530	1880	2670	3560
Manganese	220	25.7	110	27.1	23.5	18.1	79.1	27.3	132	43.1	29.3	21.0	39.9
Mercury	0.00051	**0.082**	**0.318**	**0.127**	**0.025**	**0.121**	**0.131**	**0.096**	**0.28**	**2.17**	**0.186**	**0.217**	**0.249**
Nickel	30	5.75	9.00	5.49	5.24	5.99	7.62	7.91	17.3	15.4	5.91	6.73	7.54
Potassium	NAV	5980	3430	6320	12000	10500	3380	5310	5970	5190	3620	5950	6710
Selenium	0.21	**2.02**	**1.46**	**1.13**	**3.25**	**2.08**	**0.919**	**0.942**	**1.04**	**1.45**	**1.29**	**1.18**	**0.752**
Silver	2	ND	ND	ND	ND	**2.34**	ND	ND	ND	**124**	ND	ND	ND
Sodium	NAV	256	206	160	141	198	105	136	148	215	152	223	165
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**40.7**	**38.0**	**52.8**	**71.5**	**46.5**	**44.1**	**48.5**	**121**	**71.4**	**37.9**	**37.6**	**53.0**
Zinc	8.5	**70.2**	**485**	**38.3**	**41.9**	**75.6**	**95.5**	**158**	**249**	**518**	**37.6**	**125**	**81.6**

See Notes at End of Table

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4372.04 B44 (6-12") 3/26/1999	4372.06 B45 (6-12") 3/26/1999	4372.08 B46 (6-12") 3/18/1999	4372.10 B47 (6-12") 3/26/1999	4372.12 B48 (6-12") 3/26/1999	4376.02 B49 (6-12") 3/29/1999	4376.04 B50 (6-12") 3/29/1999	4376.06 B51 (6-12") 3/29/1999	4376.08 B52 (6-12") 3/29/1999	4376.10 B53 (6-12") 3/29/1999	4376.12 B54 (6-12") 3/29/1999	4376.14 B55 (6-12") 3/29/1999
Semi-Volatiles (mg/kg)													
Aniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	20	ND	ND	ND	ND	ND	ND	ND	ND	0.35 J	ND	ND	ND
Benzyl Alcohol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	**0.23 J**	ND	ND	ND
4-Chloroaniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	0.36 J	ND	ND	ND
Acenaphthylene	682	ND	0.15 J	ND	ND	ND	ND	ND	ND	0.18 J	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.13 J	ND	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	0.17 J	ND	ND	ND
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.199	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	0.54 J	0.36 J	ND	ND	ND	0.19 J	ND	0.88 J	0.14 J	0.12 J	ND
Anthracene	1480	ND	0.21 J	ND	ND	ND	ND	ND	ND	0.14 J	ND	ND	ND
Di-n-butylphthalate	200	0.79 J	0.63 J	0.45 J	0.39 J	0.22 J	0.65 J	0.26 J	0.98 J	0.59 J	1.1	0.55 J	0.26 J
Fluoranthene	122	ND	1.1 J	0.46 J	ND	0.21 J	ND	0.29 J	ND	0.53 J	0.29 J	0.26 J	0.15 J
Benzidine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	78.5	ND	1.2	0.49 J	0.17 J	0.36 J	0.34 J	0.41 J	ND	0.88 J	0.16 J	0.26 J	0.16 J
Butylbenzylphthalate	0.239	ND	ND	ND	ND	0.16 J	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	0.58 J	0.25 J	ND	0.2 J	ND	0.2 J	ND	0.36 J	ND	0.14 J	ND
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	ND	1.0 J	0.48 J	0.18 J	0.44 J	0.35 J	0.4 J	ND	0.73 J	0.23 J	0.26 J	0.17 J
bis(2-Ethylhexyl)phthalate	0.925	0.13 J	0.41 J	0.19 J	0.28 J	0.26 J	0.37 J	0.15 J	0.15 J	0.34 J	ND	0.2 J	ND
Di-n-octylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	59.8	ND	0.56 J	0.26 J	ND	0.23 J	ND	0.18 J	ND	0.19 J	0.11 J	0.12 J	ND
Benzo[k]fluoranthene	148	ND	0.53 J	0.22 J	ND	0.21 J	ND	0.18 J	ND	0.2 J	0.15 J	0.14 J	ND
Benzo[a]pyrene	1.52	ND	0.64 J	0.25 J	ND	0.21 J	ND	0.21 J	ND	0.31 J	0.12 J	0.13 J	ND
Indeno[1,2,3-cd]pyrene	109	ND	0.22 J	ND	ND	ND	ND	ND	ND	0.17 J	ND	ND	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,I]perylene	119	ND	0.25 J	ND	ND	ND	ND	ND	ND	0.24 J	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4372.04 B44 (6-12") 3/26/1999	4372.06 B45 (6-12") 3/26/1999	4372.08 B46 (6-12") 3/18/1999	4372.10 B47 (6-12") 3/26/1999	4372.12 B48 (6-12") 3/26/1999	4376.02 B49 (6-12") 3/29/1999	4376.04 B50 (6-12") 3/29/1999	4376.06 B51 (6-12") 3/29/1999	4376.08 B52 (6-12") 3/29/1999	4376.10 B53 (6-12") 3/29/1999	4376.12 B54 (6-12") 3/29/1999	4376.14 B55 (6-12") 3/29/1999
Pesticides/PCBs (mg/kg)													
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.596	ND	0.082	0.024	0.158	0.12	0.081	0.043	0.045	ND	0.073	0.015	0.022
Dieldrin	0.0049	ND	ND	ND	**0.011**	ND	ND	**0.022**	ND	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.758	ND	0.358	0.108	0.309	0.458	0.203	0.071	0.067	0.039	0.407	ND	0.043
4,4'-DDT	0.0035	ND	**0.042**	ND	**0.043**	ND	ND	**0.031**	**0.28**	ND	**0.047**	**0.055**	ND
gamma-Chlordane	0.224	ND	0.016	0.012	0.022	0.021	0.016	0.02	ND	ND	0.023	0.013	ND
alpha-Chlordane	0.224	ND	0.013	ND	0.014	0.012	ND	0.018	ND	ND	0.016	ND	ND
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)													
Aluminum	50	**8030**	**7910**	**9610**	**8180**	**15300**	**36900**	**13500**	**6650**	**17000**	**9670**	**7520**	**14800**
Antimony	0.27	**0.492**	**3.10**	**1.63**	**19.8**	**1.94**	**29.8**	**2.77**	**0.503**	ND	**0.469**	ND	**0.537**
Arsenic	9.9	5.98	8.56	**11.1**	8.45	9.18	9.76	**10.7**	7.55	**11.5**	5.86	**11.8**	7.37
Barium	283	12.0	62.5	57.6	40.3	55.1	157	45.0	26.7	58.2	39.3	32.7	10.7
Beryllium	10	0.609	0.768	1.05	0.836	1.47	1.05	1.09	0.803	1.32	0.653	0.726	1.02
Cadmium	0.36	ND	**0.526**	ND	0.228	ND	**0.488**	**0.546**	ND	ND	ND	**0.39**	ND
Calcium	NAV	716	3340	2560	1740	1550	4080	2640	620	2370	526	2480	824
Chromium	0.4	**57.6**	**58.1**	**94.1**	**79.8**	**96.1**	**83.6**	**84.7**	**82.4**	**137**	**51.3**	**67.4**	**108**
Cobalt	13	2.40	4.65	2.85	3.00	2.76	6.89	3.87	0.865	2.88	1.57	2.09	1.66
Copper	28	4.32	**49.4**	**44.4**	19.5	10.1	**40.1**	**28.9**	12.9	24.7	11.4	18.2	18.3
Iron	NAV	21200	23100	31400	24200	31700	32200	27800	21800	38100	17500	24000	38800
Lead	11	4.48	**87.2**	**90.6**	**141**	**59.1**	**1490**	**188**	**21.0**	**30.0**	**17.3**	**49.2**	8.41
Magnesium	NAV	1450	2820	3290	2170	3490	3000	2780	2400	4490	1720	2880	3530
Manganese	220	91.7	101	80.9	75.7	40.3	152	91.1	16.9	95.2	38.2	60.9	27.1
Mercury	0.00051	**0.067**	**0.26**	**0.297**	**0.838**	**0.098**	**0.221**	**0.155**	**0.048**	**0.086**	**0.166**	**4.472**	**0.516**
Nickel	30	3.99	12.6	17.9	12.7	12.3	19.4	15.3	3.94	14.4	5.29	7.60	9.07
Potassium	NAV	3640	3530	6230	4600	7360	5170	4390	5820	10400	3240	5220	5180
Selenium	0.21	ND	**1.16**	**0.698**	**0.722**	ND	ND	ND	**0.648**	**0.896**	ND	ND	**0.995**
Silver	2	ND	ND	1.93	1.71	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	168	215	192	219	161	310	356	137	269	537	185	107
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**58.3**	**50.3**	**107**	**39.5**	**60.9**	**48.6**	**62.4**	**37.1**	**78.1**	**29.6**	**38.5**	**58.2**
Zinc	8.5	**25.0**	**320**	**221**	**231**	**129**	**651**	**360**	**32.2**	**85.7**	**30.9**	**91.0**	**72.7**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4376.16 B56 (6-12") 3/29/1999	4376.18 B57 (6-12") 3/29/1999	4376.20 B58 (6-12") 3/29/1999	4376.22 B59 (6-12") 3/29/1999	4376.24 B60 (6-12") 3/29/1999	4376.26 B61 (6-12") 3/29/1999	4376.28 B62 (6-12") 3/29/1999	4376.30 B63 (6-12") 3/29/1999	4376.32 B64 (6-12") 3/29/1999	4376.34 B65 (6-12") 3/29/1999	4376.36 B66 (6-12") 3/29/1999	4382.02 B67 (6-12") 3/30/1999
Semi-Volatiles (mg/kg)													
Aniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	20	ND	ND	1.6 J	0.26 J	ND	ND	0.61 J	ND	ND	4.2	ND	ND
Benzyl Alcohol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1 J	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	**0.24 J**	ND	ND	ND	**0.54 J**	ND	ND	**10**	**0.56 J**	ND
4-Chloroaniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.52 J	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	0.27 J	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	0.56 J	ND	ND	0.48 J	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	0.33 J	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.22 J	ND	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	0.74 J	ND	ND	ND	ND
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.199	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	0.23 J	0.29 J	0.22 J	0.53 J	ND	ND	0.18 J	6.3	0.26 J	ND	0.27 J	0.32 J
Anthracene	1480	ND	ND	ND	0.15 J	ND	ND	ND	1.9	ND	ND	ND	ND
Di-n-butylphthalate	200	1.3	0.59 J	2.5	0.63 J	0.32 J	0.17 J	0.21 J	0.42 J	ND	2.7	0.65 J	0.22 J
Fluoranthene	122	0.43 J	0.7 J	0.21 J	0.63 J	ND	ND	0.31 J	8.0	0.41 J	ND	0.96 J	0.75 J
Benzidine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	78.5	0.4 J	0.66 J	0.29 J	0.63 J	ND	ND	0.24 J	6.2	0.34 J	ND	0.91 J	0.68 J
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	0.2 J	0.4 J	ND	0.31 J	ND	ND	0.24 J	3.6	0.22 J	ND	0.29 J	0.41 J
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	0.39 J	0.63 J	0.29 J	0.58 J	ND	ND	0.23 J	**5.4**	0.35 J	ND	0.46 J	0.7 J
bis(2-Ethylhexyl)phthalate	0.925	0.22 J	ND	**3.6**	0.8 J	0.16 J	0.18 J	**28**	0.17 J	0.49 J	**4.9**	**1.9**	0.23 J
Di-n-octylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	59.8	0.18 J	0.31 J	ND	0.25 J	ND	ND	ND	3.4	0.17 J	ND	0.3 J	0.45 J
Benzo[k]fluoranthene	148	0.18 J	0.28 J	ND	0.23 J	ND	ND	ND	2.3	0.15 J	ND	0.31 J	0.4 J
Benzo[a]pyrene	1.52	0.19 J	0.35 J	ND	0.27 J	ND	ND	ND	**3.1**	0.18 J	ND	0.25 J	0.45 J
Indeno[1,2,3-cd]pyrene	109	0.17 J	0.24 J	ND	0.15 J	ND	ND	ND	1.7	ND	ND	ND	0.2 J
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	0.82 J	ND	ND	ND	ND
Benzo[g,h,l]perylene	119	0.17 J	0.25 J	ND	0.16 J	ND	ND	ND	1.5	ND	ND	ND	0.2 J

See Notes at End of Table

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Lab Sample ID	ESC (mg/kg)	4376.16	4376.18	4376.20	4376.22	4376.24	4376.26	4376.28	4376.30	4376.32	4376.34	4376.36	4382.02
Field Sample Location		B56 (6-12")	B57 (6-12")	B58 (6-12")	B59 (6-12")	B60 (6-12")	B61 (6-12")	B62 (6-12")	B63 (6-12")	B64 (6-12")	B65 (6-12")	B66 (6-12")	B67 (6-12")
Sample Date		3/29/1999	3/29/1999	3/29/1999	3/29/1999	3/29/1999	3/29/1999	3/29/1999	3/29/1999	3/29/1999	3/29/1999	3/29/1999	3/30/1999
Pesticides/PCBs (mg/kg)													
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.596	0.13	0.093	ND	0.077	0.072	0.045	0.054	0.08	0.073	ND	0.052	0.153
Dieldrin	0.0049	ND	ND	ND	ND	**0.022**	ND	ND	ND	ND	ND	ND	**0.033**
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.758	0.101	0.414	0.087	0.144	0.111	0.124	0.272	0.043	0.10	0.144	0.173	0.737
4,4'-DDT	0.0035	**0.247**	**0.057**	ND	**0.078**	**0.145**	**0.079**	ND	**0.214**	ND	**0.658**	ND	**0.093**
gamma-Chlordane	0.224	0.012	0.028	ND	ND	0.019	ND	ND	ND	ND	ND	0.014	0.08
alpha-Chlordane	0.224	ND	0.018	ND	ND	0.015	ND	ND	ND	ND	ND	ND	0.062
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	**4.763**	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)													
Aluminum	50	**11800**	**9840**	**9520**	**7790**	**15400**	**8470**	**12400**	**11200**	**13900**	**10200**	**8630**	**9030**
Antimony	0.27	ND	**4.02**	ND	**1.30**	**4.46**	**4.48**	**1.95**	**0.648**	**0.627**	**10.3**	ND	**5.21**
Arsenic	9.9	**11.7**	8.78	8.56	8.72	8.62	7.85	5.72	8.89	**11.9**	8.31	8.66	**18.3**
Barium	283	30.9	79.3	66.8	64.1	43.3	53.6	85.0	39.8	83.2	**498**	35.6	48.2
Beryllium	10	0.802	0.88	0.646	0.745	0.759	0.700	0.58	0.907	1.30	0.461	1.02	0.768
Cadmium	0.36	ND	**1.26**	ND	ND	ND	ND	**2.25**	0.124	ND	ND	ND	**5.63**
Calcium	NAV	748	2050	4140	8930	1500	2460	3850	894	706	8150	431	4960
Chromium	0.4	**97.8**	**74.5**	**57.5**	**75.4**	**62.0**	**61.5**	**107**	**69.1**	**119**	**90.7**	**99.2**	**92.2**
Cobalt	13	1.70	3.00	3.71	3.06	4.93	3.56	4.81	3.02	2.48	5.68	1.42	6.07
Copper	28	22.5	22.7	**38.8**	**63.5**	12.6	16.1	**91.7**	16.6	**72.5**	**145**	18.0	**69.9**
Iron	NAV	32400	26600	34900	80600	25600	23200	37700	30600	40600	69200	29200	80500
Lead	11	**50.4**	**883**	**187**	**169**	**666**	**352**	**199**	**37.1**	**117**	**222**	**20.3**	**243**
Magnesium	NAV	3380	2460	2380	2380	2090	2330	1460	2120	3600	1640	2840	2810
Manganese	220	38.6	35.2	**222**	**455**	178	165	210	99.7	41.8	**324**	27.8	**340**
Mercury	0.00051	**0.168**	**0.367**	**2.805**	**1.632**	**0.425**	**0.377**	**1.572**	**0.273**	**0.661**	**0.500**	**0.089**	**0.314**
Nickel	30	6.45	11.0	16.1	12.7	11.3	9.06	**56.7**	11.0	10.9	27.0	7.08	22.0
Potassium	NAV	7380	5110	3680	4350	3680	4030	2690	4670	8060	3290	6890	5610
Selenium	0.21	ND	**0.847**	ND	**0.882**	ND	ND	ND	ND	ND	ND	ND	ND
Silver	2	ND	ND	ND	**3.49**	ND	ND	**2.93**	ND	ND	**5.80**	ND	ND
Sodium	NAV	528	169	312	274	132	126	145	108	208	259	122	132
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**52.0**	**73.0**	**42.1**	**38.5**	**47.7**	**40.9**	**27.1**	**62.8**	**61.8**	**29.4**	**44.7**	**52.8**
Zinc	8.5	**44.3**	**249**	**189**	**327**	**544**	**380**	**2820**	**108**	**116**	**375**	**70.7**	**1710**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4382.04 B68 (6-12") 3/30/1999	4382.06 B69 (6-12") 3/30/1999	4382.08 B70 (6-12") 3/30/1999	4382.10 B71 (6-12") 3/30/1999	4382.12 B72 (6-12") 3/30/1999	4382.14 B73 (6-12") 3/30/1999	4382.16 B74 (6-12") 3/30/1999	4382.18 B75 (6-12") 3/30/1999	4382.20 B76 (6-12") 3/30/1999	4382.22 B77 (6-12") 3/30/1999	4382.24 B78 (6-12") 3/30/1999	4382.28 B79 (6-12") 3/30/1999
Semi-Volatiles (mg/kg)													
Aniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	20	ND	ND	ND	ND	ND	0.23 J	ND	ND	ND	ND	0.4 J	ND
Benzyl Alcohol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.3 J**	ND
4-Chloroaniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	0.18 J	ND	0.49 J	ND	ND	ND	ND	0.14 J
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	0.18 J	0.15 J	ND	ND	ND	ND	ND	ND	ND	ND	0.23 J	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.199	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	1.0 J	0.24 J	0.15 J	0.58 J	ND	1.3	ND	ND	0.14 J	0.29 J	0.15 J
Anthracene	1480	ND	0.2 J	ND	ND	0.25 J	ND	0.51 J	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.68 J	0.61 J	0.44 J	0.52 J	0.53 J	0.74 J	0.23 J	0.13 J	0.22 J	0.16 J	0.92 J	0.45 J
Fluoranthene	122	ND	2.1	0.51 J	0.76 J	1.4	ND	2.4	ND	0.2 J	0.18 J	0.4 J	0.38 J
Benzidine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	78.5	ND	1.6	0.45 J	0.7 J	1.3	ND	2.4	ND	0.19 J	0.19 J	0.55 J	0.45 J
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	0.92 J	0.26 J	0.5 J	0.78 J	ND	1.3	ND	ND	ND	0.16 J	0.26 J
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	ND	1.6	0.64 J	0.81 J	1.4	ND	2.3	ND	0.2 J	0.2 J	0.47 J	0.48 J
bis(2-Ethylhexyl)phthalate	0.925	0.16 J	ND	0.19 J	0.33 J	0.92 J	0.28 J	0.35 J	ND	0.18 J	0.27 J	**5.0**	ND
Di-n-octylphthalate	NAV	ND	ND	ND	ND	0.26 J	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	59.8	ND	0.86 J	0.4 J	0.67 J	0.88 J	ND	1.5	ND	0.13 J	ND	ND	0.29 J
Benzo[k]fluoranthene	148	ND	0.86 J	0.34 J	0.49 J	0.89 J	ND	1.4	ND	ND	ND	ND	0.28 J
Benzo[a]pyrene	1.52	ND	0.96 J	0.29 J	0.48 J	0.89 J	ND	1.5	ND	ND	ND	ND	0.33 J
Indeno[1,2,3-cd]pyrene	109	ND	0.65 J	0.24 J	0.2 J	0.45 J	ND	0.75 J	ND	ND	ND	ND	ND
Dibenz[a,h]anthracene	18.4	ND	0.22 J	ND	ND	ND	ND	0.29 J	ND	ND	ND	ND	ND
Benzo[g,h,l]perylene	119	ND	0.7 J	0.25 J	0.18 J	0.43 J	ND	0.7 J	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4382.04 B68 (6-12") 3/30/1999	4382.06 B69 (6-12") 3/30/1999	4382.08 B70 (6-12") 3/30/1999	4382.10 B71 (6-12") 3/30/1999	4382.12 B72 (6-12") 3/30/1999	4382.14 B73 (6-12") 3/30/1999	4382.16 B74 (6-12") 3/30/1999	4382.18 B75 (6-12") 3/30/1999	4382.20 B76 (6-12") 3/30/1999	4382.22 B77 (6-12") 3/30/1999	4382.24 B78 (6-12") 3/30/1999	4382.28 B79 (6-12") 3/30/1999
Pesticides/PCBs (mg/kg)													
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.596	0.074	ND	0.04	0.01	0.045	0.023	0.2	0.02	0.198	0.208	0.122	0.025
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	**0.12**	ND	**0.121**	**0.128**	ND	**0.015**
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.758	0.03	ND	0.058	ND	0.174	0.042	**2.173**	0.025	**1.108**	**0.973**	0.099	0.037
4,4'-DDT	0.0035	**0.104**	ND	**0.029**	**0.048**	ND	ND	**0.121**	ND	**0.846**	**0.344**	**0.08**	**0.039**
gamma-Chlordane	0.224	0.021	ND	0.011	ND	0.022	ND	0.209	ND	0.065	0.045	0.043	0.02
alpha-Chlordane	0.224	0.023	ND	ND	ND	0.018	ND	0.204	ND	0.042	0.034	0.034	0.016
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**21.554**	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)													
Aluminum	50	**11700**	**17500**	**18100**	**6300**	**10700**	**18500**	**12000**	**9690**	**15000**	**13600**	**9350**	**9400**
Antimony	0.27	**0.537**	ND	ND	**0.53**	**6.95**	ND	**1.11**	ND	**9.21**	**5.47**	**1.52**	ND
Arsenic	9.9	8.71	**13.4**	**15.7**	5.61	7.99	**18.6**	**10.2**	**11.2**	**10.5**	9.73	**11.0**	8.14
Barium	283	66.9	28.0	46.9	20.4	85.3	94.3	**304**	60.6	66.9	117	86.4	50.2
Beryllium	10	0.962	2.07	1.61	0.45	0.87	2.05	0.992	1.16	1.70	1.29	0.764	0.952
Cadmium	0.36	ND	ND	ND	ND	**0.751**	ND	**1.67**	ND	0.152	ND	0.27	ND
Calcium	NAV	2150	1480	1760	5240	49400	4170	7270	765	1990	1020	2000	1200
Chromium	0.4	**80.8**	**194**	**196**	**48.4**	**76.0**	**254**	**89.7**	**110**	**103**	**101**	**74.9**	**88.8**
Cobalt	13	2.40	1.76	2.73	2.18	2.96	0.695	5.47	1.72	3.21	1.97	4.69	2.34
Copper	28	10.6	7.53	**36.6**	23.5	23.4	**28.2**	**115**	3.76	15.0	13.4	**58.5**	13.1
Iron	NAV	18000	61600	50000	26100	27300	68200	36000	31000	36600	33200	47100	26000
Lead	11	**25.1**	**29.2**	**69.2**	**46.1**	**353**	**47.5**	**137**	8.35	**549**	**255**	**145**	**44.3**
Magnesium	NAV	2110	7490	7990	3750	3550	7730	4220	3260	4450	3830	2500	3050
Manganese	220	55.5	47.8	60.6	113	**495**	104	102	62.5	48.7	31.2	**663**	57.7
Mercury	0.00051	**0.095**	**0.162**	**0.185**	**0.15**	**0.378**	**0.312**	**1.963**	**0.228**	**0.147**	**0.108**	**11.096**	**0.949**
Nickel	30	8.05	8.48	11.6	8.26	11.7	6.96	29.1	6.82	16.6	9.07	27.8	12.6
Potassium	NAV	3330	17900	14000	3140	5420	17600	5980	7430	8070	8300	4650	6610
Selenium	0.21	ND	ND	**1.08**	ND	ND	**4.02**	ND	**0.732**	ND	ND	**0.965**	**0.906**
Silver	2	ND	ND	1.36	ND	ND	ND	**35.6**	ND	ND	ND	**2.58**	1.74
Sodium	NAV	129	156	363	199	154	170	425	93.0	123	131	193	145
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**48.5**	**85.7**	**81.8**	**31.2**	**60**	**91.2**	**87.1**	**49.7**	**62**	**57.6**	**71.7**	**65.0**
Zinc	8.5	**82.5**	**82.5**	**122**	**66.6**	**362**	**82.5**	**553**	**35.2**	**383**	**114**	**663**	**77.3**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4382.30 B80 (6-12") 3/30/1999	4382.32 B81 (6-12") 3/30/1999	4382.34 B82 (6-12") 3/30/1999	4382.38 B83 (6-12") 3/30/1999	4382.40 B84 (6-12") 3/30/1999	4382.42 B85 (6-12") 3/30/1999	4382.44 B86 (6-12") 3/30/1999	4382.46 B87 (6-12") 3/30/1999	4382.48 B88 (6-12") 3/30/1999	4389.02 B89 (6-12") 4/1/1999	4389.04 B90 (6-12") 4/1/1999	4389.06 B91 (6-12") 4/1/1999
Semi-Volatiles (mg/kg)													
Aniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	20	ND	ND	ND	ND	ND	ND	0.41 J	ND	ND	ND	ND	3.2 J
Benzyl Alcohol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	**0.21 J**	ND	ND	ND	ND	**3.3 J**
4-Chloroaniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.6 J
Acenaphthylene	682	0.39 J	0.50 J	ND	ND	ND	ND	ND	ND	1.7 J	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	0.17 J	ND	ND	ND	ND	ND	ND	ND	1.4 J	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	0.14 J	0.16 J	0.18 J	ND	0.40 J	ND	ND	ND	ND
Fluorene	122	0.48 J	ND	ND	ND	ND	ND	ND	ND	3.9 J	ND	ND	ND
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.199	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	3.6	0.40 J	ND	ND	0.20 J	0.21 J	0.38 J	0.63 J	26	ND	ND	1.0 J
Anthracene	1480	1.6	0.24 J	ND	ND	ND	ND	ND	ND	8.6 J	ND	ND	ND
Di-n-butylphthalate	200	0.32 J	0.42 J	ND	0.22 J	0.16 J	0.69 J	0.15 J	1.1 J	ND	1.0 J	0.36 J	1.4 J
Fluoranthene	122	8.9	0.74 J	ND	0.19 J	0.44 J	0.45 J	0.61 J	ND	39	ND	0.18 J	1.1 J
Benzidine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	78.5	8	1.2 J	ND	0.16 J	0.43 J	0.42 J	0.52 J	ND	31	0.15 J	0.19 J	1.6 J
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	5.2	0.40 J	ND	ND	0.27 J	0.25 J	0.25 J	ND	**19**	ND	ND	1.3 J
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	**7.2**	1.1 J	ND	0.20 J	0.5 J	0.45 J	0.45 J	ND	**28**	0.17 J	0.20 J	1.6 J
bis(2-Ethylhexyl)phthalate	0.925	ND	0.21 J	ND	ND	ND	ND	0.58 J	**9.3**	ND	ND	0.32 J	**2.0 J**
Di-n-octylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	59.8	6.0	0.70 J	ND	ND	0.23 J	0.22 J	0.24 J	ND	15	ND	0.15 J	ND
Benzo[k]fluoranthene	148	4.7	0.54 J	ND	ND	0.29 J	0.26 J	0.23 J	ND	15	ND	0.14 J	ND
Benzo[a]pyrene	1.52	**4.8**	0.89 J	ND	ND	0.27 J	0.27 J	0.25 J	ND	**17**	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	2	ND	ND	ND	0.21 J	0.18 J	ND	ND	9.2 J	ND	ND	ND
Dibenz[a,h]anthracene	18.4	1.0 J	ND	ND	ND	ND	ND	ND	ND	4.5 J	ND	ND	ND
Benzo[g,h,l]perylene	119	1.7	ND	ND	ND	0.23 J	0.2 J	ND	ND	9.2 J	ND	ND	ND

See Notes at End of Table

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4382.30 B80 (6-12") 3/30/1999	4382.32 B81 (6-12") 3/30/1999	4382.34 B82 (6-12") 3/30/1999	4382.38 B83 (6-12") 3/30/1999	4382.40 B84 (6-12") 3/30/1999	4382.42 B85 (6-12") 3/30/1999	4382.44 B86 (6-12") 3/30/1999	4382.46 B87 (6-12") 3/30/1999	4382.48 B88 (6-12") 3/30/1999	4389.02 B89 (6-12") 4/1/1999	4389.04 B90 (6-12") 4/1/1999	4389.06 B91 (6-12") 4/1/1999
Pesticides/PCBs (mg/kg)													
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.596	0.075	0.071	0.009	0.016	0.056	0.058	0.051	ND	0.069	0.29	0.023	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	**0.017**	ND	ND	**0.085**	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.758	0.102	0.306	0.012	0.021	0.09	0.069	0.096	ND	0.199	0.594	0.03	0.032
4,4'-DDT	0.0035	**0.045**	**0.058**	**0.026**	**0.037**	**0.057**	ND	**0.029**	ND	**0.038**	**1.811**	**0.027**	ND
gamma-Chlordane	0.224	0.031	0.016	ND	ND	0.018	0.02	0.012	ND	0.082	0.045	0.019	ND
alpha-Chlordane	0.224	0.019	0.018	ND	ND	0.014	0.012	ND	ND	0.055	0.038	0.015	ND
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	**12.604**	ND	ND	ND	**50.742**
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)													
Aluminum	50	**6640**	**13000**	**5160**	**21600**	**9310**	**6870**	**7390**	**13400**	**5840**	**10600**	**8310**	**8260**
Antimony	0.27	ND	**4.89**	**0.553**	ND	**0.461**	**88.4**	**122**	**3.00**	ND	**6.90**	**0.712**	**1.62**
Arsenic	9.9	7.27	**11.7**	1.43	**16.2**	8.42	**97.8**	**130**	**10.4**	9.29	9.65	7.38	2.84
Barium	283	16.3	65.0	36.3	58.1	38.1	**447**	**569**	162	29.4	40.7	35.7	**303**
Beryllium	10	0.62	0.993	0.287	2.65	0.981	**20.0**	**25.7**	0.491	0.612	1.11	0.803	ND
Cadmium	0.36	ND	**0.42**	ND	ND	ND	**9.24**	**12.7**	**1.25**	0.241	ND	ND	**8.99**
Calcium	NAV	1790	2350	2420	1510	515	2200	1280	3190	1580	2440	2470	4300
Chromium	0.4	**68.4**	**106**	**20.9**	**325**	**92.2**	**104**	**141**	**69.6**	**48.4**	**85.1**	**73.2**	**31.4**
Cobalt	13	1.10	2.79	2.88	1.05	1.22	**94.4**	**130**	6.10	2.28	3.06	2.74	1.64
Copper	28	9.16	20.6	18.6	13.2	8.40	**136**	**162**	**1030**	24.9	14.5	16.9	**321**
Iron	NAV	18700	38700	10700	72400	26300	23600	22400	40200	22200	31600	24400	14200
Lead	11	**18.8**	**235**	**62.9**	**25.0**	**39.8**	**314**	**158**	**300**	**68.5**	**298**	**94.4**	**118**
Magnesium	NAV	2530	3520	1160	10700	2960	1760	2080	1630	2000	3470	2930	486
Manganese	220	24.4	70.2	46.5	21.7	27.7	172	171	204	218	89.7	72.1	87.6
Mercury	0.00051	**0.112**	**0.495**	**0.070**	**0.062**	**0.097**	**0.348**	**0.182**	**3.361**	**2.213**	**0.154**	**0.109**	**21.9**
Nickel	30	3.86	11.7	10.5	6.70	6.52	**103**	**138**	**43.1**	8.43	12.3	10.2	7.60
Potassium	NAV	5120	7950	1370	26400	7010	3960	4810	1780	3650	6620	4980	820
Selenium	0.21	ND	ND	ND	ND	ND	**87.7**	**119**	ND	ND	ND	ND	ND
Silver	2	ND	1.73	ND	ND	ND	**15.3**	**19.8**	**5.60**	ND	ND	ND	**8.37**
Sodium	NAV	108	223	236	107	108	89.6	200	241	177	133	126	266
Thallium	1	ND	ND	ND	ND	ND	**86.9**	**119**	ND	ND	ND	ND	ND
Vanadium	2	**40.5**	**59.8**	**16.4**	**105**	**44.4**	**128**	**157**	**42.6**	**29.4**	**47.9**	**46.8**	**13.1**
Zinc	8.5	**37.2**	**146**	**63.9**	**85.7**	**54.0**	**311**	**330**	**851**	**358**	**302**	**99.4**	**9550**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4389.08 B92 (6-12") 4/1/1999	4389.10 B93 (6-12") 4/1/1999	4389.12 B94 (6-12") 4/1/1999	4389.14 B95 (6-12") 4/1/1999	4389.16 B96 (6-12") 4/1/1999	4389.18 B97 (6-12") 4/1/1999	4389.20 B98 (6-12") 4/1/1999	4389.22 B99 (6-12") 4/1/1999	4389.24 B100 (6-12") 4/1/1999	4389.26 B101 (6-12") 4/1/1999	4389.28 B102 (6-12") 4/1/1999	4389.30 B103 (6-12") 4/1/1999
Semi-Volatiles (mg/kg)													
Aniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	20	ND	ND	0.27 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	**0.17 J**	ND	ND	ND	ND	ND	ND
4-Chloroaniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	7.9 J	0.84 J	0.29 J	ND	0.31 J	0.42 J	ND	ND	0.11 J	ND	ND	0.74 J
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	122	ND	ND	0.19 J	ND	ND	0.29 J	ND	ND	ND	ND	ND	ND
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.199	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	9.9 J	0.77 J	0.83 J	ND	0.38 J	1.7	0.20 J	ND	0.34 J	0.15 J	ND	0.27 J
Anthracene	1480	4.7 J	0.60 J	0.41 J	ND	0.17 J	0.46 J	ND	ND	0.14 J	ND	ND	0.19 J
Di-n-butylphthalate	200	ND	0.68 J	0.41 J	0.86 J	0.59 J	1.2 J	1.5	0.39 J	0.35 J	0.66 J	0.60 J	1.3 J
Fluoranthene	122	16	5.2	1.8	ND	0.66 J	1.9	0.41 J	0.24 J	0.69 J	0.36 J	0.15 J	0.39 J
Benzidine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	78.5	20	8.2	2.3	ND	0.84 J	2.0	0.50 J	0.25 J	0.71 J	0.35 J	0.18 J	0.99 J
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.12 J	ND
Benzo[a]anthracene	5.21	**13 J**	3.2	1.0 J	ND	0.53 J	1.1 J	0.26 J	ND	0.37 J	0.20 J	ND	0.38 J
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	**22**	**6.2**	1.9	ND	1.7	1.9	0.49 J	0.23 J	0.67 J	0.33 J	0.19 J	0.80 J
bis(2-Ethylhexyl)phthalate	0.925	ND	ND	0.34 J	ND	ND	0.58 J	0.25 J	ND	0.26 J	ND	0.16 J	ND
Di-n-octylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	59.8	11 J	7.3	1.2 J	ND	0.94 J	0.81 J	0.31 J	ND	0.45 J	0.19 J	ND	0.44 J
Benzo[k]fluoranthene	148	11 J	5.0	0.97 J	ND	0.72 J	0.96 J	0.29 J	ND	0.43 J	0.21 J	ND	0.44 J
Benzo[a]pyrene	1.52	**15**	**7.9**	0.99 J	ND	0.78 J	1.1 J	0.28 J	ND	0.41 J	0.21 J	0.12 J	0.76 J
Indeno[1,2,3-cd]pyrene	109	7.8 J	2.4	0.38 J	ND	0.42 J	0.51 J	ND	ND	ND	ND	ND	0.28 J
Dibenz[a,h]anthracene	18.4	3.1 J	1.2	ND	ND	0.24 J	0.21 J	ND	ND	ND	ND	ND	ND
Benzo[g,h,I]perylene	119	8.5 J	2.0	ND	ND	0.44 J	0.52 J	ND	ND	ND	0.12 J	ND	0.40J

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4389.08 B92 (6-12") 4/1/1999	4389.10 B93 (6-12") 4/1/1999	4389.12 B94 (6-12") 4/1/1999	4389.14 B95 (6-12") 4/1/1999	4389.16 B96 (6-12") 4/1/1999	4389.18 B97 (6-12") 4/1/1999	4389.20 B98 (6-12") 4/1/1999	4389.22 B99 (6-12") 4/1/1999	4389.24 B100 (6-12") 4/1/1999	4389.26 B101 (6-12") 4/1/1999	4389.28 B102 (6-12") 4/1/1999	4389.30 B103 (6-12") 4/1/1999
Pesticides/PCBs (mg/kg)													
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.596	0.093	0.037	0.109	0.016	0.018	0.031	0.122	ND	0.025	0.029	0.012	0.107
Dieldrin	0.0049	ND	ND	**0.017**	ND	ND	ND	**0.016**	ND	ND	ND	**0.026**	**0.019**
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.758	0.499	0.052	**0.943**	0.027	0.028	0.06	0.172	ND	0.049	0.024	ND	0.118
4,4'-DDT	0.0035	**0.159**	ND	**0.03**	ND	ND	ND	**0.081**	ND	**0.024**	ND	ND	**0.131**
gamma-Chlordane	0.224	0.039	ND	0.054	ND	ND	0.015	0.031	ND	ND	ND	ND	0.019
alpha-Chlordane	0.224	0.032	ND	0.033	ND	ND	0.014	0.028	ND	ND	ND	ND	0.016
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)													
Aluminum	50	**19600**	**7630**	**17200**	**8990**	**11300**	**8190**	**10600**	**8450**	**9740**	**11300**	**8510**	**9250**
Antimony	0.27	**1.60**	ND	**0.482**	ND	ND	**0.539**	ND	**152**	**0.975**	ND	ND	**3.13**
Arsenic	9.9	**17.7**	8.52	**10.3**	7.47	**11.2**	9.81	7.72	**12.6**	7.94	**10.9**	8.28	**12.7**
Barium	283	88.8	51.2	86.1	23.1	67.4	47.2	37.4	42.4	43.7	34.2	30.3	57.1
Beryllium	10	1.87	1.09	1.84	0.981	1.41	0.947	1.01	0.824	1.24	0.932	0.961	0.89
Cadmium	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.309
Calcium	NAV	2350	2130	2740	373	2490	1590	3170	2390	876	1700	1380	5510
Chromium	0.4	**162**	**104**	**168**	**101**	**137**	**83.0**	**70.2**	**71.6**	**92.7**	**82.7**	**94.3**	**88.4**
Cobalt	13	4.49	1.37	3.64	0.984	2.14	2.09	4.85	4.73	2.61	3.24	1.69	2.98
Copper	28	**38.6**	10.0	10.3	3.52	12.5	23.5	18.8	17.5	11.8	11.2	4.88	**31.1**
Iron	NAV	51100	27100	36200	26600	34300	30000	29000	47000	25800	36200	25300	27400
Lead	11	**118**	**30.9**	**49.2**	9.51	**26.6**	**50.3**	**70.9**	**298**	**79.7**	**129**	**17.9**	**637**
Magnesium	NAV	5650	3240	5390	3210	4400	2550	3510	2390	3000	1520	3000	2910
Manganese	220	82.5	38.2	51.8	22.5	53.4	112	114	168	41.2	127	30.6	86.7
Mercury	0.00051	**0.801**	**0.111**	**0.246**	ND	**0.183**	**0.508**	**0.175**	**0.177**	**0.105**	**0.154**	**0.058**	**0.362**
Nickel	30	20.2	7.48	13.3	4.05	9.60	8.47	13.4	21.4	9.37	12.3	7.53	14.0
Potassium	NAV	11200	7430	11800	7510	9320	5790	4290	4530	6500	3380	6790	5560
Selenium	0.21	ND	ND	**0.73**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	2	**2.22**	ND	**2.38**	ND	**2.03**	**2.43**	ND	ND	ND	ND	ND	1.16
Sodium	NAV	772	100	117	107	158	131	186	123	116	150	220	145
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**98.8**	**43.4**	**74.7**	**46.7**	**64.4**	**48.2**	**61.2**	**75.1**	**53.1**	**105**	**41.3**	**77.1**
Zinc	8.5	**159**	**71.9**	**180**	**39.3**	**143**	**204**	**116**	**622**	**110**	**281**	**55.9**	**424**

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Lab Sample ID		4394.02	4394.04	4394.06	4394.08	4394.10	4394.12	4394.14	4394.16	4394.18	4394.20	4394.22	4394.26
Field Sample Location	ESC (mg/kg)	B104 (6-12")	B105 (6-12")	B106 (6-12")	B107 (6-12")	B108 (6-12")	B109 (6-12")	B110 (6-12")	B111 (6-12")	B112 (6-12")	B113 (6-12")	B114 (6-12")	B115 (6-12")
Sample Date		4/5/1999	4/5/1999	4/5/1999	4/5/1999	4/5/1999	4/5/1999	4/5/1999	4/5/1999	4/5/1999	4/5/1999	4/5/1999	4/5/1999
Semi-Volatiles (mg/kg)													
Aniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	NAV	ND	ND	ND	0.95 J	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.42 J
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.18 J
Diethylphthalate	100	ND	ND	0.14 J	ND	ND	0.29 J	ND	ND	ND	ND	ND	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.38 J
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.199	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	0.15 J	ND	0.4 J	0.41 J	0.61 J	0.18 J	0.21 J	0.21 J	ND	3.9
Anthracene	1480	ND	ND	ND	ND	ND	ND	0.18 J	ND	ND	ND	ND	1.2 J
Di-n-butylphthalate	200	ND	ND	21	0.90 J	0.30 J	0.24 J	0.22 J	0.61 J	0.31 J	0.28 J	0.66 J	0.94 J
Fluoranthene	122	ND	ND	0.33 J	ND	0.59 J	0.65 J	1.5	0.38 J	0.57 J	0.42 J	0.23 J	5.4
Benzidine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	78.5	ND	ND	0.31 J	ND	0.55 J	0.55 J	1.3	0.33 J	0.59 J	0.38 J	0.21 J	3.6
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	ND	0.17 J	ND	0.28 J	0.32 J	.76 J	0.17 J	0.27 J	0.19 J	0.12 J	1.6
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	ND	ND	0.32 J	0.13 J	0.56 J	0.6 J	1.3	0.37 J	0.7 J	0.44 J	0.26 J	2.8
bis(2-Ethylhexyl)phthalate	0.925	ND	ND	0.14 J	ND	0.21 J	0.15 J	0.19 J	0.12 J	ND	0.18 J	ND	0.5 J
Di-n-octylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	59.8	ND	ND	0.19 J	ND	0.29 J	0.32 J	0.88 J	0.25 J	0.38 J	0.26 J	0.14 J	2.1
Benzo[k]fluoranthene	148	ND	ND	0.17 J	ND	0.28 J	0.29 J	0.79 J	0.22 J	0.32 J	0.23 J	0.12 J	1.6
Benzo[a]pyrene	1.52	ND	ND	0.2 J	ND	0.30 J	0.33 J	0.89 J	0.18 J	0.24 J	0.23 J	0.12 J	**1.9**
Indeno[1,2,3-cd]pyrene	109	ND	ND	0.14 J	ND	0.18 J	0.22 J	0.42 J	ND	0.16 J	0.19 J	ND	0.78 J
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.36 J
Benzo[g,h,I]perylene	119	ND	ND	0.15 J	ND	0.19 J	0.24 J	0.41 J	ND	0.17 J	0.21 J	ND	0.7 J

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Lab Sample ID		4394.02	4394.04	4394.06	4394.08	4394.10	4394.12	4394.14	4394.16	4394.18	4394.20	4394.22	4394.26
Field Sample Location	ESC (mg/kg)	B104 (6-12")	B105 (6-12")	B106 (6-12")	B107 (6-12")	B108 (6-12")	B109 (6-12")	B110 (6-12")	B111 (6-12")	B112 (6-12")	B113 (6-12")	B114 (6-12")	B115 (6-12")
Sample Date		4/5/1999	4/5/1999	4/5/1999	4/5/1999	4/5/1999	4/5/1999	4/5/1999	4/5/1999	4/5/1999	4/5/1999	4/5/1999	4/5/1999
Pesticides/PCBs (mg/kg)													
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.596	0.013	0.074	0.129	ND	0.171	0.04	0.031	0.04	0.379	0.076	0.053	0.069
Dieldrin	0.0049	ND	**0.02**	**0.014**	ND	ND	ND	**0.017**	ND	**0.034**	ND	**0.019**	**0.018**
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.758	ND	0.054	0.071	ND	0.156	0.046	0.089	0.043	0.213	0.089	0.039	0.035
4,4'-DDT	0.0035	**0.066**	**0.191**	**0.169**	**0.029**	**0.244**	**0.078**	**0.052**	**0.036**	**0.12**	ND	**0.11**	**0.039**
gamma-Chlordane	0.224	ND	0.04	0.024	0.013	0.026	0.027	0.018	ND	0.025	0.016	0.018	ND
alpha-Chlordane	0.224	ND	0.035	0.021	ND	0.025	0.021	ND	ND	0.022	ND	0.014	ND
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)													
Aluminum	50	**15800**	**18500**	**12500**	**11700**	**11300**	**7480**	**9860**	**15100**	**8570**	**13400**	**11300**	**9530**
Antimony	0.27	**16.4**	ND	ND	**2.37**	ND	ND	**1.04**	ND	**0.496**	ND	ND	**0.865**
Arsenic	9.9	**11.4**	**15.4**	7.56	**10.4**	7.67	4.87	**12.3**	**12.4**	8.65	**16.0**	7.84	**12.6**
Barium	283	135	123	79.7	48.7	59.6	35.1	67.2	64.4	32.3	61.2	36.0	82.9
Beryllium	10	0.971	1.70	0.855	0.807	0.896	0.569	0.591	1.40	0.789	1.45	0.734	0.561
Cadmium	0.36	**0.589**	ND	0.316	**0.761**	ND	ND	**0.814**	ND	0.156	ND	ND	**0.584**
Calcium	NAV	17200	1560	1650	1940	1860	2660	3590	1360	810	1210	618	4530
Chromium	0.4	**99.4**	**208**	**81.1**	**92.3**	**80.7**	**115**	**60.4**	**157**	**74.9**	**172**	**77.0**	**114**
Cobalt	13	6.85	1.96	2.31	2.25	2.47	2.45	2.83	1.52	2.68	1.73	2.00	6.71
Copper	28	**88.3**	**33.5**	15.1	**35.4**	**34.4**	15.2	24.6	25.6	**31.3**	21.3	9.57	**50.6**
Iron	NAV	29000	52200	22900	26000	22700	17600	33000	39900	24100	43700	24100	89300
Lead	11	**1010**	**146**	**65.7**	**158**	**58.2**	**293**	**266**	**44.1**	**50.9**	**47.7**	**33.9**	**170**
Magnesium	NAV	3420	6690	2300	2950	2490	1920	1980	5270	2180	5620	2370	1790
Manganese	220	141	40.4	73.1	74.6	49.9	63.9	86.9	27.4	66.3	33.2	57.3	**779**
Mercury	0.00051	**0.826**	**0.259**	**0.195**	**0.098**	**0.145**	**0.103**	**0.192**	**0.128**	**4.776**	**0.171**	**0.132**	**0.361**
Nickel	30	13.1	8.59	10.1	8.26	8.22	6.19	10.6	6.28	7.24	7.13	5.56	21.3
Potassium	NAV	8110	18400	5470	6010	4950	3730	4490	13700	5650	13800	5870	3900
Selenium	0.21	**1.09**	**1.10**	ND	ND	ND	ND	**0.772**	**1.20**	ND	**1.14**	ND	**0.841**
Silver	2	**27.0**	**6.50**	**4.54**	1.19	**5.28**	1.58	ND	ND	ND	ND	ND	**6.58**
Sodium	NAV	7940	3170	1570	932	1020	602	647	507	339	581	265	310
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**62.0**	**96.0**	**49.0**	**57.2**	**45.2**	**34.4**	**45.6**	**71.7**	**47.9**	**69.7**	**54.2**	**36.9**
Zinc	8.5	**1010**	**133**	**108**	**166**	**56.1**	**51.5**	**185**	**58.6**	**71.4**	**59.2**	**37.3**	**449**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4394.28 B116 (6-12") 4/5/1999	4394.30 B117 (6-12") 4/5/1999	4394.32 B118 (6-12") 4/5/1999	4394.34 B119 (6-12") 4/5/1999	4394.36 B120 (6-12") 4/5/1999	4394.38 B121 (6-12") 4/5/1999	4394.40 B122 (6-12") 4/5/1999	4394.42 B123 (6-12") 4/5/1999	4394.44 B124 (6-12") 4/5/1999	4401.02 B125 (6-12") 4/8/1999	4401.04 B126 (6-12") 4/8/1999	4401.06 B127 (6-12") 4/8/1999
Semi-Volatiles (mg/kg)													
Aniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.199	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	0.15 J	ND	0.22 J	0.40 J	0.6 J	ND	ND	ND	ND	0.26 J	0.19 J	0.3 J
Anthracene	1480	ND	ND	ND	0.12 J	0.15 J	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.41 J	0.49 J	0.68 J	1.4	0.49 J	1.1 J	0.62 J	0.55 J	ND	0.62 J	0.36 J	0.72 J
Fluoranthene	122	0.28 J	0.24 J	0.39 J	1.0 J	0.84 J	0.15 J	ND	ND	ND	0.52 J	0.39 J	0.62 J
Benzidine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	78.5	0.24 J	0.43 J	0.39 J	0.92 J	0.88 J	0.17 J	ND	0.18 J	ND	0.47 J	0.35 J	0.49 J
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	0.13 J	0.16 J	0.20 J	0.51 J	0.45 J	ND	ND	ND	ND	0.27 J	0.19 J	0.28 J
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	0.26 J	0.34 J	0.41 J	0.96 J	0.74 J	0.25 J	ND	0.19 J	ND	0.53 J	0.4 J	0.46 J
bis(2-Ethylhexyl)phthalate	0.925	0.14 J	0.29 J	0.17 J	0.67 J	0.65 J	0.19 J	0.13 J	ND	ND	ND	ND	ND
Di-n-octylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	59.8	0.16 J	ND	0.2 J	0.59 J	0.48 J	0.17 J	ND	ND	ND	0.27 J	0.23 J	0.21 J
Benzo[k]fluoranthene	148	0.12 J	ND	0.21 J	0.55 J	0.47 J	0.12 J	ND	ND	ND	0.25 J	0.22 J	0.26 J
Benzo[a]pyrene	1.52	0.14 J	ND	0.23 J	0.52 J	0.42 J	0.17 J	ND	ND	ND	0.26 J	0.22 J	0.27 J
Indeno[1,2,3-cd]pyrene	109	ND	ND	0.15 J	0.24 J	ND	ND	ND	ND	ND	0.15 J	0.18 J	0.16 J
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,I]perylene	119	0.12 J	ND	0.17 J	0.23 J	ND	ND	ND	ND	ND	0.16 J	0.19 J	0.18 J

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Lab Sample ID	ESC (mg/kg)	4394.28	4394.30	4394.32	4394.34	4394.36	4394.38	4394.40	4394.42	4394.44	4401.02	4401.04	4401.06
Field Sample Location		B116 (6-12")	B117 (6-12")	B118 (6-12")	B119 (6-12")	B120 (6-12")	B121 (6-12")	B122 (6-12")	B123 (6-12")	B124 (6-12")	B125 (6-12")	B126 (6-12")	B127 (6-12")
Sample Date		4/5/1999	4/5/1999	4/5/1999	4/5/1999	4/5/1999	4/5/1999	4/5/1999	4/5/1999	4/5/1999	4/8/1999	4/8/1999	4/8/1999
Pesticides/PCBs (mg/kg)													
gamma-BHC	0.005	ND	**0.013**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	**1.267**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	**0.482**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.596	0.032	0.071	0.197	0.044	ND	0.03	0.022	0.036	0.027	0.079	0.119	0.042
Dieldrin	0.0049	ND	ND	ND	ND	ND	**0.012**	ND	ND	ND	ND	ND	ND
Endrin	0.0101	ND	**0.29**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.758	0.015	0.156	0.056	0.080	ND	0.026	0.022	0.059	0.02	0.031	0.05	ND
4,4'-DDT	0.0035	**0.048**	**1.025**	**0.257**	**0.181**	ND	ND	**0.074**	**0.075**	**0.062**	**0.162**	**0.194**	**0.029**
gamma-Chlordane	0.224	ND	**7.144**	0.021	0.028	ND	ND	ND	ND	ND	ND	0.019	ND
alpha-Chlordane	0.224	ND	**7.929**	0.02	0.018	ND	ND	ND	ND	ND	ND	0.019	ND
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	**3.406**	ND	ND	ND	**0.665**	ND	ND	ND
Metals (mg/kg)													
Aluminum	50	**13900**	**14300**	**6990**	**11600**	**6710**	**11600**	**13300**	**15000**	**10100**	**12200**	**8630**	**8800**
Antimony	0.27	ND	**1.80**	ND	**1.08**	**0.821**	ND	ND	ND	**3.26**	ND	ND	ND
Arsenic	9.9	**11.3**	**12.5**	9.08	**13.9**	7.83	9.84	7.08	8.79	8.04	9.27	7.91	6.24
Barium	283	51.4	78.1	38.9	50.6	11.2	56.2	55.0	77.2	51.4	40.3	27.2	13.7
Beryllium	10	1.26	1.54	0.737	0.948	0.529	1.08	1.34	1.23	0.62	0.969	0.78	0.482
Cadmium	0.36	**0.641**	**1.68**	ND	0.255	**0.935**	ND	ND	ND	**1.67**	0.155	ND	ND
Calcium	NAV	2780	10400	1170	1600	1530	2810	2380	2930	5090	1080	668	479
Chromium	0.4	**123**	**95.7**	**66.4**	**115**	**76.7**	**77.8**	**75.7**	**78.1**	**50.4**	**88.6**	**88.3**	**62.9**
Cobalt	13	3.39	2.58	1.71	2.13	1.80	2.79	3.80	3.03	2.75	2.96	1.24	1.01
Copper	28	20.6	**28.7**	10.9	**70.4**	19.9	**45.4**	12.0	11.1	10.7	14.2	16.6	0.718
Iron	NAV	34700	27800	18900	47000	26600	32900	27900	34000	24600	27400	25700	18700
Lead	11	**56.6**	**77.6**	**43.8**	**126**	**23.7**	**159**	**96.8**	**270**	**85.5**	**125**	**56.5**	6.93
Magnesium	NAV	4020	7320	1860	3650	1400	2930	3250	3530	1430	2330	2490	1130
Manganese	220	85.6	136	21.6	76.4	41.9	54.0	183	101	82.3	98.4	22.5	26.2
Mercury	0.00051	**0.078**	**0.13**	**0.13**	**0.209**	**0.025**	**0.121**	**0.089**	**0.132**	**0.099**	**0.189**	**0.066**	ND
Nickel	30	9.49	9.24	6.05	9.79	8.70	7.69	11.3	10.8	8.04	8.33	4.79	3.68
Potassium	NAV	9450	7530	4860	8570	4520	7210	6770	6770	2080	5660	6140	3320
Selenium	0.21	**0.943**	ND	ND	**0.986**	ND	**0.72**	ND	ND	ND	**0.802**	**0.759**	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	311	346	178	297	182	180	172	197	267	130	142	77.9
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**60.3**	**50.0**	**34.9**	**55.7**	**100**	**44.7**	**47.0**	**44.9**	**52.4**	**51.6**	**44.4**	**85.3**
Zinc	8.5	**78.4**	**146**	**63.4**	**356**	**68.6**	**139**	**231**	**252**	**137**	**64.1**	**37.1**	**20.2**

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Lab Sample ID	ESC (mg/kg)	4401.08	4401.10	4401.12	4401.14	4401.16	4401.18	4401.20	4401.22	4401.24	4401.26	4401.28	4401.30
Field Sample Location		B128 (6-12")	B129 (6-12")	B130 (6-12")	B131 (6-12")	B132 (6-12")	B133 (6-12")	B134 (6-12")	B135 (6-12")	B136 (6-12")	B137 (6-12")	B138 (6-12")	B139 (6-12")
Sample Date		4/8/1999	4/8/1999	4/8/1999	4/8/1999	4/8/1999	4/8/1999	4/8/1999	4/8/1999	4/8/1999	4/8/1999	4/8/1999	4/8/1999
Semi-Volatiles (mg/kg)													
Aniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.40 J**
4-Chloroaniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	0.13 J	ND	ND	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.199	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	0.18 J	0.24 J	ND	ND	ND	ND	ND	0.21 J	ND	ND	0.43 J	0.36 J
Anthracene	1480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.13 J	0.48 J	0.43 J	ND	0.18 J	0.15 J	0.63 J	ND	0.71 J	ND	0.33 J	0.42 J
Fluoranthene	122	0.32 J	0.56 J	ND	ND	ND	ND	0.24 J	0.28 J	ND	ND	0.80 J	0.41 J
Benzidine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	78.5	0.33 J	0.48 J	ND	ND	ND	ND	0.22 J	0.38 J	ND	ND	0.80 J	0.55 J
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	0.16 J	0.25 J	ND	ND	ND	ND	ND	0.17 J	ND	ND	0.47 J	0.22 J
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	0.38 J	0.61 J	ND	ND	ND	ND	0.26 J	0.34 J	ND	ND	0.72 J	0.46 J
bis(2-Ethylhexyl)phthalate	0.925	0.20 J	0.24 J	ND	ND	0.22 J	ND	ND	ND	0.14 J	ND	0.13 J	ND
Di-n-octylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	59.8	0.19 J	0.34 J	ND	ND	ND	ND	0.14 J	0.17 J	ND	ND	0.41 J	0.16 J
Benzo[k]fluoranthene	148	0.19 J	0.30 J	ND	ND	ND	ND	0.12 J	0.18 J	ND	ND	0.40 J	0.19 J
Benzo[a]pyrene	1.52	0.17 J	0.28 J	ND	ND	ND	ND	0.13 J	0.18 J	ND	ND	0.43 J	0.18 J
Indeno[1,2,3-cd]pyrene	109	0.12 J	0.23 J	ND	ND	ND	ND	ND	ND	ND	ND	0.15 J	0.17 J
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,I]perylene	119	0.14 J	0.24 J	ND	ND	ND	ND	ND	ND	ND	ND	0.17 J	0.21 J

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Lab Sample ID		4401.08	4401.10	4401.12	4401.14	4401.16	4401.18	4401.20	4401.22	4401.24	4401.26	4401.28	4401.30
Field Sample Location	ESC (mg/kg)	B128 (6-12")	B129 (6-12")	B130 (6-12")	B131 (6-12")	B132 (6-12")	B133 (6-12")	B134 (6-12")	B135 (6-12")	B136 (6-12")	B137 (6-12")	B138 (6-12")	B139 (6-12")
Sample Date		4/8/1999	4/8/1999	4/8/1999	4/8/1999	4/8/1999	4/8/1999	4/8/1999	4/8/1999	4/8/1999	4/8/1999	4/8/1999	4/8/1999
Pesticides/PCBs (mg/kg)													
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.596	0.275	0.071	0.093	0.041	0.011	0.017	0.078	**0.697**	0.010	0.402	0.061	0.113
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.758	0.184	0.096	0.038	0.025	ND	ND	0.060	**3.857**	ND	**1.179**	0.067	0.194
4,4'-DDT	0.0035	**0.394**	**0.040**	ND	ND	ND	**0.025**	**0.091**	**1.261**	ND	**1.381**	**0.027**	**0.045**
gamma-Chlordane	0.224	0.027	0.031	ND	0.089	ND	ND	0.018	**0.296**	ND	0.075	ND	ND
alpha-Chlordane	0.224	0.022	0.016	ND	0.087	ND	ND	0.014	0.200	ND	0.055	ND	ND
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)													
Aluminum	50	**7380**	**11900**	**16100**	**12600**	**8370**	**14300**	**12100**	**8960**	**5180**	**11800**	**5850**	**7720**
Antimony	0.27	ND	ND	**0.804**	ND	ND	ND	ND	**46.9**	ND	**23.5**	**0.464**	**2.22**
Arsenic	9.9	7.68	**12.6**	**21.7**	**14.0**	4.56	8.66	**11.1**	**10.1**	4.38	**15.7**	8.31	**11.3**
Barium	283	47.2	53.0	41.4	50.6	28.3	19.0	60.5	**783**	11.2	208	27.8	46.9
Beryllium	10	0.724	1.21	1.24	0.861	0.699	1.62	1.19	1.02	0.51	1.26	0.579	0.75
Cadmium	0.36	ND	ND	ND	**1.78**	ND	ND	ND	**2.67**	ND	**0.499**	0.207	ND
Calcium	NAV	811	1570	2200	1700	334	111	829	8310	589	3470	1110	686
Chromium	0.4	**66.0**	**132**	**109**	**76.0**	**69.1**	**141**	**137**	**84.8**	**45.2**	**127**	**67.0**	**87.0**
Cobalt	13	2.11	2.05	6.01	2.42	1.25	1.46	1.50	5.71	0.938	3.93	1.15	1.20
Copper	28	10.8	25.0	5.07	4.94	ND	4.13	18.8	**81.2**	ND	**36.8**	18.1	24.6
Iron	NAV	20100	36400	84400	19700	15200	43800	34700	25100	12500	43100	23500	27500
Lead	11	**43.1**	**54.7**	**58.4**	**128**	6.89	5.61	**56.8**	**4000**	4.94	**808**	**33.6**	**91.5**
Magnesium	NAV	1830	4070	2220	2170	1690	4630	3910	2950	964	3920	1310	1980
Manganese	220	40.9	44.9	**233**	81.6	13.8	20.3	23.7	**255**	13.7	143	25.5	20.1
Mercury	0.00051	**0.105**	**0.122**	**0.064**	**0.085**	ND	ND	**0.105**	**0.37**	ND	**0.371**	**0.068**	**0.149**
Nickel	30	6.01	7.11	14.4	6.47	4.39	5.85	6.50	22.4	4.83	10.9	4.59	5.57
Potassium	NAV	4640	10400	4880	4580	4380	12900	9980	4940	2680	8880	3380	5320
Selenium	0.21	ND	**0.924**	**1.09**	ND	ND	ND	**1.24**	**1.26**	ND	**1.86**	ND	**1.13**
Silver	2	**5.91**	1.84	ND	ND	ND	ND	**6.67**	ND	ND	ND	0.978	**2.89**
Sodium	NAV	74.1	248	216	139	197	99.5	178	198	109	207	79.1	216
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**35.1**	**49.7**	**165**	**41.6**	**37.1**	**70.8**	**43.8**	**42.9**	**23.6**	**52.3**	**46.2**	**36.4**
Zinc	8.5	**52.8**	**71.5**	**96.1**	**54.2**	**27.0**	**47.8**	**67.7**	**1020**	**20.3**	**478**	**94.0**	**46.9**

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Lab Sample ID	ESC (mg/kg)	4401.32	4401.34	4401.36	4401.42	4401.44	4401.46	4405.02	4405.04	4405.06	4405.08	4405.10	4405.12
Field Sample Location		B140 (6-12")	B141 (6-12")	B142 (6-12")	B143 (6-12")	B144 (6-12")	B145 (6-12")	B146 (6-12")	B147 (6-12")	B148 (6-12")	B149 (6-12")	B150 (6-12")	B151 (6-12")
Sample Date		4/8/1999	4/8/1999	4/8/1999	4/8/1999	4/8/1999	4/8/1999	4/9/1999	4/9/1999	4/9/1999	4/9/1999	4/9/1999	4/9/1999
Semi-Volatiles (mg/kg)													
Aniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	8.8 J	ND	ND	13 J	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.01	ND	ND	ND	ND	**8.9 J**	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	**720**	ND	ND	**950**	ND	ND	ND	**0.13 J**	ND	ND	**0.33 J**
4-Chloroaniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	ND	**230**	ND	ND	**380**	ND	ND	ND	ND	ND	ND	0.13 J
Acenaphthylene	682	0.27 J	ND	ND	ND	6 J	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	**1300**	ND	ND	**1700**	5.8 J	ND	ND	0.35 J	ND	ND	0.79 J
Dibenzofuran	NAV	ND	600	ND	ND	910	ND	ND	ND	0.12J	ND	ND	0.38 J
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	122	ND	**970**	ND	ND	**1500**	ND	ND	ND	0.24 J	ND	ND	0.67 J
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.199	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	0.44 J	**4900**	0.51 J	ND	**8000**	37 J	ND	0.75 J	2.6	1.2	0.34 J	7.4
Anthracene	1480	0.14 J	**2000**	0.13 J	ND	**4000**	9.8 J	ND	0.18 J	0.60 J	ND	ND	1.4
Di-n-butylphthalate	200	0.27 J	ND	0.26 J	0.22 J	ND	ND	0.63 J	0.59 J	0.47 J	0.80 J	0.22 J	0.90 J
Fluoranthene	122	0.88 J	**4500**	0.52 J	ND	**7200**	39 J	0.14 J	1.2 J	4.0	2.1	0.48 J	7.9
Benzidine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	78.5	1.2 J	**2900**	0.49 J	ND	**7400**	47 J	0.21 J	1.6	3.9	2.0	0.52 J	8.6
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	0.57 J	**1900**	0.25 J	ND	**2500 J**	**22 J**	ND	0.70 J	1.7	0.66 J	0.26 J	2.9
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	1.1 J	**2400**	0.41 J	0.12 J	**3800 J**	**31 J**	0.19 J	1.1 J	2.8	1.4	0.45 J	**4.8**
bis(2-Ethylhexyl)phthalate	0.925	0.16 J	ND	ND	ND	ND	ND	ND	0.36 J	ND	0.14 J	0.26 J	ND
Di-n-octylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	59.8	0.57 J	**2500**	0.27 J	ND	**5400**	15 J	ND	0.79 J	1.4	0.52 J	0.18J	2.6
Benzo[k]fluoranthene	148	0.76 J	**2200**	0.20 J	ND	**3100**	18 J	ND	0.79 J	1.3	0.65 J	0.25 J	2.7
Benzo[a]pyrene	1.52	0.59 J	**2500**	0.23 J	ND	**4500**	**18 J**	0.12 J	0.75 J	**1.6**	0.49 J	0.23 J	**2.7**
Indeno[1,2,3-cd]pyrene	109	ND	**670**	ND	ND	**1200**	8.2 J	ND	ND	0.57 J	0.30 J	0.13 J	0.80 J
Dibenz[a,h]anthracene	18.4	ND	**410**	ND	ND	**850**	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,I]perylene	119	ND	**520**	ND	ND	**940**	ND	0.16 J	ND	0.53 J	0.33 J	0.15 J	0.77 J

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4401.32 B140 (6-12") 4/8/1999	4401.34 B141 (6-12") 4/8/1999	4401.36 B142 (6-12") 4/8/1999	4401.42 B143 (6-12") 4/8/1999	4401.44 B144 (6-12") 4/8/1999	4401.46 B145 (6-12") 4/8/1999	4405.02 B146 (6-12") 4/9/1999	4405.04 B147 (6-12") 4/9/1999	4405.06 B148 (6-12") 4/9/1999	4405.08 B149 (6-12") 4/9/1999	4405.10 B150 (6-12") 4/9/1999	4405.12 B151 (6-12") 4/9/1999
Pesticides/PCBs (mg/kg)													
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.596	0.064	ND	0.061	0.020	0.287	0.032	0.052	0.481	0.039	0.273	0.202	0.039
Dieldrin	0.0049	ND	ND	ND	**0.017**	ND	ND	ND	ND	**0.025**	**0.019**	**0.015**	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.758	ND	ND	0.066	0.021	ND	0.054	0.031	0.616	0.035	0.267	0.135	0.091
4,4'-DDT	0.0035	**0.341**	ND	**0.056**	ND	ND	**0.102**	**0.136**	**0.343**	**0.097**	**0.219**	**0.390**	**0.038**
gamma-Chlordane	0.224	ND	ND	0.038	0.044	ND	0.018	ND	ND	0.018	0.042	0.029	0.018
alpha-Chlordane	0.224	ND	ND	0.027	0.038	ND	0.024	ND	ND	0.018	0.046	0.036	0.016
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	**1.416**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)													
Aluminum	50	**8850**	**18900**	**13100**	**5890**	**9190**	**5200**	**13700**	**8750**	**14000**	**9920**	**9490**	**7670**
Antimony	0.27	**5.93**	**1.07**	ND	ND	ND	ND	ND	**62.3**	**0.86**	ND	ND	**0.572**
Arsenic	9.9	9.38	7.03	9.69	6.27	8.11	5.03	8.30	7.49	**13.4**	**13.2**	6.97	2.21
Barium	283	58.5	**984**	74.6	17.9	37.3	13.9	53.8	112	39.8	51.5	43.1	50.3
Beryllium	10	0.706	**2.40**	0.815	0.573	0.677	0.405	1.16	0.672	0.903	0.918	0.766	0.325
Cadmium	0.36	0.131	**3.27**	ND	ND	ND	ND	ND	**0.484**	ND	**0.371**	ND	ND
Calcium	NAV	2730	57700	5320	522	949	536	21400	4210	2460	1270	1340	50500
Chromium	0.4	**62.6**	**24.9**	**81.3**	**53.1**	**74.0**	**65.0**	**325**	**107**	**81.2**	**78.8**	**71.9**	**23.4**
Cobalt	13	3.12	3.92	1.62	1.24	1.86	0.758	5.64	4.07	2.22	2.54	2.22	2.29
Copper	28	19.6	25.5	4.59	8.95	6.96	1.36	**692**	**129**	11.1	23.0	11.4	15.9
Iron	NAV	25300	5060	22100	15900	19900	15900	25600	19900	30700	27700	22100	9540
Lead	11	**521**	**64.3**	**63.3**	**15.1**	**35.3**	**12.5**	**35.8**	**645**	**65.7**	**59.9**	**41.7**	**12.1**
Magnesium	NAV	2190	17100	2930	1190	1670	969	4170	2000	3210	2150	1960	2660
Manganese	220	74.1	**1910**	42.2	18.5	49.7	14.5	94.1	78.4	46.2	55.7	53.2	81.1
Mercury	0.00051	**0.211**	**0.078**	**0.059**	**0.034**	**0.259**	**0.058**	**0.11**	**0.488**	**0.082**	**0.229**	**0.144**	**0.065**
Nickel	30	6.99	7.61	5.53	5.91	5.32	3.02	15.6	10.9	6.44	8.36	7.53	4.30
Potassium	NAV	4210	2060	5210	2980	4250	2830	5120	4180	7050	5240	4810	1660
Selenium	0.21	**0.879**	**2.36**	**0.695**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	2	ND	ND	ND	ND	1.26	ND	ND	1.45	ND	ND	**2.06**	ND
Sodium	NAV	103	16700	108	96.7	248	79.3	231	192	177	157	146	123
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**43.8**	**18.4**	**46.5**	**33.0**	**59.0**	**70.9**	**63.5**	**51.5**	**52.2**	**47.9**	**42.8**	**15.3**
Zinc	8.5	**509**	**385**	**59.3**	**33.9**	**46.4**	**24.9**	**432**	**412**	**58.4**	**90.0**	**60.3**	**41.3**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4405.14 B152 (6-12") 4/9/1999	4405.16 B153 (6-12") 4/9/1999	4405.18 B154 (6-12") 4/9/1999	4405.20 B155 (6-12") 4/9/1999	4405.22 B156 (6-12") 4/9/1999	4405.24 B157 (6-12") 4/9/1999	4413.02 B158 (6-12") 4/13/1999	4413.04 B159 (6-12") 4/13/1999	4413.06 B160 (6-12") 4/13/1999	4413.08 B161 (6-12") 4/13/1999	4413.10 B162 (6-12") 4/13/1999	4413.12 B163 (6-12") 4/13/1999
Semi-Volatiles (mg/kg)													
Aniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	NAV	ND	ND	ND	ND	ND	0.73 J	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	0.21 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	0.13 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	122	ND	ND	0.30 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.199	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	0.59 J	0.17 J	1.4	0.68 J	0.39 J	0.25 J	ND	0.35 J	0.22 J	ND	ND	ND
Anthracene	1480	0.15J	ND	0.38 J	0.16 J	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.69 J	0.46 J	0.60 J	0.39 J	0.44 J	1.3	0.24 J	0.95 J	0.54 J	0.29 J	0.72 J	0.41 J
Fluoranthene	122	0.82 J	0.30 J	2.1	1.1 J	0.75 J	0.60 J	ND	0.63 J	0.41 J	0.35 J	0.29 J	0.35 J
Benzidine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	78.5	1.2	0.32 J	2.7	1.2	0.84 J	0.54 J	0.13 J	0.77 J	0.45 J	0.32 J	0.26 J	0.28 J
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	0.45 J	0.19 J	0.48 J	0.53 J	0.41 J	0.33 J	ND	0.40 J	0.21 J	0.18 J	0.16 J	0.20 J
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	0.70 J	0.31 J	0.80 J	0.78 J	0.65 J	0.59 J	ND	0.74 J	0.40 J	0.34 J	0.29 J	0.34 J
bis(2-Ethylhexyl)phthalate	0.925	0.31 J	ND	ND	ND	ND	0.19 J	0.13 J	0.13 J	0.17 J	ND	ND	ND
Di-n-octylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	59.8	0.50 J	0.14 J	0.37 J	0.45 J	0.45 J	0.33 J	ND	0.35 J	0.20 J	0.20 J	0.15 J	0.18 J
Benzo[k]fluoranthene	148	0.52 J	0.16 J	0.41 J	0.50 J	0.42 J	0.37 J	ND	0.36 J	0.20 J	0.18 J	0.15 J	0.19 J
Benzo[a]pyrene	1.52	0.50 J	0.16 J	0.39 J	0.47 J	0.45 J	0.38 J	ND	0.39 J	0.20 J	0.19 J	0.17 J	0.20 J
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	ND	ND	0.26 J	ND	0.28 J	0.14 J	0.16 J	ND	0.14 J
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,I]perylene	119	ND	0.12 J	ND	ND	ND	0.26 J	ND	0.33 J	0.17 J	0.17 J	ND	ND

See Notes at End of Table

Table A-5
Soil Sampling Results
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4405.14 B152 (6-12") 4/9/1999	4405.16 B153 (6-12") 4/9/1999	4405.18 B154 (6-12") 4/9/1999	4405.20 B155 (6-12") 4/9/1999	4405.22 B156 (6-12") 4/9/1999	4405.24 B157 (6-12") 4/9/1999	4413.02 B158 (6-12") 4/13/1999	4413.04 B159 (6-12") 4/13/1999	4413.06 B160 (6-12") 4/13/1999	4413.08 B161 (6-12") 4/13/1999	4413.10 B162 (6-12") 4/13/1999	4413.12 B163 (6-12") 4/13/1999
Pesticides/PCBs (mg/kg)													
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.596	0.012	ND	0.077	0.063	0.057	0.137	ND	0.077	0.034	0.025	0.032	0.033
Dieldrin	0.0049	**0.016**	ND	**0.014**	**0.016**	ND	ND	ND	**0.021**	ND	ND	**0.018**	**0.055**
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.758	ND	ND	0.181	0.028	0.032	0.153	0.099	0.147	0.082	0.031	0.049	0.085
4,4'-DDT	0.0035	**0.040**	ND	**0.028**	**0.154**	**0.193**	**0.057**	ND	**0.073**	ND	**0.048**	ND	ND
gamma-Chlordane	0.224	ND	ND	0.014	0.012	ND	0.083	ND	0.088	0.015	ND	0.051	0.014
alpha-Chlordane	0.224	ND	ND	0.013	0.013	ND	0.068	ND	0.046	ND	ND	0.032	ND
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	**4.634**	**6.71**	ND	ND	ND	ND
Aroclor 1260	0.371	ND	**20.06**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)													
Aluminum	50	**8010**	**13800**	**11900**	**5400**	**15400**	**10400**	**12100**	**13400**	**15200**	**15600**	**13900**	**10200**
Antimony	0.27	ND	ND	ND	ND	ND	ND	**1.12**	**1.16**	**0.668**	ND	ND	**0.546**
Arsenic	9.9	2.74	**10.4**	**11.2**	4.10	**11.8**	**14.3**	**15.3**	**15.4**	**16.0**	9.79	**11.8**	**16.7**
Barium	283	17.1	57.5	89.0	12.8	56.9	87.4	87.7	50.2	86.1	16.9	88.4	129
Beryllium	10	0.261	0.895	1.86	0.413	0.985	1.31	1.06	1.35	1.44	2.09	1.97	1.26
Cadmium	0.36	0.152	ND	**1.69**	ND	**0.428**	ND	0.225	**1.24**	**0.655**	ND	ND	**0.995**
Calcium	NAV	23500	2380	6570	312	1460	2720	2770	1290	1480	175	1720	1710
Chromium	0.4	**28.1**	**88.6**	**196**	**49.5**	**87.8**	**136**	**116**	**146**	**177**	**160**	**204**	**117**
Cobalt	13	4.00	2.46	1.47	1.04	3.25	2.26	2.20	2.38	1.92	2.73	0.874	1.23
Copper	28	16.8	19.7	5.33	ND	21.0	22.1	**44.7**	**49.3**	**52.9**	18.1	17.5	**33.9**
Iron	NAV	13600	24000	42800	13300	27800	33400	31000	43600	48700	56900	45600	28000
Lead	11	9.11	**47.8**	**12.8**	**15.5**	**93.3**	**31.8**	**111**	**75.2**	**95.0**	10.9	**15.5**	**38.9**
Magnesium	NAV	5280	3270	6360	1130	2900	4210	3380	4510	5420	7450	7090	3710
Manganese	220	95.1	62.4	34.4	24.5	95.5	24.9	148	43.5	67.7	18.9	23.1	29.7
Mercury	0.00051	**0.062**	**0.144**	**0.107**	**0.046**	**0.116**	**0.461**	**1.17**	**0.355**	**0.463**	**0.088**	**0.378**	**0.859**
Nickel	30	14.1	7.70	8.06	3.28	12.0	10.8	8.57	8.17	10.8	9.52	7.56	9.04
Potassium	NAV	1620	6560	16900	3080	6730	10900	7150	10400	13600	20300	17600	9440
Selenium	0.21	ND	**0.759**	**1.32**	ND	**0.841**	**1.56**	**0.813**	**0.886**	**1.36**	ND	**1.60**	**2.62**
Silver	2	ND	ND	ND	ND	ND	**5.80**	**3.64**	**2.40**	**2.58**	ND	**4.23**	ND
Sodium	NAV	365	258	357	103	228	197	158	305	283	129	119	124
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**92.8**	**52.8**	**75.6**	**37.9**	**73.1**	**51.4**	**55.9**	**63.8**	**67.5**	**62.0**	**63.5**	**35.8**
Zinc	8.5	**96.5**	**59.5**	**64.9**	**255**	**205**	**169**	**152**	**98.5**	**117**	**76.0**	**88.0**	**140**

See Notes at End of Table

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4413.14 B164 (6-12") 4/13/1999	4413.16 B165 (6-12") 4/13/1999	4413.18 B166 (6-12") 4/13/1999	4413.20 B167 (6-12") 4/13/1999	4413.22 B168 (6-12") 4/13/1999	4413.24 B169 (6-12") 4/13/1999	4413.26 B170 (6-12") 4/13/1999	4469.02 B171 (6-12") 5/7/1999	4469.04 B172 (6-12") 5/7/1999	4469.06 B173 (6-12") 5/7/1999	4469.08 B174 (6-12") 5/7/1999	4469.10 B175 (6-12") 5/7/1999
Semi-Volatiles (mg/kg)													
Aniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	20	7.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	NAV	ND	0.65 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	**2.6**	ND	**21 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	**4.3**	ND	**9.7**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	0.22 J	0.22 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	3.8	ND	**34**	ND	ND	ND	ND	ND	ND	ND	0.13 J	ND
Dibenzofuran	NAV	0.85 J	ND	14 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	122	1.3	ND	28 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.14 J	ND	ND
Hexachlorobenzene	0.199	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	0.71 J	**230**	0.22 J	ND	0.35 J	ND	ND	ND	ND	1.5	0.36 J
Anthracene	1480	1.6	ND	58	ND	ND	ND	ND	ND	ND	ND	0.24 J	ND
Di-n-butylphthalate	200	ND	0.86 J	0.85 J	1.2	0.36 J	0.69 J	0.64 J	0.55 J	0.43 J	0.15 J	ND	0.81 J
Fluoranthene	122	ND	1.4 J	**190**	0.43 J	ND	0.60 J	ND	ND	ND	ND	2.4	0.84 J
Benzidine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	78.5	4.3	1.5 J	**210**	0.38 J	ND	0.55 J	0.13 J	ND	0.12 J	ND	2.5	0.68 J
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	1.9	0.70 J	**80**	0.22 J	ND	0.29 J	ND	ND	ND	ND	0.93 J	0.32 J
3,3'-Dichlorobenzidine	0.646	0.38 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	2.8	1.5 J	**130**	0.39 J	ND	0.57 J	ND	ND	0.12 J	ND	1.6	0.64 J
bis(2-Ethylhexyl)phthalate	0.925	0.81 J	0.27 J	2.3	ND	ND	ND	ND	ND	ND	ND	0.11 J	ND
Di-n-octylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	59.8	1.1 J	0.74 J	44	0.17 J	ND	0.29 J	ND	ND	ND	ND	0.83 J	0.35 J
Benzo[k]fluoranthene	148	1.2	0.92 J	50	0.21 J	ND	0.27 J	ND	ND	ND	ND	0.89 J	0.32 J
Benzo[a]pyrene	1.52	1.4	0.74 J	**65**	0.21 J	ND	0.33 J	ND	ND	ND	ND	0.93 J	0.37 J
Indeno[1,2,3-cd]pyrene	109	0.53 J	0.39 J	35	ND	ND	0.22 J	ND	ND	ND	ND	0.35 J	0.26 J
Dibenz[a,h]anthracene	18.4	0.18 J	ND	14	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,l]perylene	119	0.51 J	0.46 J	37	ND	ND	0.25 J	ND	ND	ND	ND	0.37 J	0.27 J

See Notes at End of Table

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4413.14 B164 (6-12") 4/13/1999	4413.16 B165 (6-12") 4/13/1999	4413.18 B166 (6-12") 4/13/1999	4413.20 B167 (6-12") 4/13/1999	4413.22 B168 (6-12") 4/13/1999	4413.24 B169 (6-12") 4/13/1999	4413.26 B170 (6-12") 4/13/1999	4469.02 B171 (6-12") 5/7/1999	4469.04 B172 (6-12") 5/7/1999	4469.06 B173 (6-12") 5/7/1999	4469.08 B174 (6-12") 5/7/1999	4469.10 B175 (6-12") 5/7/1999
Pesticides/PCBs (mg/kg)													
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.596	ND	0.118	0.049	0.072	0.035	0.035	0.028	0.017	0.079	0.011	ND	ND
Dieldrin	0.0049	ND	**0.027**	**0.031**	ND	ND	0.027	ND	ND	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.758	ND	0.201	0.134	0.078	0.026	0.055	0.027	0.016	0.060	0.022	ND	ND
4,4'-DDT	0.0035	ND	**0.063**	**0.069**	ND	ND	ND	ND	ND	**0.245**	ND	**0.103**	ND
gamma-Chlordane	0.224	ND	0.045	0.040	ND	ND	ND	ND	ND	0.021	ND	ND	ND
alpha-Chlordane	0.224	ND	0.026	0.025	ND	ND	ND	ND	ND	0.025	ND	ND	ND
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	**5654.281**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)													
Aluminum	50	**10600**	**17900**	**8800**	**11300**	**12500**	**8590**	**13400**	**7570**	**10100**	**17500**	**5890**	**9640**
Antimony	0.27	ND	ND	ND	ND	ND	ND	ND	**4.07**	**5.14**	**0.969**	**0.983**	**0.753**
Arsenic	9.9	**12.6**	**18.9**	7.72	**28.0**	**19.4**	**11.9**	**13.4**	7.71	6.62	**16.4**	2.89	6.62
Barium	283	39.2	53.3	40.8	78.3	60.2	68.8	70.6	30.3	51.3	61.2	21.5	15.0
Beryllium	10	1.56	1.70	0.766	1.36	1.79	1.19	1.99	0.499	0.578	1.66	0.526	0.49
Cadmium	0.36	0.251	**0.69**	**0.606**	ND	ND	ND	ND	ND	**0.600**	ND	**0.974**	ND
Calcium	NAV	2460	1160	469	1280	2080	4680	4250	1390	3200	769	1910	852
Chromium	0.4	**120**	**150**	**89.1**	**160**	**142**	**104**	**180**	**52.2**	**54.8**	**198**	**30.9**	**53.4**
Cobalt	13	2.21	2.60	1.66	0.906	2.71	1.11	1.98	1.76	2.21	1.37	3.32	1.20
Copper	28	9.45	**91.4**	**35.1**	6.96	6.20	7.83	6.91	14.8	14.1	23.9	**43.5**	7.17
Iron	NAV	36200	43600	25800	39400	43800	27600	40100	18400	18000	46600	12100	20800
Lead	11	**14.8**	**91.6**	**44.6**	**16.8**	**12.9**	**16.0**	**12.5**	**71.2**	**81.0**	**41.1**	**57.7**	**8.47**
Magnesium	NAV	4110	4410	2450	5200	5890	3500	6110	1080	1440	5090	1300	1160
Manganese	220	24.9	40.6	22.5	18.8	16.7	16.4	25.5	32.8	57.1	22.8	56.4	26.6
Mercury	0.00051	**0.148**	**0.766**	**2.36**	**0.15**	**0.042**	**0.065**	**0.068**	**0.124**	**0.201**	**0.093**	**0.05**	**0.061**
Nickel	30	15.1	13.0	7.73	5.15	11.2	6.33	17.5	5.90	8.26	8.00	11.5	4.78
Potassium	NAV	10300	10800	6220	13400	17100	9040	15500	2240	3090	14800	1670	3000
Selenium	0.21	**1.55**	ND	**0.638**	**1.61**	**1.02**	**1.83**	**1.45**	**0.743**	**1.03**	**1.44**	ND	ND
Silver	2	ND	ND	0.877	**3.86**	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	341	347	120	129	192	199	165	131	216	200	143	67.4
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**43.3**	**81.7**	**44.8**	**55.9**	**42.6**	**32.4**	**60.8**	**42.9**	**37.5**	**74.0**	**27.3**	**46.0**
Zinc	8.5	**83.4**	**135**	**73.1**	**47.4**	**64.3**	**51.3**	**84.5**	**169**	**118**	**88.9**	**71.7**	**30.3**

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Lab Sample ID	ESC (mg/kg)	4473.02	4473.04	4473.06	4473.08	4473.10	4473.14	4473.16	4473.18	4473.20	4474.02	4474.04	4474.06
Field Sample Location		B176 (6-12")	B177 (6-12")	B178 (6-12")	B179 (6-12")	B180 (6-12")	B181 (6-12")	B182 (6-12")	B183 (6-12")	B184 (6-12")	B185 (6-12")	B186 (6-12")	B187 (6-12")
Sample Date		5/10/1999	5/10/1999	5/10/1999	5/10/1999	5/10/1999	5/10/1999	5/10/1999	5/10/1999	5/10/1999	5/11/1999	5/11/1999	5/11/1999
Semi-Volatiles (mg/kg)													
Aniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	**0.21 J**	ND	ND	ND
4-Chloroaniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	0.28 J	ND	0.11 J	ND	ND	ND
Acenaphthene	20	ND	0.16 J	ND	ND	ND	ND	ND	ND	0.40 J	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	0.34 J	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	122	ND	0.15 J	ND	ND	ND	ND	ND	ND	0.54 J	ND	ND	ND
Azobenzene	NAV	ND	0.34 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.199	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	0.11 J	1.4	0.14 J	ND	0.12 J	0.22 J	0.79 J	0.31 J	6.9	0.21 J	0.12 J	ND
Anthracene	1480	ND	ND	ND	ND	ND	ND	0.18 J	ND	1.8	ND	ND	ND
Di-n-butylphthalate	200	0.12 J	0.39 J	0.39 J	0.35 J	0.57 J	0.61 J	0.66 J	0.56 J	0.16 J	0.35 J	0.43 J	0.83 J
Fluoranthene	122	0.19 J	1.8 J	0.22 J	ND	0.16 J	0.4 J	1.1 J	0.54 J	9.5	0.27 J	0.20 J	ND
Benzidine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	78.5	0.20 J	1.4	0.21 J	ND	0.14 J	0.39 J	1.3 J	0.39 J	6.9	0.32 J	0.18 J	ND
Butylbenzylphthalate	0.239	ND	ND	ND	0.20 J	ND	ND	ND	ND	0.17 J	ND	ND	ND
Benzo[a]anthracene	5.21	0.11 J	0.74 J	0.12 J	ND	ND	0.21 J	0.53 J	0.28 J	3.9	0.15 J	ND	ND
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	0.24 J	1.2	0.23 J	ND	0.19 J	0.41 J	1.3 J	0.55 J	**5.7**	0.33 J	0.20 J	ND
bis(2-Ethylhexyl)phthalate	0.925	ND	0.14 J	0.12 J	0.24 J	0.26 J	0.17 J	0.13 J	0.30 J	0.18 J	0.17 J	0.26 J	0.15 J
Di-n-octylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	59.8	ND	0.60 J	ND	ND	ND	0.28 J	0.48 J	0.33 J	3.7	0.12 J	ND	ND
Benzo[k]fluoranthene	148	ND	0.53 J	ND	ND	ND	0.22 J	0.43 J	0.27 J	3.3	0.11 J	ND	ND
Benzo[a]pyrene	1.52	ND	0.69 J	0.11 J	ND	ND	0.26 J	0.50 J	0.28 J	**3.2**	0.14 J	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	0.39 J	ND	ND	ND	ND	0.36 J	0.15 J	1.1	ND	ND	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	0.64 J	ND	ND	ND
Benzo[g,h,I]perylene	119	ND	0.39 J	ND	ND	ND	ND	0.40 J	0.14 J	0.88 J	ND	ND	ND

See Notes at End of Table

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Lab Sample ID		4473.02	4473.04	4473.06	4473.08	4473.10	4473.14	4473.16	4473.18	4473.20	4474.02	4474.04	4474.06
Field Sample Location	ESC (mg/kg)	B176 (6-12")	B177 (6-12")	B178 (6-12")	B179 (6-12")	B180 (6-12")	B181 (6-12")	B182 (6-12")	B183 (6-12")	B184 (6-12")	B185 (6-12")	B186 (6-12")	B187 (6-12")
Sample Date		5/10/1999	5/10/1999	5/10/1999	5/10/1999	5/10/1999	5/10/1999	5/10/1999	5/10/1999	5/10/1999	5/11/1999	5/11/1999	5/11/1999
Pesticides/PCBs (mg/kg)													
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.596	0.137	0.141	0.134	0.105	0.091	0.533	0.419	0.077	ND	0.160	0.113	0.042
Dieldrin	0.0049	ND	ND	ND	ND	ND	**0.027**	ND	ND	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.758	0.115	0.212	0.178	0.084	0.04	**1.833**	**1.171**	0.039	ND	0.102	0.347	0.043
4,4'-DDT	0.0035	**0.289**	**0.075**	**0.351**	**0.232**	**0.239**	**0.787**	**0.691**	**0.124**	**0.032**	**0.293**	**0.117**	**0.035**
gamma-Chlordane	0.224	0.015	0.034	0.02	0.016	0.013	0.023	0.044	ND	ND	0.040	ND	ND
alpha-Chlordane	0.224	0.016	0.027	0.016	0.015	0.012	0.022	0.039	ND	ND	0.031	ND	ND
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)													
Aluminum	50	**10300**	**8820**	**10500**	**9270**	**12500**	**9240**	**13100**	**13500**	**12900**	**8850**	**8550**	**11300**
Antimony	0.27	**3.78**	**1.17**	**0.809**	**13.7**	**3.01**	**2.41**	**1.13**	**5.23**	**0.573**	**0.796**	**0.791**	ND
Arsenic	9.9	7.48	8.18	7.44	7.35	8.83	7.27	**10.4**	7.44	8.02	**9580**	6.53	5.91
Barium	283	79.3	54.9	66.4	84.8	**286**	53.3	80.1	46.0	37.0	9.88	41.1	30.1
Beryllium	10	0.652	0.818	0.925	0.638	0.925	0.744	1.01	0.773	0.898	**44.6**	0.574	0.571
Cadmium	0.36	**0.768**	**0.656**	**1.28**	**0.792**	**0.809**	**1.01**	**0.791**	**0.803**	**0.489**	**0.599**	**0.600**	**0.38**
Calcium	NAV	2670	3690	2290	11200	11200	3790	1690	3900	1580	1500	4630	434
Chromium	0.4	**60.0**	**82.0**	**85.0**	**62.8**	**92.5**	**73.3**	**102**	**88.6**	**90.1**	**87.9**	**98.0**	**49.9**
Cobalt	13	2.72	2.38	2.77	3.41	3.25	2.76	2.74	2.15	2.67	2.52	2.80	2.50
Copper	28	23.8	18.5	18.2	**38.7**	11.7	17.7	23.1	15.9	11.0	12.4	**97.5**	7.67
Iron	NAV	21100	20800	22400	19500	28500	21500	23400	27400	28800	23100	17000	21800
Lead	11	**164**	**88.5**	**50.3**	**191**	**1210**	**106**	**40.5**	**87.1**	**48.2**	**36.1**	**40.7**	**14.6**
Magnesium	NAV	2170	2250	2300	2700	2940	2250	2390	2100	3170	2560	2220	1460
Manganese	220	71.4	39.1	73.2	91.1	61.7	61.1	79.4	48.8	71.2	61.1	57.8	60.8
Mercury	0.00051	**0.354**	**0.521**	**0.42**	**0.981**	**0.475**	**0.565**	**1.12**	**0.314**	**0.102**	**0.416**	**0.274**	**0.347**
Nickel	30	7.43	8.00	8.73	9.00	10.2	7.39	9.23	8.53	8.57	8.12	6.94	6.27
Potassium	NAV	3510	4620	4480	3650	5810	4710	4460	4630	6890	5340	3340	3050
Selenium	0.21	ND	ND	**0.929**	ND	**0.667**	ND	**1.19**	ND	**0.643**	**0.687**	**0.614**	ND
Silver	2	ND	1.88	1.32	ND	ND	**2.83**	**24.2**	ND	ND	**2.80**	ND	ND
Sodium	NAV	136	133	276	175	131	156	157	155	236	161	207	128
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**47.1**	**47.3**	**50.2**	**42.9**	**59.3**	**43.8**	**52.2**	**79.3**	**81.8**	**47.1**	**42.1**	**46.5**
Zinc	8.5	**220**	**101**	**72.8**	**198**	**1280**	**135**	**153**	**187**	**51.6**	**65.0**	**53.5**	**27.8**

See Notes at End of Table

Table A-5
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4474.08 B188 (6-12") 5/11/1999	4474.10 B189 (6-12") 5/11/1999	4474.14 B190 (6-12") 5/11/1999	4474.16 B191 (6-12") 5/11/1999	4474.18 B192 (6-12") 5/11/1999	4474.20 B193 (6-12") 5/11/1999	4474.22 B194 (6-12") 5/11/1999	4474.24 B195 (6-12") 5/11/1999	4481.02 B196 (6-12") 5/13/1999	4481.04 B197 (6-12") 5/13/1999	4481.06 B198 (6-12") 5/13/1999	4481.08 B199 (6-12") 5/13/1999
Semi-Volatiles (mg/kg)													
Aniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.21 J**
4-Chloroaniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.76 J
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.22 J
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	0.095 J	ND	ND	ND	ND	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.55 J
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.199	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	ND	0.24 J	ND	ND	ND	ND	ND	ND	0.19 J	5.9
Anthracene	1480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4
Di-n-butylphthalate	200	0.43 J	0.88 J	0.39 J	0.45 J	0.61 J	0.90 J	0.61 J	0.55 J	0.24 J	ND	0.10 J	0.16 J
Fluoranthene	122	0.18 J	ND	0.19 J	0.34 J	ND	ND	ND	ND	ND	ND	0.27 J	9.3
Benzidine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	78.5	0.17 J	ND	0.18 J	0.35 J	ND	ND	ND	ND	ND	ND	0.23 J	7.3
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	ND	0.11 J	0.18 J	ND	ND	ND	ND	ND	ND	0.13 J	3.9
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	0.20 J	ND	0.22 J	0.37 J	ND	ND	ND	ND	ND	ND	0.25 J	**6.9**
bis(2-Ethylhexyl)phthalate	0.925	0.14 J	0.13 J	0.12 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	59.8	ND	ND	0.12 J	0.15 J	ND	ND	ND	ND	ND	ND	0.12 J	3.9
Benzo[k]fluoranthene	148	ND	ND	ND	0.15 J	ND	ND	ND	ND	ND	ND	0.10 J	2.2
Benzo[a]pyrene	1.52	ND	ND	0.14 J	0.17 J	ND	ND	ND	ND	ND	ND	0.11 J	**3.9**
Indeno[1,2,3-cd]pyrene	109	ND	ND	0.13 J	ND	ND	ND	ND	ND	ND	ND	ND	2.1
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2
Benzo[g,h,I]perylene	119	ND	ND	0.16 J	ND	ND	ND	ND	ND	ND	ND	ND	1.9

See Notes at End of Table

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4474.08 B188 (6-12") 5/11/1999	4474.10 B189 (6-12") 5/11/1999	4474.14 B190 (6-12") 5/11/1999	4474.16 B191 (6-12") 5/11/1999	4474.18 B192 (6-12") 5/11/1999	4474.20 B193 (6-12") 5/11/1999	4474.22 B194 (6-12") 5/11/1999	4474.24 B195 (6-12") 5/11/1999	4481.02 B196 (6-12") 5/13/1999	4481.04 B197 (6-12") 5/13/1999	4481.06 B198 (6-12") 5/13/1999	4481.08 B199 (6-12") 5/13/1999
Pesticides/PCBs (mg/kg)													
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.596	0.409	ND	0.173	0.200	0.023	ND	ND	ND	0.019	ND	0.088	0.128
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.758	0.651	ND	0.208	0.228	0.055	ND	ND	ND	0.021	ND	0.066	0.094
4,4'-DDT	0.0035	**0.229**	ND	**0.186**	**0.185**	**0.272**	ND	ND	ND	**0.056**	ND	**0.129**	**0.047**
gamma-Chlordane	0.224	0.045	ND	0.028	0.023	ND	ND	ND	ND	ND	ND	0.014	ND
alpha-Chlordane	0.224	0.032	ND	0.024	0.022	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)													
Aluminum	50	**7930**	**10900**	**10300**	**9870**	**10100**	**9160**	**8210**	**14900**	**6890**	**10700**	**22200**	**8390**
Antimony	0.27	**0.787**	**0.518**	**1.89**	**1.41**	**1.16**	**0.462**	**0.561**	**0.794**	**1.23**	**1.08**	**0.553**	**0.867**
Arsenic	9.9	6.97	5.86	8.19	7.76	9.50	5.49	4.87	7.61	6.18	6.06	**25.6**	4.61
Barium	283	77.0	19.7	53.8	43.8	34.0	16.5	12.1	29.8	86.1	23.9	49.6	40.8
Beryllium	10	0.682	0.584	0.817	0.754	0.806	0.511	0.533	0.801	0.541	0.802	1.91	0.733
Cadmium	0.36	**0.829**	0.343	**0.798**	**0.606**	**1.57**	0.36	**0.382**	**0.405**	**1.14**	**0.592**	**2.33**	**1.34**
Calcium	NAV	1480	206	2550	3230	1470	210	493	893	2590	1840	923	2920
Chromium	0.4	**66.1**	**62.6**	**84.0**	**93.5**	**78.3**	**47.7**	**51.6**	**70.9**	**52.7**	**86.0**	**132**	**76.0**
Cobalt	13	2.86	3.04	2.79	3.15	2.51	1.87	2.66	3.92	2.75	1.34	4.01	2.27
Copper	28	13.2	8.61	22.4	**66.4**	24.7	10.9	5.20	7.97	21.2	10.9	19.3	16.7
Iron	NAV	20400	20800	23000	23700	26800	18900	19800	28900	18100	22700	121000	19400
Lead	11	**77.1**	5.49	**77.0**	**51.0**	**47.5**	8.31	4.88	7.71	**107**	8.16	**22.3**	**153**
Magnesium	NAV	1650	1490	2250	2530	2630	1300	1320	2150	1650	2960	2640	2270
Manganese	220	110	81.3	59.6	68.1	69.1	35.1	108	147	59.1	31.4	105	48.3
Mercury	0.00051	**0.355**	**0.254**	**0.392**	**0.35**	**0.297**	**0.192**	**0.293**	**0.219**	**1.75**	**16.6**	**216**	**4.84**
Nickel	30	6.890	10.3	11.5	9.81	7.57	5.24	4.34	8.73	9.29	5.07	19.7	7.46
Potassium	NAV	3260	3470	4460	4210	5030	2720	3190	4270	2950	4960	4830	4130
Selenium	0.21	**0.795**	ND	**1.33**	**0.68**	**1.12**	**0.978**	**1.07**	**0.925**	**1.16**	**1.07**	**3.17**	**1.10**
Silver	2	**2.32**	ND	1.74	1.52	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	110	122	237	251	139	79	104	168	137	128	165	155
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**38.5**	**52.4**	**54**	**49.3**	**54.4**	**46.4**	**49.0**	**63.9**	**38.8**	**41.9**	**222**	**40.5**
Zinc	8.5	**87.3**	**28.0**	**99.5**	**65.5**	**76.8**	**15.9**	**17.1**	**31.1**	**167**	**34.3**	**133**	**172**

NOTES:
Exceedances of Eco-SSL soil criteria are bold and shaded.
ESC = Ecological Screening Criteria (see Section 3.3)
mg/kg = milligrams per kilogram
ND = Not Detected
NAV = No available value
J = Estimated Value: Mass spectrometer and retention time data indicate the presence of the analyte, however the result is less than the method detection limit, but greater than zero.

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Lab Sample ID Field Sample Location Sample Date	Eco-SSL (mg/kg)	4481.10 B200 (6-12") 5/13/1999	4481.14 B201 (6-12") 5/13/1999	4481.16 B202 (6-12") 5/13/1999	4481.18 B203 (6-12") 5/13/1999	4481.20 B204 (6-12") 5/13/1999	4481.22 B205 (6-12") 5/13/1999	4481.24 B206 (6-12") 5/13/1999	4481.26 B207 (6-12") 5/13/1999	4484.02 B208 (6-12") 5/14/1999	4484.04 B209 (6-12") 5/14/1999	4484.06 B210 (6-12") 5/14/1999
Semi-Volatiles (mg/kg)												
Aniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	0.27 J	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	0.13 J	ND	ND
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.199	ND	ND	ND	ND	**2.0**	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	0.36 J	0.77 J	0.52 J	0.21 J	ND	0.49 J	1.2 J	0.12 J	ND
Anthracene	1480	ND	ND	ND	0.19 J	0.12 J	ND	ND	0.13 J	0.48 J	ND	ND
Di-n-butylphthalate	200	0.26 J	0.17 J	0.63 J	0.18 J	0.43 J	0.12 J	0.39 J	0.37 J	0.34 J	0.23 J	0.11 J
Fluoranthene	122	ND	0.32 J	0.53 J	1.5	0.80 J	0.45 J	0.12 J	1.2	3.0	0.32 J	ND
Benzidine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	78.5	ND	0.27 J	0.43 J	1.2	0.72 J	0.39 J	0.13 J	1. J	2.3	0.34 J	ND
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	0.19 J	0.24 J	0.68 J	0.41 J	0.23 J	ND	0.49 J	1.4	0.20 J	ND
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	ND	0.35 J	0.43 J	1.3	0.75 J	0.46 J	ND	0.94 J	2.2	0.40 J	ND
bis(2-Ethylhexyl)phthalate	0.925	ND	ND	ND	ND	0.12 J	ND	0.18 J	ND	0.12 J	ND	ND
Di-n-octylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	59.8	ND	0.22 J	0.19 J	0.50 J	0.36 J	0.24 J	ND	0.42 J	1.6	0.32 J	ND
Benzo[k]fluoranthene	148	ND	0.15 J	0.19 J	0.51 J	0.33 J	0.20 J	ND	0.43 J	1.2	0.31 J	ND
Benzo[a]pyrene	1.52	ND	0.20 J	0.20 J	0.58 J	0.41 J	0.23 J	ND	0.45 J	1.5	0.33 J	ND
Indeno[1,2,3-cd]pyrene	109	ND	0.12 J	0.14 J	0.41 J	0.18 J	0.17 J	ND	0.26 J	0.65 J	ND	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,I]perylene	119	ND	ND	0.14 J	0.43 J	0.18 J	0.19 J	ND	0.27 J	0.59 J	ND	ND

See Notes at End of Table

Table A-5
Soil Sampling Results
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Lab Sample ID Field Sample Location Sample Date	Eco-SSL (mg/kg)	4481.10 B200 (6-12") 5/13/1999	4481.14 B201 (6-12") 5/13/1999	4481.16 B202 (6-12") 5/13/1999	4481.18 B203 (6-12") 5/13/1999	4481.20 B204 (6-12") 5/13/1999	4481.22 B205 (6-12") 5/13/1999	4481.24 B206 (6-12") 5/13/1999	4481.26 B207 (6-12") 5/13/1999	4484.02 B208 (6-12") 5/14/1999	4484.04 B209 (6-12") 5/14/1999	4484.06 B210 (6-12") 5/14/1999
Pesticides/PCBs (mg/kg)												
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.596	**2.108**	0.035	0.459	0.066	0.143	0.049	0.033	0.070	0.028	0.037	ND
Dieldrin	0.00238	ND	ND	ND	ND	ND	ND	ND	ND	**0.012**	**0.021**	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.758	**2.548**	0.053	0.316	0.134	0.399	0.130	0.082	0.184	0.035	0.050	ND
4,4'-DDT	0.0035	**3.771**	**0.119**	**0.188**	**0.033**	**0.326**	**0.088**	ND	**0.028**	**0.037**	**0.067**	ND
gamma-Chlordane	0.224	0.036	ND	0.015	ND	0.072	0.022	ND	0.021	ND	0.015	ND
alpha-Chlordane	0.224	ND	0.011	0.014	ND	0.064	0.018	ND	ND	ND	0.013	ND
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)												
Aluminum	50	**11500**	**10400**	**14100**	**10900**	**19400**	**14100**	**5720**	**13500**	**9700**	**6940**	**11700**
Antimony	0.27	**2.21**	**1.64**	**0.741**	**1.25**	**0.967**	**1.64**	ND	**1.10**	**0.892**	**2.07**	**0.740**
Arsenic	9.9	3.55	8.68	6.78	6.08	6.65	**11.6**	3.76	**10.3**	7.01	6.48	**17.7**
Barium	283	47.3	35.0	82.6	35.6	116	53.2	33.7	52.8	29.0	27.5	37.6
Beryllium	10	2.64	0.774	0.878	1.25	1.48	1.25	0.672	1.04	0.751	0.663	0.916
Cadmium	0.36	**26.6**	**1.98**	**0.873**	**0.719**	**2.41**	**1.91**	**2.31**	**3.64**	**0.625**	**0.567**	**0.800**
Calcium	NAV	2980	1540	1480	352	4340	2660	7480	4670	2760	1540	432
Chromium	0.4	**33.0**	**79.5**	**77.2**	**101**	**109**	**106**	**56.8**	**67.7**	**68.9**	**59.9**	**84.2**
Cobalt	13	4.25	2.28	2.13	1.24	4.20	4.74	1.40	5.82	2.19	1.61	1.52
Copper	28	**45.0**	15.5	4.87	**120**	11.3	**41.2**	**40.4**	19.1	14.5	11.7	12.0
Iron	NAV	9340	28000	21200	24700	26000	35000	24500	33400	24300	20800	30700
Lead	11	**42.0**	**54.4**	**15.8**	**28.5**	**26.3**	**66**	**75.3**	**280**	**40.6**	**49.8**	**11.3**
Magnesium	NAV	1820	2110	2150	3070	2950	3700	1250	2970	2910	1970	3070
Manganese	220	41.5	48.8	24.8	16.4	**312**	84.9	31.6	105	64.0	28.0	28.0
Mercury	0.00051	**0.526**	**0.938**	**1.68**	**0.381**	**0.587**	**1.47**	**0.297**	**0.225**	**0.069**	**0.069**	ND
Nickel	30	19.0	10.2	7.01	5.55	12.4	12.6	5.03	16.0	6.12	5.73	5.34
Potassium	NAV	1730	4430	3770	6700	4200	7720	2090	5120	5590	4430	6230
Selenium	0.21	ND	ND	**1.04**	**1.17**	**0.848**	**1.17**	**0.75**	**1.05**	**1.24**	**1.26**	**1.46**
Silver	2	ND	ND	0.864	ND	ND	ND	ND	0.79	ND	ND	ND
Sodium	NAV	123	129	160	120	230	374	313	349	224	222	186
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**25.3**	**68.2**	**47.0**	**48.2**	**60.3**	**60.8**	**23.5**	**43.3**	**42.1**	**38.1**	**48.3**
Zinc	8.5	**332**	**123**	**70.7**	**43.8**	**167**	**105**	**138**	**374**	**101**	**87.4**	**49.3**

See Notes at End of Table

Table A-5
Soil Sampling Results
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Lab Sample ID Field Sample Location Sample Date	Eco-SSL (mg/kg)	4484.08 B211 (6-12") 5/14/1999	4484.10 B212 (6-12") 5/14/1999	4490.02 B213 (6-12") 5/17/1999	4490.04 B214 (6-12") 5/17/1999	4490.06 B215 (6-12") 5/17/1999	4490.08 B216 (6-12") 5/17/1999	4490.10 B217 (6-12") 5/17/1999	4490.14 B218 (6-12") 5/17/1999	4490.16 B219 (6-12") 5/17/1999	4490.18 B220 (6-12") 5/17/1999	4490.20 B221 (6-12") 5/17/1999
Semi-Volatiles (mg/kg)												
Aniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.199	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	0.17 J	0.49 J	0.14 J	ND	ND	ND	0.12 J	ND	0.40 J	ND	ND
Anthracene	1480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.14 J	0.15 J	0.15 J	ND	0.15 J	0.15 J	0.57 J	0.29 J	0.90 J	ND	0.96 J
Fluoranthene	122	0.47 J	0.46 J	0.27 J	ND	0.017 J	0.12 J	0.28 J	ND	0.54 J	ND	0.21 J
Benzidine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	78.5	0.43 J	0.44 J	0.25 J	ND	0.19 J	0.12 J	0.28 J	ND	0.65 J	ND	0.23 J
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	0.25 J	0.20 J	0.14 J	ND	0.11 J	ND	0.18 J	ND	0.32 J	ND	0.14 J
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	0.51 J	0.40 J	0.31 J	ND	0.25 J	ND	0.40 J	ND	0.73 J	ND	0.25 J
bis(2-Ethylhexyl)phthalate	0.925	0.11 J	0.12 J	0.21 J	ND	0.14 J	0.13 J	0.16 J	ND	0.12 J	ND	0.76 J
Di-n-octylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	59.8	0.32 J	0.15 J	0.14 J	ND	ND	0.11 J	0.26 J	ND	0.29 J	ND	ND
Benzo[k]fluoranthene	148	0.29 J	0.13 J	0.12 J	ND	ND	ND	0.17 J	ND	0.22 J	ND	ND
Benzo[a]pyrene	1.52	0.30 J	0.16 J	ND	ND	ND	ND	0.21 J	ND	0.28 J	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	ND	ND	ND	ND	ND	0.24 J	ND	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,I]perylene	119	ND	ND	ND	ND	ND	ND	ND	ND	0.28 J	ND	ND

See Notes at End of Table

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Lab Sample ID Field Sample Location Sample Date	Eco-SSL (mg/kg)	4484.08 B211 (6-12") 5/14/1999	4484.10 B212 (6-12") 5/14/1999	4490.02 B213 (6-12") 5/17/1999	4490.04 B214 (6-12") 5/17/1999	4490.06 B215 (6-12") 5/17/1999	4490.08 B216 (6-12") 5/17/1999	4490.10 B217 (6-12") 5/17/1999	4490.14 B218 (6-12") 5/17/1999	4490.16 B219 (6-12") 5/17/1999	4490.18 B220 (6-12") 5/17/1999	4490.20 B221 (6-12") 5/17/1999
Pesticides/PCBs (mg/kg)												
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.596	0.055	0.018	0.087	0.070	0.058	0.091	0.175	ND	0.138	0.475	0.246
Dieldrin	0.00238	ND	ND	ND	ND	ND	ND	**0.037**	ND	ND	**0.029**	**0.037**
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.758	0.078	0.037	0.130	0.132	0.047	0.023	0.344	ND	0.096	**9.331**	0.464
4,4'-DDT	0.0035	**0.237**	ND	**0.054**	**0.235**	**0.306**	**0.049**	**0.493**	ND	**0.232**	**0.492**	**0.354**
gamma-Chlordane	0.224	0.014	ND	0.069	0.037	ND	ND	0.038	ND	ND	0.066	0.043
alpha-Chlordane	0.224	0.012	ND	0.063	0.034	ND	ND	0.029	ND	ND	0.052	0.049
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	**3.268**	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)												
Aluminum	50	**5310**	**9390**	**6990**	**11400**	**4710**	**7750**	**11200**	**7980**	**10000**	**8180**	**7640**
Antimony	0.27	ND	ND	**0.952**	**63.9**	**0.856**	**0.894**	**2.27**	**0.399**	**0.778**	**5.68**	**3.59**
Arsenic	9.9	7.21	7.54	7.99	6.25	3.43	6.51	8.43	3.31	6.38	5.20	5.27
Barium	283	66.7	34.9	54.2	70.3	16.5	20.3	93.0	14.5	50.4	**569**	103
Beryllium	10	0.557	0.51	0.694	0.753	0.389	0.624	0.916	0.378	0.773	0.807	0.489
Cadmium	0.36	**0.886**	**0.512**	0.327	**0.765**	0.261	**0.854**	**1.38**	0.305	**0.533**	**4.25**	**1.10**
Calcium	NAV	1480	1640	424	5430	517	2010	2620	2430	1080	15700	3890
Chromium	0.4	**45.8**	**41.9**	**73.1**	**73.5**	**31.8**	**56.6**	**96.0**	**45.7**	**80.7**	**44.3**	**41.6**
Cobalt	13	1.89	1.99	1.38	2.96	1.41	2.80	2.83	4.80	2.73	4.72	2.74
Copper	28	**29.7**	13.9	21.6	14.4	17.5	**30.1**	**32.5**	**50**	13.9	**30.0**	19.7
Iron	NAV	17100	17200	21700	23300	12000	18500	29000	16300	20800	15000	16700
Lead	11	**105**	**53.1**	**53.0**	**179**	**83.3**	**38.7**	**312**	**24.7**	**38.2**	**5050**	**786**
Magnesium	NAV	1000	1140	2140	2600	1260	2160	3540	3010	2080	2100	1630
Manganese	220	33.8	109	14.7	61.0	33.0	67.1	68.7	79.5	51.2	83.3	60.3
Mercury	0.00051	**0.445**	**0.108**	**0.96**	**0.583**	**0.216**	**1.521**	**0.709**	**0.211**	**2.36**	**0.51**	**0.56**
Nickel	30	5.95	5.26	4.50	9.42	4.22	8.56	8.74	11.2	7.32	13.3	7.57
Potassium	NAV	1820	1860	5030	4880	2600	3660	6790	2620	4410	2070	2480
Selenium	0.21	**0.795**	**1.18**	**1.55**	**0.924**	ND	**1.02**	**1.42**	**0.618**	**1.17**	**1.31**	**1.12**
Silver	2	0.715	ND	ND	ND	ND	ND	ND	ND	**11.1**	ND	ND
Sodium	NAV	141	226	159	334	156	219	263	347	186	184	113
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**26.9**	**20.5**	**37.5**	**47.7**	**25.5**	**40**	**56.6**	**62.5**	**47.6**	**32.1**	**29.9**
Zinc	8.5	**128**	**99.4**	**40.1**	**270**	**41.5**	**74.8**	**133**	**36.8**	**73.3**	**1190**	**530**

See Notes at End of Table

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Lab Sample ID Field Sample Location Sample Date	Eco-SSL (mg/kg)	4490.22 B222 (6-12") 5/17/1999	4490.24 B223 (6-12") 5/17/1999	4490.26 B224 (6-12") 5/17/1999	4533.02 B225 (6-12") 6/3/1999	4533.04 B226 (6-12") 6/3/1999	4533.06 B227 (6-12") 6/3/1999	4533.08 B228 (6-12") 6/3/1999	4533.10 B229 (6-12") 6/3/1999	4533.14 B230 (6-12") 6/3/1999	4533.16 B231 (6-12") 6/3/1999	4533.18 B232 (6-12") 6/3/1999
Semi-Volatiles (mg/kg)												
Aniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	0.19 J	ND	ND	ND	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.199	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	0.12 J	ND	0.21 J	ND	0.17 J	ND	ND	ND	0.12 J	ND	0.29 J
Anthracene	1480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	1.6	ND	13.0	0.18 J	0.42 J	0.51 J	0.96 J	0.22 J	0.51 J	0.93 J	0.15 J
Fluoranthene	122	0.15 J	ND	0.54 J	0.13 J	0.36 J	ND	ND	ND	0.23 J	ND	0.43 J
Benzidine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	78.5	0.20 J	ND	0.50 J	0.11 J	0.31 J	ND	ND	ND	0.22 J	ND	0.41 J
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	ND	0.28 J	ND	0.17 J	ND	ND	ND	0.13 J	ND	0.23 J
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	0.21 J	ND	0.57 J	0.13 J	0.37 J	ND	ND	ND	0.27 J	ND	0.46 J
bis(2-Ethylhexyl)phthalate	0.925	0.19 J	ND	0.14 J	ND	0.14 J	0.12 J	0.14 J	ND	0.16 J	0.15 J	ND
Di-n-octylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	59.8	ND	ND	0.31 J	ND	0.20 J	ND	ND	ND	0.13 J	ND	0.20 J
Benzo[k]fluoranthene	148	ND	ND	0.19 J	ND	0.16 J	ND	ND	ND	0.13 J	ND	0.18 J
Benzo[a]pyrene	1.52	ND	ND	0.26 J	ND	0.16 J	ND	ND	ND	0.13 J	ND	0.21 J
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	ND	0.14 J	ND	ND	ND	ND	ND	0.11 J
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,I]perylene	119	ND	ND	ND	ND	0.15 J	ND	ND	ND	ND	ND	ND

See Notes at End of Table

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Lab Sample ID Field Sample Location Sample Date	Eco-SSL (mg/kg)	4490.22 B222 (6-12") 5/17/1999	4490.24 B223 (6-12") 5/17/1999	4490.26 B224 (6-12") 5/17/1999	4533.02 B225 (6-12") 6/3/1999	4533.04 B226 (6-12") 6/3/1999	4533.06 B227 (6-12") 6/3/1999	4533.08 B228 (6-12") 6/3/1999	4533.10 B229 (6-12") 6/3/1999	4533.14 B230 (6-12") 6/3/1999	4533.16 B231 (6-12") 6/3/1999	4533.18 B232 (6-12") 6/3/1999
Pesticides/PCBs (mg/kg)												
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.596	0.065	0.208	0.075	ND	0.023	0.020	0.027	0.024	0.104	0.030	0.137
Dieldrin	0.00238	ND	**0.031**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.758	0.201	**3.632**	0.176	ND	0.031	0.020	ND	0.016	0.222	0.041	0.170
4,4'-DDT	0.0035	**0.074**	**0.327**	**0.089**	ND	ND	**0.032**	ND	**0.032**	**0.264**	**0.117**	**0.206**
gamma-Chlordane	0.224	ND	**0.314**	0.024	ND	ND	ND	ND	ND	ND	ND	ND
alpha-Chlordane	0.224	ND	**0.241**	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)												
Aluminum	50	**6220**	**6760**	**7340**	**5090**	**10300**	**4370**	**5910**	**7070**	**9220**	**7580**	**5910**
Antimony	0.27	**0.931**	**0.938**	**2.90**	**0.655**	**0.848**	ND	**1.30**	**0.959**	**1.03**	**0.512**	**1.16**
Arsenic	9.9	6.04	6.42	6.96	9.84	**13.4**	5.84	9.57	7.27	9.70	9.81	8.21
Barium	283	16.9	40.9	27.5	45.4	50.4	26.0	31.9	26.6	48.1	37.1	33.4
Beryllium	10	0.666	0.622	0.665	0.539	1.04	0.531	0.849	0.937	0.843	0.956	0.635
Cadmium	0.36	**0.442**	**1.04**	**0.407**	**1.37**	**1.55**	**0.643**	**2.20**	**0.789**	**1.31**	**1.15**	**1.38**
Calcium	NAV	319	1190	787	371	370	754	448	660	1120	545	250
Chromium	0.4	**78.0**	**62.9**	**69.7**	**80.9**	**127**	**49.3**	**61.0**	**96.4**	**99.5**	**85.5**	**78.3**
Cobalt	13	0.751	2.22	1.05	0.902	1.55	0.886	3.72	0.859	2.50	1.43	1.06
Copper	28	**31.1**	**38.6**	24.6	10.5	**30.4**	3.16	5.01	2.02	**31.9**	3.78	**32.5**
Iron	NAV	20700	17400	21300	28000	35500	14800	14700	23200	30800	26700	22200
Lead	11	**25.9**	**59.3**	**42.7**	**25.1**	**82.3**	4.38	**13.8**	**18.3**	**78.6**	**17.2**	**45.9**
Magnesium	NAV	2260	1390	2010	1650	3370	1130	1700	2910	3110	2510	2010
Manganese	220	12.0	47.1	18.7	11.2	25.9	9.64	18.4	15.0	94.2	21.7	18.7
Mercury	0.00051	**0.232**	**0.339**	**0.362**	**0.071**	**0.197**	**0.05**	**1.027**	**0.09**	**0.246**	**0.044**	**0.117**
Nickel	30	3.09	7.98	4.30	4.04	6.88	4.31	9.40	4.34	13.5	8.30	5.89
Potassium	NAV	5670	2580	4600	4730	8230	2910	3910	7040	7350	6020	4720
Selenium	0.21	**1.15**	**0.813**	**1.52**	**2.84**	**2.31**	**1.34**	**1.08**	**1.12**	**1.63**	**1.52**	**1.21**
Silver	2	0.58	**3.04**	ND	0.662	**2.28**	ND	ND	ND	ND	ND	0.978
Sodium	NAV	238	106	165	108	326	108	81.9	113	324	133	266
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**33.9**	**41.4**	**34.6**	**39.4**	**58.2**	**28.5**	**34.0**	**45.5**	**49.7**	**44.7**	**34.0**
Zinc	8.5	**34.5**	**62.9**	**42.9**	**49.2**	**66.3**	**41.4**	**201**	**40.3**	**114**	**53.8**	**36.2**

See Notes at End of Table

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Lab Sample ID Field Sample Location Sample Date	Eco-SSL (mg/kg)	4533.20 B233 (6-12") 6/3/1999	4533.22 B234 (6-12") 6/3/1999	4533.24 B235 (6-12") 6/3/1999	4533.26 B236 (6-12") 6/3/1999	4533.28 B237 (6-12") 6/3/1999	4533.30 B238 (6-12") 6/3/1999	4533.32 B239 (6-12") 6/3/1999	4533.34 B240 (6-12") 6/3/1999	4533.36 B241 (6-12") 6/3/1999	4533.38 B242 (6-12") 6/3/1999
Semi-Volatiles (mg/kg)											
Aniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.53 J
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	0.38 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.199	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	0.43 J	ND	ND	ND	ND	ND	0.24 J	0.21 J	ND
Anthracene	1480	ND	0.13 J	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.77 J	0.86 J	0.69 J	0.34 J	0.23 J	1.1	0.55 J	0.70 J	0.80 J	0.16 J
Fluoranthene	122	0.19 J	0.77 J	0.18 J	0.12 J	ND	ND	0.11 J	0.31 J	0.36 J	0.11 J
Benzidine	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	78.5	0.17 J	0.63 J	0.16 J	ND	ND	ND	0.11 J	0.31 J	0.28 J	ND
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	0.37 J	ND	ND	ND	ND	ND	0.17 J	0.16 J	ND
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	0.28 J	0.73 J	0.19 J	0.11 J	ND	ND	0.12 J	0.40 J	0.34 J	0.10 J
bis(2-Ethylhexyl)phthalate	0.925	0.16 J	0.17 J	0.12 J	ND	ND	0.11 J	0.14 J	0.17 J	0.15 J	ND
Di-n-octylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	59.8	ND	0.43 J	ND	ND	ND	ND	ND	0.17 J	0.17 J	ND
Benzo[k]fluoranthene	148	ND	0.34 J	ND	ND	ND	ND	ND	0.16 J	0.16 J	ND
Benzo[a]pyrene	1.52	ND	0.39 J	ND	ND	ND	ND	ND	0.15 J	0.16 J	ND
Indeno[1,2,3-cd]pyrene	109	ND	0.23 J	ND	ND	ND	ND	ND	0.12 J	0.12 J	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,l]perylene	119	ND	0.22 J	ND	ND	ND	ND	ND	0.13 J	0.13 J	ND

See Notes at End of Table

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Lab Sample ID Field Sample Location Sample Date	Eco-SSL (mg/kg)	4533.20 B233 (6-12") 6/3/1999	4533.22 B234 (6-12") 6/3/1999	4533.24 B235 (6-12") 6/3/1999	4533.26 B236 (6-12") 6/3/1999	4533.28 B237 (6-12") 6/3/1999	4533.30 B238 (6-12") 6/3/1999	4533.32 B239 (6-12") 6/3/1999	4533.34 B240 (6-12") 6/3/1999	4533.36 B241 (6-12") 6/3/1999	4533.38 B242 (6-12") 6/3/1999
Pesticides/PCBs (mg/kg)											
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.596	0.016	0.048	0.013	0.012	ND	0.036	0.059	0.104	0.014	0.012
Dieldrin	0.00238	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.758	0.032	0.081	ND	0.017	0.013	0.028	0.064	0.138	ND	ND
4,4'-DDT	0.0035	**0.070**	**0.177**	**0.033**	**0.050**	ND	**0.048**	**0.124**	**0.166**	**0.054**	**0.022**
gamma-Chlordane	0.224	ND	0.039	ND	ND	ND	ND	ND	ND	ND	ND
alpha-Chlordane	0.224	ND	0.031	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)											
Aluminum	50	**11900**	**10900**	**3130**	**7560**	**20800**	**4700**	**9300**	**9010**	**19500**	**8190**
Antimony	0.27	**1.09**	**1.10**	**0.736**	**0.616**	**1.46**	ND	**1.69**	**0.938**	**2.32**	**0.755**
Arsenic	9.9	8.9	**13.5**	7.97	**11.2**	**15.6**	7.03	7.62	8.59	**12**	7.40
Barium	283	80.6	46.5	11.0	103	104	38.3	38.5	39.7	60.5	35.6
Beryllium	10	1.43	1.05	0.400	0.874	2.49	0.752	0.79	0.848	2.18	0.864
Cadmium	0.36	**1.73**	**1.62**	**1.15**	**1.74**	**3.04**	**0.837**	**0.828**	**1.11**	**2.79**	**0.746**
Calcium	NAV	1110	716	153	952	1450	437	1650	335	422	215
Chromium	0.4	**152**	**129**	**68.4**	**108**	**328**	**63.1**	**64.8**	**105**	**276**	**89.3**
Cobalt	13	2.07	2.12	0.669	2.05	2.31	0.823	2.69	1.46	1.46	1.28
Copper	28	13.9	24.5	9.02	12.9	**99.6**	3.33	10.6	23.5	14.9	4.73
Iron	NAV	38700	36300	25700	29600	68000	16900	21600	29100	64000	21900
Lead	11	**18.2**	**87.8**	**17.7**	**19.3**	**19.2**	10.9	**53.9**	**39.0**	**25.6**	**11.8**
Magnesium	NAV	5050	3470	762	2640	10200	1650	2350	3130	8800	2360
Manganese	220	25.9	31.5	7.11	14.0	22.7	12.4	64.3	23.8	22.7	18.6
Mercury	0.00051	**0.073**	**0.215**	**0.050**	**0.072**	**0.051**	**0.047**	**0.145**	**0.115**	**0.091**	**0.135**
Nickel	30	9.41	9.79	3.05	6.61	11.3	4.34	7.24	6.23	8.48	6.29
Potassium	NAV	13000	8240	2230	7730	25500	4200	4840	7400	22500	5810
Selenium	0.21	**2.31**	**1.96**	**2.38**	**4.76**	**3.87**	**1.33**	**1.01**	**1.12**	**2.64**	**1.33**
Silver	2	ND	**2.18**	ND	ND	0.839	ND	ND	ND	ND	ND
Sodium	NAV	153	342	49.8	67.5	112	84.9	72.4	264	233	112
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**46.3**	**76.7**	**72.3**	**30.4**	**98.2**	**30.2**	**40.9**	**51.7**	**109**	**50.5**
Zinc	8.5	**97.6**	**62.1**	**54.8**	**93.4**	**128**	**36.1**	**80.5**	**36.6**	**96.5**	**33.9**

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Lab Sample ID Field Sample Location Sample Date	Eco-SSL (mg/kg)	4533.40 B243 (6-12") 6/3/1999	4533.42 B244 (6-12") 6/3/1999	4533.44 B245 (6-12") 6/3/1999	4533.46 B246 (6-12") 6/3/1999	4533.48 B247 (6-12") 6/3/1999	4533.50 B248 (6-12") 6/3/1999	4533.52 B249 (6-12") 6/3/1999	4533.54 B250 (6-12") 6/3/1999
Semi-Volatiles (mg/kg)									
Aniline	NAV	ND	ND	ND	ND	ND	ND	0.30 J	ND
1,4-Dichlorobenzene	20	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	NAV	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NAV	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.31	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	NAV	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	NAV	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	0.18 J	ND	ND	ND	ND	ND	0.25 J
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	0.44 J
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	0.13 J
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	0.44 J
Azobenzene	NAV	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.199	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	0.35 J	ND	0.14 J	ND	0.25 J	0.37 J	5.1
Anthracene	1480	ND	0.27 J	ND	ND	ND	ND	ND	2.2
Di-n-butylphthalate	200	0.21 J	0.19 J	0.33 J	0.44 J	0.38 J	1.0 J	0.69 J	0.31 J
Fluoranthene	122	ND	0.81 J	0.23 J	0.29 J	ND	0.74 J	0.70 J	16
Benzidine	NAV	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	78.5	ND	0.68 J	0.20 J	0.26 J	ND	0.59 J	0.69 J	0.01 J
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	0.69 J	0.12 J	0.15 J	ND	0.37 J	0.34 J	0.01 J
3,3'-Dichlorobenzidine	0.646	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	ND	1.7 J	0.25 J	0.37 J	ND	0.60 J	0.50 J	0.01 J
bis(2-Ethylhexyl)phthalate	0.925	ND	0.17 J	ND	0.40 J	0.15 J	0.12 J	0.12 J	0.12 J
Di-n-octylphthalate	NAV	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	59.8	ND	0.90 J	0.15 J	0.31 J	ND	0.32 J	0.41 J	0.01 J
Benzo[k]fluoranthene	148	ND	0.65 J	0.12 J	0.28 J	ND	0.28 J	0.33 J	4.9 J
Benzo[a]pyrene	1.52	ND	0.59 J	0.15 J	0.22 J	ND	0.36 J	0.36 J	**7.3**
Indeno[1,2,3-cd]pyrene	109	ND	0.39 J	0.12 J	0.14 J	ND	0.23 J	0.15 J	3.1 J
Dibenz[a,h]anthracene	18.4	ND	0.15 J	ND	ND	ND	ND	ND	1.4 J
Benzo[g,h,I]perylene	119	ND	0.33 J	0.14 J	0.17 J	ND	0.23 J	0.13 J	2.6 J

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Lab Sample ID Field Sample Location Sample Date	Eco-SSL (mg/kg)	4533.40 B243 (6-12") 6/3/1999	4533.42 B244 (6-12") 6/3/1999	4533.44 B245 (6-12") 6/3/1999	4533.46 B246 (6-12") 6/3/1999	4533.48 B247 (6-12") 6/3/1999	4533.50 B248 (6-12") 6/3/1999	4533.52 B249 (6-12") 6/3/1999	4533.54 B250 (6-12") 6/3/1999
Pesticides/PCBs (mg/kg)									
gamma-BHC	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.152	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.596	0.023	0.211	0.019	0.122	0.039	0.051	0.021	0.128
Dieldrin	0.00238	ND	ND	ND	ND	ND	ND	**0.019**	ND
Endrin	0.0101	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.758	ND	0.089	0.017	0.060	0.025	0.060	0.031	0.084
4,4'-DDT	0.0035	**0.093**	**0.060**	ND	**0.277**	**0.041**	**0.192**	**0.074**	**0.189**
gamma-Chlordane	0.224	ND	0.017	0.017	0.037	ND	ND	0.019	ND
alpha-Chlordane	0.224	ND	0.016	0.017	0.033	ND	ND	0.016	ND
Aroclor 1016	0.371	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.371	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND
Metals (mg/kg)									
Aluminum	50	**15800**	**9810**	**7900**	**17600**	**8830**	**10800**	**9290**	**11600**
Antimony	0.27	**0.639**	**1.53**	**12.0**	**1.58**	**0.804**	**1.84**	**1.65**	**2.20**
Arsenic	9.9	**15.4**	8.59	6.25	**10.0**	9.70	**10.5**	9.13	**14.0**
Barium	283	44.5	49.8	32.8	81.9	57.0	84.7	103	67.9
Beryllium	10	1.28	0.878	0.41	1.36	1.19	1.44	0.966	1.21
Cadmium	0.36	**1.21**	**1.76**	**7.10**	**3.06**	**1.16**	**3.79**	**1.61**	**1.95**
Calcium	NAV	745	3950	4840	2440	913	2610	1630	11100
Chromium	0.4	**67.4**	**89.8**	**1560**	**83.0**	**136**	**94.0**	**72.2**	**103**
Cobalt	13	3.80	5.53	5.55	5.45	1.26	7.53	2.69	4.51
Copper	28	17.5	**32.2**	**131**	**36.2**	**133**	**332**	17.6	18.8
Iron	NAV	32000	29500	21500	29800	31100	27200	25100	34700
Lead	11	**29.0**	**174**	**47.6**	**225**	**19**	**274**	**477**	**234**
Magnesium	NAV	3180	5360	2920	3260	4110	4150	2980	10900
Manganese	220	103	121	88.2	157	21.8	133	49.6	123
Mercury	0.00051	**0.141**	**0.821**	**7.682**	**0.271**	**0.083**	**1.317**	**0.250**	**0.587**
Nickel	30	9.85	13.9	**7330**	25.7	6.28	17.9	10.3	**36.8**
Potassium	NAV	6990	6050	4150	6860	10300	7440	6280	8390
Selenium	0.21	**1.19**	**1.67**	ND	**1.09**	**1.50**	**0.97**	**1.08**	**0.741**
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	132	181	117	278	77.6	130	64.6	96.4
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**49.2**	**53.5**	**58.0**	**59.4**	**58.7**	**49.2**	**43.8**	**101**
Zinc	8.5	**68.7**	**167**	**146**	**256**	**96.5**	**461**	**321**	**197**

NOTES:
Exceedances of Eco-SSL soil criteria are bold and shaded.
ESC = Ecological Screening Criteria (see Section 3.3)
mg/kg = milligrams per kilogram
ND = Not Detected
NAV = No available value

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3420.01 B01 (6-12") 3/19/1998	3420.03 B02 (6-12") 3/19/1998	3420.05 B03 (6-12") 3/19/1998	3420.07 B04 (6-12") 3/19/1998	3420.09 B05 (6-12") 3/19/1998	3420.11 B06 (4-10") 3/19/1998	3420.13 B07 (6-12") 3/19/1998	3420.15 B08 (6-12") 3/19/1998	3420.17 B09 (6-12") 3/19/1998	3424.02 B10 (6-12") 3/20/1998
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	0.083J	ND	ND	ND	ND	0.077J	1.1D	0.074J	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	0.61D	0.093J	ND
Acenaphthylene	682	ND	0.087J	0.11J	ND	ND	ND	0.21	0.32D	0.081J	ND
Anthracene	1,480	ND	ND	0.094J	ND	ND	ND	0.12J	1.2D	0.19	ND
Benzo[a]anthracene	5.21	0.19	0.27	0.39	ND	0.11J	0.21JD	0.47	3.D	0.64	0.13
Benzo[a]pyrene	1.52	0.21	0.29	0.46	ND	0.12	0.23JD	0.56	**2.6D**	0.74	0.23
Benzo[b]fluoranthene	59.8	0.1J	0.17	0.32	ND	0.066J	0.18JD	0.45	1.5D	0.91	0.16
Benzo[g,h,I]perylene	119	0.095J	0.19	0.25	ND	0.078J	0.13JD	0.29	1.3D	0.34	0.18
Benzo[k]fluoranthene	148	0.2	0.28	0.29	ND	0.14	0.21JD	0.38	2.8D	0.65	0.3
bis(2-Ethylhexyl)phthalate	0.925	0.17B	0.2B	0.088JB	ND	0.13JB	0.14JBD	0.088JB	0.14JBD	0.15JB	0.098JB
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	0.28	0.5	0.8	ND	0.18	0.34D	1.1	4.3D	1.1	0.26
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	0.56D	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	4.3B	6.5B	2.3B	7.3BD	3.4B	11.BD	3.B	1.9BD	0.5JB	0.17JB
Fluoranthene	122	0.42	0.46	0.73	ND	0.21	0.32D	0.99	6.4D	1.6	0.16
Fluorene	122	ND	ND	0.072J	ND	ND	ND	0.096J	1.8D	0.098J	ND
Indeno[1,2,3-cd]pyrene	109	0.12	0.19	0.25	ND	ND	0.13JD	0.31	1.2D	0.37	0.16
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	**0.14J**	**1.2D**	**0.11J**	ND
n-Nitrosodiphenylamine	0.545	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	0.2	0.46	0.65	ND	0.14	0.19JD	0.85	9.D	1.1	0.15
Pyrene	78.5	0.3	0.5	0.75	ND	0.14	0.29D	1.0	5.9D	1.1	0.16
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	0.004	0.09	0.115	0.008	0.055	0.088	0.311	0.736	0.364	0.255
4,4'-DDE	0.596	0.009	0.069	0.074	0.014	0.028	0.07	0.075	0.541	0.307	0.265
4,4'-DDT	0.0035	**0.035**	**0.223**	**0.202**	**0.081**	**0.084**	**0.306**	**0.113**	**0.5**	**0.271**	**0.203**
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See Notes at end of Table

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3420.01 B01 (6-12") 3/19/1998	3420.03 B02 (6-12") 3/19/1998	3420.05 B03 (6-12") 3/19/1998	3420.07 B04 (6-12") 3/19/1998	3420.09 B05 (6-12") 3/19/1998	3420.11 B06 (4-10") 3/19/1998	3420.13 B07 (6-12") 3/19/1998	3420.15 B08 (6-12") 3/19/1998	3420.17 B09 (6-12") 3/19/1998	3424.02 B10 (6-12") 3/20/1998
Metals (mg/kg)											
Aluminum	50	**5642**	**6919**	**12820**	**9691**	**5612**	**6598**	**8075**	**5616**	**12110**	**4508**
Antimony	0.27	**0.71**	**1.051**	**2.367**	**1.731**	**1.483**	**1.046**	**1.001**	**1.034**	**3.401**	**0.58**
Arsenic	9.9	5.558	**10.87**	**12.76**	**10.61**	**11.11**	**9.919**	**17.43**	6.688	**38.02**	7.287
Barium	283	26.94	35.36	49.88	60.55	85.09	44.48	74.22	**289.3**	60.36	54.95
Beryllium	10	0.535	0.461	1.18	0.555	0.664	0.4763	0.5101	0.6405	1.304	0.7108
Cadmium	0.36	**1.307**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	NAV	172.2	251.3	320.3	383.6	488.9	338.2	223.3	453	594.4	376.9
Chromium	0.4	**39.64**	**64.16**	**135.6**	**80.22**	**75.81**	**61.98**	**83.75**	**42.5**	**133.9**	**37.92**
Cobalt	13	1.599	1.463	1.435	1.243	1.208	1.372	1.415	1.515	1.896	5.776
Copper	28	6.895	**40.21**	18.34	**45.3**	**50.19**	**46.45**	**45.52**	**197.1**	**141.7**	**112**
Iron	NAV	14940	18570	37620	45290	23110	19700	27560	13090	41770	13640
Lead	11	**52.03**	**53.54**	**65.37**	**33.97**	**32.95**	**67.67**	**77.75**	**84.35**	**123.5**	**95.11**
Magnesium	NAV	1257	1477	4207	2117	2073	1905	1914	1314	3514	745.9
Manganese	220	51.87	17.21	21.31	25.55	16.93	22.75	22.02	35.4	32.09	24.13
Mercury	0.00051	**29.909**	**0.39**	**0.21**	**0.051**	**0.05**	**0.118**	**0.234**	**0.012**	**1.461**	**0.501**
Nickel	30	4.266	5.328	6.129	5.36	4.669	5.057	5.464	4.738	8.985	13.03
Potassium	NAV	3509	3656	8666	5885	6901	5405	5755	4024	7195	1989
Selenium	0.21	ND	**0.885**	ND	**0.429**	**1.159**	**0.709**	**1.033**	**0.394**	**1.374**	**0.589**
Silver	2	ND	1.571	1.699	ND	ND	ND	0.581	1.013	1.493	0.548
Sodium	NAV	24.61	207.6	91.26	574.1	411.4	376.3	646.7	229.5	139	196.5
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**22.45**	**32.82**	**65.1**	**58.32**	**29.18**	**31.03**	**40.81**	**30.22**	**54.67**	**21.2**
Zinc	8.5	**48.29**	**29.07**	**51.51**	**42.63**	**24.21**	**36.88**	**36.02**	**49.93**	**112.4**	**416.3**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3424.04 B11 (5-11") 3/20/1998	3424.06 B12 (6-12") 3/20/1998	3424.08 B13 (6-12") 3/20/1998	3424.10 B14 (3-9") 3/20/1998	3424.12 B15 (2-8") 3/20/1998	3424.14 B16 (2-8") 3/20/1998	3424.16 B17 (6-12") 3/20/1998	3424.18 B18 (3-9") 3/20/1998	3424.20 B19 (2-8") 3/20/1998	3425.02 B20 (6-12") 3/23/1998
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	0.21	ND	ND	ND	0.060J	ND	ND	ND	ND	ND
Acenaphthene	20	ND	0.073J	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	0.018J	ND	ND	ND	ND	ND
Anthracene	1,480	ND	0.11J	ND	ND	0.017J	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	0.22	ND	ND	0.063J	ND	ND	ND	ND	ND
Benzo[a]pyrene	1.52	ND	0.25	ND	ND	0.072J	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	59.8	ND	0.19	ND	ND	0.16	ND	ND	ND	ND	ND
Benzo[g,h,I]perylene	119	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	148	ND	0.19	ND	0.065J	0.18	ND	0.062J	ND	ND	0.057J
bis(2-Ethylhexyl)phthalate	0.925	0.067JB	0.090JB	0.085JB	0.073JB	0.23B	0.26B	0.35B	0.22B	0.31B	0.39B
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	0.065J	ND	ND	ND
Chrysene	4.73	0.095J	0.38	ND	0.096J	0.16	ND	0.074J	0.069J	ND	0.068J
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	0.021J	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	0.018J	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.34JB	0.39JB	0.37JB	0.32JB	0.61B	0.45JB	0.51JB	0.56B	0.33JB	0.34JB
Fluoranthene	122	0.096J	0.7	ND	0.11	0.14	0.084J	ND	ND	ND	0.072J
Fluorene	122	ND	0.058J	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	**0.28**	ND	ND	ND	0.051J	ND	ND	ND	ND	ND
n-Nitrosodiphenylamine	0.545	ND	ND	ND	ND	0.056J	ND	ND	ND	ND	ND
Phenanthrene	45.7	0.12	0.54	ND	0.057J	0.12	ND	ND	ND	ND	ND
Pyrene	78.5	0.079J	0.43	ND	0.080J	0.12	0.073J	ND	0.085J	0.064J	0.080J
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	0.028	0.052	0.397	0.024	0.139	0.012	0.003	0.044	0.015	0.072
4,4'-DDE	0.596	0.042	0.065	0.35	0.044	0.559	0.039	0.002	0.033	0.048	0.098
4,4'-DDT	0.0035	**0.078**	**0.154**	**0.504**	**0.067**	**0.481**	**0.035**	**0.006**	**0.011**	**0.036**	**0.194**
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3424.04 B11 (5-11") 3/20/1998	3424.06 B12 (6-12") 3/20/1998	3424.08 B13 (6-12") 3/20/1998	3424.10 B14 (3-9") 3/20/1998	3424.12 B15 (2-8") 3/20/1998	3424.14 B16 (2-8") 3/20/1998	3424.16 B17 (6-12") 3/20/1998	3424.18 B18 (3-9") 3/20/1998	3424.20 B19 (2-8") 3/20/1998	3425.02 B20 (6-12") 3/23/1998
Metals (mg/kg)											
Aluminum	50	**10700**	**5997**	**7942**	**2469**	**2620**	**4328**	**5798**	**1336**	**3624**	**4607**
Antimony	0.27	**2.641**	**1.738**	**2.273**	**0.467**	**0.345**	**1.02**	**1.526**	**0.319**	**1.34**	**0.947**
Arsenic	9.9	**12.19**	7.383	**13.66**	1.655	2.987	3.42	7.245	1.479	6.735	5.143
Barium	283	42.85	50.36	65.44	10.62	28.31	72.64	138.7	59.2	71.49	13.94
Beryllium	10	1.462	0.7754	0.9925	0.2271	0.2784	0.8532	0.512	0.1552	1.148	0.492
Cadmium	0.36	ND	ND	ND	0.0659	ND	**0.6784**	0.1049	0.1673	**0.7389**	ND
Calcium	NAV	333.2	205.5	360	81.68	650.6	2110	3422	1379	1033	494.4
Chromium	0.4	**168.8**	**90.86**	**124.6**	**24.03**	**7.636**	**31.38**	**7.333**	**2.01**	**32.18**	**60.39**
Cobalt	13	0.7841	0.5523	0.8438	0.3294	1.586	3.902	2.603	1.813	6.331	0.368
Copper	28	12.21	13.34	6.003	4.121	**81.92**	**31.96**	22.16	12.58	**182**	7.432
Iron	NAV	31460	16200	21030	4887	4008	6384	13410	1710	11100	11940
Lead	11	**11.72**	**16.93**	3.55	4.462	**21.63**	**75.93**	**83.68**	4.709	**149.2**	9.944
Magnesium	NAV	4609	2133	2946	456.8	286.1	326.9	311.6	165.3	832.9	1600
Manganese	220	10.6	9.861	7.919	5.807	13.92	29.19	36.44	10.51	37.97	5.166
Mercury	0.00051	**0.061**	**0.085**	**0.015**	**0.021**	**0.045**	**0.258**	**0.021**	**0.017**	**0.138**	**0.058**
Nickel	30	4.273	2.672	3.231	1.82	4.973	11.59	10.22	5.396	17.57	2.437
Potassium	NAV	10140	4544	6153	1171	530.5	595	464.3	176.6	1968	2931
Selenium	0.21	**0.505**	ND	ND	ND	**0.383**	**0.528**	**0.453**	**0.521**	**0.818**	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	124.1	71.27	72.53	30.94	136.2	228.9	249.3	170.6	141	36.77
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.502
Vanadium	2	**48**	**16.35**	**13.61**	**12.98**	**12.17**	**14.33**	**16.03**	**7.215**	**18.92**	**22.07**
Zinc	8.5	**48.45**	**34.98**	**54.28**	**12.55**	**15.35**	**55.18**	**70.97**	**59.54**	**619.7**	**35.67**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3425.04 B21 (3-9") 3/23/1998	3425.06 B22 (3-9") 3/23/1998	3425.08 B23 (3-9") 3/23/1998	3425.10 B24 (3-9") 3/23/1998	3425.12 B25 (6-12") 3/23/1998	3425.14 B26 (2-8") 3/23/1998	3425.16 B27 (4-10") 3/23/1998	3425.18 B28 (4-10") 3/23/1998	3425.20 B29 (6-12") 3/23/1998	3425.22 B30 (2-8") 3/23/1998
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	0.097J	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	0.48	ND	ND	ND	ND	ND
Anthracene	1,480	ND	ND	0.12	ND	0.54	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	0.088J	0.54	0.065J	1.9	ND	ND	ND	ND	0.097J
Benzo[a]pyrene	1.52	0.79J	0.080J	0.55	0.060J	**1.9**	ND	ND	ND	ND	0.11J
Benzo[b]fluoranthene	59.8	ND	0.060J	0.49	0.068J	1.1	ND	ND	ND	ND	0.091J
Benzo[g,h,I]perylene	119	ND	0.063J	0.34	ND	1.0	ND	ND	ND	ND	0.085J
Benzo[k]fluoranthene	148	ND	0.1J	0.42	0.081J	1.9	ND	ND	ND	ND	0.16
bis(2-Ethylhexyl)phthalate	0.925	0.77JB	0.11JB	0.19B	0.2B	0.055JB	0.089JB	0.093JB	0.11JB	0.15JB	0.11JB
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	0.74J	0.16	0.95	0.15J	3.2	0.099J	0.066J	ND	ND	0.33
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	0.62	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	1.1JB	0.3JB	0.14JB	0.13JB	0.099JB	0.12JB	0.14JB	0.13JB	0.14JB	1.6B
Fluoranthene	122	ND	0.17	1.2	0.12	3.7	0.067J	0.064J	ND	ND	0.21
Fluorene	122	ND	ND	0.068J	ND	0.25	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	0.33	ND	0.89	ND	ND	ND	ND	0.075J
Naphthalene	0.0994	ND	ND	ND	ND	0.082J	ND	ND	ND	ND	ND
n-Nitrosodiphenylamine	0.545	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	0.12	0.85	0.080J	2.1	0.070J	ND	ND	ND	0.15
Pyrene	78.5	0.75J	0.2	1.2	0.12	3.8	0.096J	0.068J	ND	ND	0.24
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	0.207	0.158	0.113	0.063	0.037	0.066	0.113	ND	ND	0.051
4,4'-DDE	0.596	0.232	0.317	0.109	0.066	0.041	0.171	0.044	ND	ND	0.273
4,4'-DDT	0.0035	**0.116**	**0.326**	**0.304**	**0.045**	**0.043**	**0.309**	**0.057**	ND	ND	**0.231**
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3425.04 B21 (3-9") 3/23/1998	3425.06 B22 (3-9") 3/23/1998	3425.08 B23 (3-9") 3/23/1998	3425.10 B24 (3-9") 3/23/1998	3425.12 B25 (6-12") 3/23/1998	3425.14 B26 (2-8") 3/23/1998	3425.16 B27 (4-10") 3/23/1998	3425.18 B28 (4-10") 3/23/1998	3425.20 B29 (6-12") 3/23/1998	3425.22 B30 (2-8") 3/23/1998
Metals (mg/kg)											
Aluminum	50	**3855**	**5241**	**8348**	**3407**	**4485**	**2628**	**8444**	**8185**	**7810**	**5413**
Antimony	0.27	**1.281**	**0.458**	**0.653**	**0.458**	**0.787**	**0.371**	**2.104**	**1.951**	**1.98**	**1.448**
Arsenic	9.9	4.345	4.688	5.923	2.446	6.348	1.722	**21.54**	**19.35**	**24.33**	**14.68**
Barium	283	29.9	15.92	42.62	18.26	31.35	7.015	14.1	13.03	9.416	70.55
Beryllium	10	0.3599	0.4215	0.8002	0.2194	0.3329	0.1691	0.9307	0.9068	0.9298	0.6609
Cadmium	0.36	**0.9103**	**1.677**	**0.549**	0.2835	**1.219**	ND	ND	ND	ND	0.1488
Calcium	NAV	320.3	3112	556	445.1	530.7	273.4	1138	2421	832.5	1231
Chromium	0.4	**59.63**	**12.92**	**41.83**	**19.37**	**31.53**	**17.93**	**125.1**	**131.8**	**123.9**	**67.89**
Cobalt	13	1.067	2.251	4.349	0.5124	0.9139	0.6978	0.7505	0.6415	0.8132	1.317
Copper	28	**502.4**	**35.26**	**80.43**	7.057	13.97	5.848	21.01	5.498	5.66	**47.89**
Iron	NAV	12300	6758	11120	4743	8822	4258	20310	21280	18960	16300
Lead	11	**404.4**	**22.43**	**149**	**13.96**	**33.86**	6.379	**18.9**	4.03	4.268	**56.31**
Magnesium	NAV	654	322.6	1102	555.1	689.6	440.2	2896	3065	3019	1883
Manganese	220	36.35	126.3	64.37	14.35	9.481	10.97	20.8	17.65	14.72	46.26
Mercury	0.00051	**0.493**	**0.683**	**0.092**	**0.031**	**0.16**	**0.02**	**0.013**	**0.013**	ND	**0.108**
Nickel	30	11.76	5.666	16.19	2.344	4.075	1.512	3.944	3.926	3.968	4.6
Potassium	NAV	1611	621.1	3165	1315	1472	711.2	5945	6312	6000	5250
Selenium	0.21	ND	ND	**0.952**	ND	**0.341**	ND	ND	ND	ND	ND
Silver	2	1.18	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	54.23	110.2	25.22	61.06	50.03	24.8	86.46	65.74	65.74	135
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**16.46**	**11.38**	**29.96**	**13.33**	**22.48**	**11.77**	**16.77**	**19.77**	**16.38**	**18.24**
Zinc	8.5	**753.8**	**910.2**	**195.6**	**38.34**	**120.4**	**26.73**	**45.95**	**27.66**	**28.3**	**65.28**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3428.02 B31 (2-8") 3/24/1998	3428.04 B32 (3-9") 3/24/1998	3428.06 B33 (3-9") 3/24/1998	3428.08 B34 (4-10") 3/24/1998	3428.10 B35 (3-9") 3/24/1998	3428.12 B36 (3-9") 3/24/1998	3428.14 B37 (3-9") 3/24/1998	3428.16 B38 (3-9") 3/24/1998	3428.18 B39 (3-9") 3/24/1998	3428.20 B40 (6-12") 3/24/1998
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	0.32	0.28	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	0.17J	0.16J	0.19J	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	0.69	0.70	0.45	0.2J	ND	ND	ND	ND	0.22
Benzo[a]pyrene	1.52	ND	0.83	0.84	0.51	0.25	ND	ND	ND	ND	0.30
Benzo[b]fluoranthene	59.8	ND	0.47	0.38	0.34	0.15J	ND	ND	ND	ND	0.21J
Benzo[g,h,I]perylene	119	ND	0.55	0.60	0.35	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	148	0.18J	0.58	0.75	0.59	0.25	ND	ND	0.17J	ND	0.33
bis(2-Ethylhexyl)phthalate	0.925	0.26JB	0.63B	0.36B	0.3JB	0.51B	0.26JB	0.32JB	0.41B	0.66B	0.34B
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	0.23J	1.3	1.4	0.91	0.45	ND	ND	0.23J	0.11J	0.53
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	0.12J	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	1.4B	4.3B	0.79JB	1.2B	1.6B	0.59JB	0.72JB	2.2B	0.66JB	1.5B
Fluoranthene	122	0.17J	0.72	0.80	1.1	0.32	ND	ND	0.16J	ND	0.39
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	0.39	0.47	0.32	0.16J	ND	ND	ND	ND	0.19J
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodiphenylamine	0.545	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	0.12J	0.70	0.58	0.80	0.17J	ND	ND	0.13J	ND	0.22
Pyrene	78.5	0.22J	1.3	1.5	1.1	0.44	ND	ND	0.18J	ND	0.47
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	0.039	0.019	0.03	0.026	0.076	0.005	ND	0.069	0.009	0.142
4,4'-DDE	0.596	0.136	0.107	0.141	0.066	0.166	0.059	0.014	0.164	0.044	0.211
4,4'-DDT	0.0035	**0.208**	**0.188**	**0.146**	**0.122**	**0.299**	**0.063**	**0.008**	**0.25**	**0.117**	**0.112**
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3428.02 B31 (2-8") 3/24/1998	3428.04 B32 (3-9") 3/24/1998	3428.06 B33 (3-9") 3/24/1998	3428.08 B34 (4-10") 3/24/1998	3428.10 B35 (3-9") 3/24/1998	3428.12 B36 (3-9") 3/24/1998	3428.14 B37 (3-9") 3/24/1998	3428.16 B38 (3-9") 3/24/1998	3428.18 B39 (3-9") 3/24/1998	3428.20 B40 (6-12") 3/24/1998
Metals (mg/kg)											
Aluminum	50	**4364**	**5564**	**11890**	**8151**	**6575**	**1855**	**3235**	**3410**	**3162**	**5132**
Antimony	0.27	**1.06**	**0.687**	**2.65**	**2.078**	**1.272**	**0.426**	**0.474**	**0.801**	**1.016**	**1.075**
Arsenic	9.9	**11.32**	8.863	**14.73**	**11.1**	**11.02**	1.315	3.544	**12.05**	9.484	**11.61**
Barium	283	61.24	46.39	45.66	48.79	40.17	5.639	45.59	128.7	17.24	71.02
Beryllium	10	0.5325	0.5311	1.329	0.8959	0.7196	0.127	0.8634	0.4662	0.3693	0.6631
Cadmium	0.36	0.1458	0.2347	0.1126	0.1174	0.3434	ND	**0.5593**	0.2638	**0.4148**	0.1471
Calcium	NAV	1396	1394	1671	2981	960.9	996.7	1143	1109	931.5	1317
Chromium	0.4	**54.13**	**43.96**	**142.8**	**127.6**	**72.95**	**23.75**	**5.249**	**29.69**	**27.07**	**63.37**
Cobalt	13	1.087	1.799	1.703	1.563	1.172	0.2485	4.283	2.585	3.301	1.679
Copper	28	20.64	**35.33**	25.16	**89.97**	23.25	24.37	26.39	**44.16**	**37.37**	23.91
Iron	NAV	13620	12970	31800	20940	18550	3564	1569	13290	16380	15810
Lead	11	**32.83**	**45.47**	**45.28**	**37.17**	**33.38**	3.324	**18.56**	**129.4**	**40.67**	**35.42**
Magnesium	NAV	1631	1474	4675	2802	2070	314.8	96.27	820.2	460.3	1663
Manganese	220	37.65	64.16	55.22	34.04	25.04	5.719	38.8	66.82	46.57	34.75
Mercury	0.00051	**0.076**	**0.073**	**0.102**	**0.077**	**0.082**	**0.031**	**0.084**	**0.212**	**0.054**	**0.1**
Nickel	30	3.909	7.046	7.272	5.997	5.129	1.095	11.74	6.638	10.18	5.603
Potassium	NAV	4738	3611	9811	5084	6139	424.6	265.2	2133	997.4	5385
Selenium	0.21	**0.45**	**0.683**	ND	ND	**0.49**	ND	ND	**1.126**	**1.046**	**1.198**
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	81.76	174	158.7	147.4	153.7	88.89	115.3	130.1	50.75	319.1
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**16.48**	**21.78**	**47.65**	**33.17**	**24.74**	**11.45**	**10.93**	**13.96**	**19.15**	**16.68**
Zinc	8.5	**54.9**	**57.21**	**79.91**	**59.09**	**58.7**	**9.468**	**181.7**	**84.81**	**157.7**	**58.14**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3428.22 B41 (6-12") 3/24/1998	3432.02 B42 (6-12") 3/25/1998	3432.04 B43 (6-12") 3/25/1998	3432.06 B44 (2-8") 3/25/1998	3432.08 B45 (3-9") 3/25/1998	3432.10 B46 (6-12") 3/25/1998	3432.12 B47 (5-11") 3/25/1998	3432.14 B48 (6-12") 3/25/1998	3432.16 B49 (3-9") 3/25/1998	3432.18 B50 (4-10") 3/25/1998
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	0.12J	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	0.13J	0.69	0.33	0.24	ND	ND	ND	ND	ND	ND
Benzo[a]pyrene	1.52	0.13J	1.0	0.35	**3.0**	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	59.8	0.11J	0.84	0.47	0.16J	ND	ND	0.12J	ND	ND	ND
Benzo[g,h,I]perylene	119	ND	0.55	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	148	0.21	0.99	0.67	0.35	0.16J	ND	0.14J	ND	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	0.35B	0.26JB	0.42B	0.14JB	0.17JB	0.22JB	0.15JB	0.17JB	ND	0.19JB
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	0.38	1.8	0.82	0.53	ND	ND	ND	0.15J	ND	0.18J
Dibenz[a,h]anthracene	18.4	ND	0.39	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	0.14J	ND	ND
Di-n-butylphthalate	200	0.67JB	0.56JB	1.4B	1.2B	1.2B	1.1B	2.1B	2.0B	0.4JB	0.96JB
Fluoranthene	122	0.23	1.6	0.29	0.58	0.18J	ND	0.21J	0.14J	ND	0.16J
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	0.56	ND	0.19J	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodiphenylamine	0.545	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	0.22	0.72	ND	0.32	0.2J	ND	0.17J	ND	ND	ND
Pyrene	78.5	0.30	1.5	0.29	0.53	0.26J	ND	0.23J	0.14J	ND	0.16J
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	0.133	0.05	0.059	0.022	0.041	0.035	0.033	0.035	0.073	0.089
4,4'-DDE	0.596	0.456	0.111	0.098	0.186	0.275	0.09	0.128	0.086	0.14	0.234
4,4'-DDT	0.0035	**0.176**	**0.176**	**0.312**	**0.225**	**0.467**	**0.18**	**0.138**	**0.27**	**0.461**	**0.485**
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3428.22 B41 (6-12") 3/24/1998	3432.02 B42 (6-12") 3/25/1998	3432.04 B43 (6-12") 3/25/1998	3432.06 B44 (2-8") 3/25/1998	3432.08 B45 (3-9") 3/25/1998	3432.10 B46 (6-12") 3/25/1998	3432.12 B47 (5-11") 3/25/1998	3432.14 B48 (6-12") 3/25/1998	3432.16 B49 (3-9") 3/25/1998	3432.18 B50 (4-10") 3/25/1998
Metals (mg/kg)											
Aluminum	50	**6090**	**5180**	**10420**	**8551**	**1757**	**4696**	**3458**	**8286**	**3854**	**5679**
Antimony	0.27	**1.38**	**0.69**	**2.23**	**0.696**	**5.67**	**0.979**	**0.451**	**0.969**	**0.565**	**0.618**
Arsenic	9.9	**9.922**	**11.23**	**16.21**	**10**	4.379	8.333	4.976	8.409	8.337	7.217
Barium	283	84.03	49.63	54.09	49.56	28.44	82.1	34.5	26.35	35.95	21.4
Beryllium	10	0.6972	1.5599	1.267	0.5654	0.18	0.6231	0.3267	0.7705	0.4051	0.5608
Cadmium	0.36	**0.8425**	0.1605	ND	0.2881	0.1212	0.1333	0.2149	ND	0.0833	ND
Calcium	NAV	1478	1111	1687	1054	475.2	810.8	529.5	753.4	1062	640.5
Chromium	0.4	**56.51**	**46.02**	**134**	**37.94**	**10.56**	**43.98**	**18.74**	**61.33**	**37.89**	**35.65**
Cobalt	13	1.863	1.767	1.629	2.152	0.9717	2.176	1.182	1.755	0.9757	2.081
Copper	28	**58.75**	**61.41**	25.73	**39.89**	9.757	**41.31**	19.19	12.98	8.154	10.21
Iron	NAV	16560	16950	29340	14440	3999	12530	7228	18920	11470	14250
Lead	11	**82.95**	**49.1**	**37.93**	**54.89**	**28.98**	**28.24**	**56.02**	**36.42**	**18.73**	**27.98**
Magnesium	NAV	1584	1388	4127	1113	286.6	1346	619.9	2045	1166	1031
Manganese	220	50.74	49.29	41.07	60.75	17.01	27.42	26.87	37.7	21.86	49.01
Mercury	0.00051	**0.136**	**0.113**	**0.078**	**0.095**	**0.113**	**0.102**	**0.14**	**0.166**	**0.087**	**0.057**
Nickel	30	10.42	6.326	6.554	6.718	4.667	6.517	3.272	5.857	3.606	4.805
Potassium	NAV	4839	3470	9093	2890	307.1	3777	1120	6228	3119	2451
Selenium	0.21	ND	ND	ND	**0.334**	ND	**0.777**	ND	ND	ND	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	105.6	61.41	162.2	94.87	52.82	123.6	67.61	124.6	43.61	32.32
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**25.89**	**19.26**	**43.12**	**16.99**	**8.171**	**18.76**	**11.81**	**33.25**	**12.98**	**21.22**
Zinc	8.5	**129.7**	**68.39**	**78.77**	**87.89**	**35.31**	**40.08**	**44.42**	**50.77**	**42.09**	**45.21**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3432.20 B51 (3-9") 3/25/1998	4748.02 B52 (6-12") 8/26/1999	4748.04 B53 (4-10") 8/26/1999	4748.06 B54 (2-8") 8/26/1999	4748.08 B55 (6-12") 8/26/1999	4748.10 B56 (6-12") 8/26/1999	4748.12 B57 (6-12") 8/26/1999	4748.14 B58 (4-11") 8/26/1999	4748.16 B59 (3-9") 8/26/1999	4748.18 B60 (6-12") 8/26/1999
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	0.12J	ND	0.39J	ND	0.2J	ND	ND	0.15J	ND
Benzo[a]pyrene	1.52	ND	ND	ND	0.32J	ND	0.25J	ND	ND	0.13J	ND
Benzo[b]fluoranthene	59.8	ND	ND	ND	0.5J	ND	0.35J	ND	ND	0.2J	ND
Benzo[g,h,I]perylene	119	ND	ND	ND	0.22J	ND	0.17J	ND	ND	ND	ND
Benzo[k]fluoranthene	148	ND	ND	ND	0.38J	ND	0.25J	ND	ND	0.15J	ND
bis(2-Ethylhexyl)phthalate	0.925	0.44B	0.21JB	0.19JB	0.22JB	0.23JB	0.13JB	0.19JB	0.19JB	0.25JB	0.19JB
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	0.12J	0.13J	ND	0.59J	0.12J	0.3J	ND	ND	0.23J	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.36JB	0.49JB	1.1JB	1.1JB	1.1JB	0.32JB	1.1JB	1.6B	0.51JB	0.8JB
Fluoranthene	122	ND	0.28J	0.12J	0.92J	0.18J	0.33J	ND	ND	0.26J	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	0.22J	ND	0.15J	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodiphenylamine	0.545	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	0.15J	ND	0.33J	ND	0.14J	ND	ND	0.12J	ND
Pyrene	78.5	ND	0.23J	ND	0.79J	0.16J	0.32J	ND	ND	0.24J	ND
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	0.008	ND	0.05	**0.781**	0.026	0.714	ND	0.003	0.028	ND
4,4'-DDE	0.596	0.044	0.005	0.037	0.264	0.05	0.56	0.002	0.006	0.252	0.004
4,4'-DDT	0.0035	**0.055**	**0.011**	**0.112**	**0.28**	**0.046**	**0.097**	**0.004**	**0.023**	**0.499**	0.003
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	3432.20 B51 (3-9") 3/25/1998	4748.02 B52 (6-12") 8/26/1999	4748.04 B53 (4-10") 8/26/1999	4748.06 B54 (2-8") 8/26/1999	4748.08 B55 (6-12") 8/26/1999	4748.10 B56 (6-12") 8/26/1999	4748.12 B57 (6-12") 8/26/1999	4748.14 B58 (4-11") 8/26/1999	4748.16 B59 (3-9") 8/26/1999	4748.18 B60 (6-12") 8/26/1999
Metals (mg/kg)											
Aluminum	50	**6382**	**20800**	**15300**	**19000**	**11500**	**7960**	**11600**	**13500**	**8210**	**14000**
Antimony	0.27	**0.707**	ND	ND	**1.12**	ND	**3.53**	ND	ND	ND	ND
Arsenic	9.9	9.589	**27.2**	**19.1**	**46.9**	**19.5**	7.64	**20.5**	**22.6**	**12.7**	5.53
Barium	283	29.13	26.9	35.2	27.6	39.4	38.6	7.42	5.25	40.9	21.8
Beryllium	10	0.6929	2.65	2.14	2.35	0.753	0.623	1.55	1.76	0.513	0.379
Cadmium	0.36	ND	**2.43**	**1.96**	**2.7**	**0.868**	**0.94**	**1.19**	**1.22**	**0.816**	0.242
Calcium	NAV	1341	1130	2270	1020	598	1200	260	931	364	190
Chromium	0.4	**48.86**	**333**	**237**	**293**	**84.3**	**60.4**	**187**	**200**	**48.5**	**21.9**
Cobalt	13	1.857	1.17	1.08	1.2	1.53	2.23	0.641	0.493	3.32	2.5
Copper	28	**30.46**	23.3	20.5	24.2	**33.6**	13.6	4.81	5.68	7.01	1.39
Iron	NAV	17640	68500	53200	67000	26000	20200	37500	37700	24100	14300
Lead	11	**28.4**	**38.8**	**16**	**61.5**	**41.7**	**34.6**	6.53	5.24	**23.1**	7.33
Magnesium	NAV	1523	10800	7670	9040	2510	1330	4420	5510	703	855
Manganese	220	45.29	35.1	28.6	28	26.4	24.5	21.4	15	55.3	38.6
Mercury	0.00051	**0.102**	**0.077**	**0.132**	**0.051**	**0.151**	**0.226**	ND	ND	**0.117**	**0.023**
Nickel	30	5.213	7.81	7.18	9.4	7.84	7.38	6.28	4.51	9.49	7.05
Potassium	NAV	4066	24100	18400	21100	4420	2980	10200	12600	1480	618
Selenium	0.21	ND	1.42	**1.74**	**2.23**	**1.77**	ND	**2.46**	**1.33**	**1.9**	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	37.33	165	325	154	187	97.1	76.3	180	83.2	94.3
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**23.79**	**125**	**83.5**	**120**	**55.1**	**55.2**	**72.5**	**81.6**	**65.5**	**29.2**
Zinc	8.5	**69.75**	**87.7**	**82.3**	**114**	**48.7**	**103**	**43.5**	**38.5**	**41.6**	**33.1**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4748.20 B61 (4-10") 8/26/1999	4754.02 B63 (5-11") 8/27/1999	4754.04 B64 (6-12") 8/27/1999	4754.06 B65 (5-11") 8/27/1999	4754.08 B66 (5-11") 8/27/1999	4754.10 B67 (6-12") 8/27/1999	4754.12 B68 (5-11") 8/27/1999	4754.14 B69 (5-11") 8/27/1999	4754.16 B70 (0-6") 8/27/1999	4754.18 B71 (5-11") 8/27/1999
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.52J
Benzo[a]anthracene	5.21	ND	0.15J	0.58J	ND	ND	ND	ND	ND	ND	1.4
Benzo[a]pyrene	1.52	ND	0.13J	0.49J	ND	ND	ND	ND	ND	ND	1.3
Benzo[b]fluoranthene	59.8	ND	0.13J	0.51J	ND	ND	ND	ND	ND	ND	1.2
Benzo[g,h,I]perylene	119	ND	ND	0.24J	ND	ND	ND	ND	ND	ND	0.61J
Benzo[k]fluoranthene	148	ND	0.12J	0.39J	ND	ND	ND	ND	ND	ND	1.1
bis(2-Ethylhexyl)phthalate	0.925	0.26JB	0.4JB	0.14JB	0.24JB	0.12JB	0.15JB	0.2JB	0.12JB	0.19JB	0.29JB
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	ND	0.16J	0.78J	ND	ND	ND	0.12J	ND	ND	1.4
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.18J
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	0.2J	0.14J	ND	ND	ND	ND
Di-n-butylphthalate	200	1.8B	2.2B	0.97JB	1.1JB	0.28JB	0.29JB	0.72JB	0.84JB	1.3B	0.46JB
Fluoranthene	122	ND	0.31J	0.72J	ND	ND	ND	0.13J	ND	ND	3.4
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	0.21J	ND	ND	ND	ND	ND	ND	0.62J
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodiphenylamine	0.545	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.8
Pyrene	78.5	ND	0.26J	1.0J	ND	ND	ND	0.14J	ND	ND	2.5
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	0.001	0.024	ND	0.003	0.009	**0.961**	ND	ND	0.025	ND
4,4'-DDE	0.596	0.002	0.048	ND	0.013	0.009	0.21	ND	0.003	0.064	0.005
4,4'-DDT	0.0035	ND	**0.015**	0.003	**0.174**	**0.011**	**0.08**	ND	0.002	**0.33**	**0.008**
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4748.20 B61 (4-10") 8/26/1999	4754.02 B63 (5-11") 8/27/1999	4754.04 B64 (6-12") 8/27/1999	4754.06 B65 (5-11") 8/27/1999	4754.08 B66 (5-11") 8/27/1999	4754.10 B67 (6-12") 8/27/1999	4754.12 B68 (5-11") 8/27/1999	4754.14 B69 (5-11") 8/27/1999	4754.16 B70 (0-6") 8/27/1999	4754.18 B71 (5-11") 8/27/1999
Metals (mg/kg)											
Aluminum	50	**4480**	**13600**	**18700**	**15700**	**19100**	**11700**	**11700**	**4900**	**17400**	**20200**
Antimony	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	9.9	4.05	**12.6**	**51.3**	**29.4**	**24.4**	**14.1**	6.95	4.79	**22.3**	**24.2**
Barium	283	6.32	74	25.3	6.35	15	38.2	17.7	9.32	29.3	22.9
Beryllium	10	0.33	1.95	2.14	2.18	2.19	0.962	1.23	0.361	2.13	1.91
Cadmium	0.36	**0.564**	**1.36**	0.339	**0.385**	**0.42**	0.36	0.308	0.281	**0.557**	0.257
Calcium	NAV	88.7	5780	555	290	447	2590	840	105	997	694
Chromium	0.4	**39.1**	**215**	**251**	**256**	**266**	**91.4**	**114**	**40.4**	**258**	**239**
Cobalt	13	1.27	2.03	1.3	0.874	1.36	2.38	1.87	1.32	1.4	1.14
Copper	28	ND	15.9	24.4	12.2	12	14.9	4.94	4.48	12.8	14.7
Iron	NAV	12400	48800	50900	49900	54000	28600	38200	14200	58200	48000
Lead	11	2.97	7.58	**16.1**	4.73	7.94	7.56	4.98	2.86	**17.5**	**45.5**
Magnesium	NAV	785	6900	7490	7580	8040	3340	4400	839	8190	7280
Manganese	220	28.6	52.5	37.6	19.6	36.7	55.7	41.7	27.2	27.6	41.3
Mercury	0.00051	**0.021**	ND	**0.084**	ND	ND	**0.028**	ND	ND	**0.026**	ND
Nickel	30	2.71	17.6	6.65	6.47	5.95	6.75	5.61	2.58	7.59	5.77
Potassium	NAV	1520	16200	16700	17300	18000	6420	10600	1900	18800	16100
Selenium	0.21	ND	**1.53**	**0.886**	ND	**0.848**	**0.882**	ND	ND	**0.766**	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	56	279	228	191	367	151	150	174	171	166
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**36.3**	**71.6**	**118**	**112**	**123**	**57.2**	**64.2**	**37.3**	**106**	**112**
Zinc	8.5	**16.8**	**77.3**	**59.8**	**48.9**	**83.4**	**49.3**	**35**	**16.4**	**77**	**69.5**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4754.20 B72 (7-13") 8/27/1999	4754.22 B73 (6-12") 8/27/1999	4760.02 B74 (6-12") 8/30/1999	4760.04 B75 (6-12") 8/30/1999	4760.06 B76 (3-9") 8/30/1999	4760.08 B77 (6-12") 8/30/1999	4760.10 B78 (6-12") 8/30/1999	4760.12 B79 (3-9") 8/30/1999	4760.14 B80 (6-12") 8/30/1999	4760.16 B81 (6-12") 8/30/1999
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	ND	ND	0.4J	0.23J	ND	ND	0.14J	ND	ND
Benzo[a]pyrene	1.52	ND	ND	ND	0.39J	0.3J	ND	ND	0.14J	ND	ND
Benzo[b]fluoranthene	59.8	ND	ND	ND	0.42J	0.32J	ND	ND	0.14J	ND	ND
Benzo[g,h,I]perylene	119	ND	ND	ND	0.23J	0.17J	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	148	ND	ND	ND	0.43J	0.32J	ND	ND	0.13J	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	0.16JB	0.11JB	0.23JB	0.26JB	0.22JB	0.18JB	0.23JB	0.23JB	0.19JB	0.22JB
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	ND	ND	ND	0.5J	0.3J	ND	ND	0.21J	ND	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	0.12J	ND	0.14J	ND	0.15J
Di-n-butylphthalate	200	0.94JB	0.67JB	0.34JB	1.3B	0.24JB	0.23JB	1.JB	0.26JB	0.44JB	1.JB
Fluoranthene	122	ND	0.12J	ND	0.82J	0.23J	ND	ND	0.31J	ND	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	0.23J	0.17J	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodiphenylamine	0.545	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	ND	0.45J	ND	ND	ND	0.21J	ND	ND
Pyrene	78.5	ND	0.12J	ND	0.71J	0.26J	ND	ND	0.3J	ND	ND
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	ND	**1.766**	0.012	0.689	0.115	ND	ND	0.23	ND	0.414
4,4'-DDE	0.596	ND	0.166	0.039	0.491	0.137	ND	0.001	0.097	ND	**0.751**
4,4'-DDT	0.0035	ND	**0.2**	**0.085**	**0.156**	**0.246**	0.003	0.003	**0.054**	ND	**1.98**
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.063
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.11

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4754.20 B72 (7-13") 8/27/1999	4754.22 B73 (6-12") 8/27/1999	4760.02 B74 (6-12") 8/30/1999	4760.04 B75 (6-12") 8/30/1999	4760.06 B76 (3-9") 8/30/1999	4760.08 B77 (6-12") 8/30/1999	4760.10 B78 (6-12") 8/30/1999	4760.12 B79 (3-9") 8/30/1999	4760.14 B80 (6-12") 8/30/1999	4760.16 B81 (6-12") 8/30/1999
Metals (mg/kg)											
Aluminum	50	**20100**	**10400**	**15100**	**16400**	**11600**	**21600**	**13700**	**14300**	**9650**	**11700**
Antimony	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	9.9	**43.3**	**10**	**16**	**21.8**	9.59	**28.6**	**27.1**	**13.4**	**16.4**	**16.8**
Barium	283	11.3	66.1	29.1	32	47.4	18.2	17.1	41.7	17.7	16.7
Beryllium	10	2.71	0.738	1.42	1.85	1.15	2.63	1.86	1.47	0.64	1.41
Cadmium	0.36	**0.612**	0.272	0.336	**0.42**	0.33	**0.831**	**0.458**	**0.385**	0.257	**0.612**
Calcium	NAV	481	439	752	599	750	702	482	629	941	635
Chromium	0.4	**314**	**55.6**	**171**	**221**	**134**	**330**	**208**	**143**	**74.8**	**149**
Cobalt	13	1.17	3.33	1.61	1.3	1.47	1.25	0.697	2.33	1.55	1.4
Copper	28	5.72	22	4.34	14.9	12.4	24.5	15.1	1.92	21.8	**30.9**
Iron	NAV	67600	24900	36800	52000	35300	71100	44200	42000	17800	35100
Lead	11	**13.2**	**34.3**	**16**	**25**	**15.1**	**32.3**	**15**	7.38	**33.8**	**41.3**
Magnesium	NAV	9930	1490	5110	6960	3980	9920	5670	4990	2270	4300
Manganese	220	24	22.8	39.8	27.7	25.1	28	23.7	28.1	30.1	29.3
Mercury	0.00051	**0.037**	**0.286**	ND	ND	**0.036**	ND	ND	ND	ND	ND
Nickel	30	7.06	10.4	5.19	6.37	5.19	7.82	5.54	6.01	7.09	6.91
Potassium	NAV	23200	3900	10800	16000	9700	23400	13500	11500	3820	9980
Selenium	0.21	ND	**1.43**	ND	ND	ND	ND	ND	ND	ND	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	156	199	471	126	127	662	86.3	218	109	116
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**125**	**42.3**	**84**	**98**	**64.5**	**125**	**69.8**	**77.5**	**34**	**59.2**
Zinc	8.5	**61.4**	**61.7**	**49.9**	**54.4**	**42.3**	**84.1**	**51.3**	**43.6**	**76**	**85.2**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4760.18 B82 (6-12") 8/30/1999	4760.20 B83 (6-12") 8/30/1999	4760.22 B84 (6-12") 8/30/1999	4760.24 B85 (4-10") 8/30/1999	4760.26 B86 (6-12") 8/30/1999	4760.28 B87 (5-11") 8/30/1999	4760.30 B88 (5-11") 8/30/1999	4762.02 B89 (3-9") 8/31/1999	4762.04 B90 (6-12") 8/31/1999	4762.06 B91 (4-10") 8/31/1999
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	ND	ND	ND	ND	ND	0.12J	ND	ND	ND
Benzo[a]pyrene	1.52	ND	ND	ND	ND	ND	ND	0.13J	ND	ND	ND
Benzo[b]fluoranthene	59.8	ND	ND	ND	ND	ND	ND	0.16J	ND	ND	ND
Benzo[g,h,I]perylene	119	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	148	ND	ND	ND	ND	ND	ND	0.13J	ND	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	0.2JB	3.1B	0.26JB	0.2JB	0.19JB	0.25JB	0.15JB	0.24JB	0.59JB	0.21JB
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	ND	ND	ND	ND	ND	ND	0.19J	ND	ND	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	0.24J	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.86JB	1.2B	2.2B	1.3B	1.6B	0.31JB	0.68JB	0.35JB	0.25JB	0.36JB
Fluoranthene	122	0.13J	ND	ND	ND	ND	ND	0.28J	ND	ND	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodiphenylamine	0.545	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	ND	ND	ND	ND	0.2J	ND	ND	ND
Pyrene	78.5	0.13J	ND	ND	ND	ND	ND	0.27J	ND	ND	ND
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	0.28	ND	0.005	0.1	ND	ND	0.659	0.111	0.022	0.048
4,4'-DDE	0.596	0.181	0.003	0.017	0.061	ND	ND	0.28	0.103	0.004	0.016
4,4'-DDT	0.0035	**0.124**	**0.01**	**0.076**	**0.043**	ND	ND	**0.077**	**0.125**	0.003	**0.015**
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4760.18 B82 (6-12") 8/30/1999	4760.20 B83 (6-12") 8/30/1999	4760.22 B84 (6-12") 8/30/1999	4760.24 B85 (4-10") 8/30/1999	4760.26 B86 (6-12") 8/30/1999	4760.28 B87 (5-11") 8/30/1999	4760.30 B88 (5-11") 8/30/1999	4762.02 B89 (3-9") 8/31/1999	4762.04 B90 (6-12") 8/31/1999	4762.06 B91 (4-10") 8/31/1999
Metals (mg/kg)											
Aluminum	50	**9940**	**17900**	**18600**	**12500**	**17800**	**17000**	**15100**	**14100**	**8780**	**12400**
Antimony	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	9.9	**13.1**	**40.4**	**21.7**	**8.21**	**21.2**	**40.7**	**18.8**	**25.3**	**7.51**	9.26
Barium	283	84.2	10.5	15	57.3	15.1	83	32.5	53	22.8	47.9
Beryllium	10	1.38	2.36	2.15	1.19	2.02	2.05	1.74	1.06	0.632	0.931
Cadmium	0.36	**0.483**	**0.646**	**0.667**	0.242	**0.378**	**0.527**	**0.52**	**0.608**	**0.538**	0.192
Calcium	NAV	1690	624	735	655	484	1050	1180	2050	612	349
Chromium	0.4	**152**	**274**	**259**	**66.6**	**240**	**242**	**191**	**94.8**	**69.7**	**95.8**
Cobalt	13	1.1	1.02	1.14	7.25	1.09	1.89	1.34	2.66	2.25	1.83
Copper	28	8.95	16.3	24.5	**35.2**	13.1	24.5	15.3	16.1	8.91	21.4
Iron	NAV	37600	57700	53900	19100	46200	52700	44600	32100	21200	26400
Lead	11	**14.7**	8.58	**18.6**	**58.8**	6.57	**35.7**	**32.1**	**56.9**	**35.7**	**37.6**
Magnesium	NAV	4260	8130	7620	1610	6920	6780	5790	2850	1730	2920
Manganese	220	22.9	21.5	30.4	39.4	31	49.2	71.6	40.9	38.8	24.4
Mercury	0.00051	**0.034**	ND	**0.051**	**0.09**	ND	**0.059**	**0.084**	**0.261**	**0.062**	**0.05**
Nickel	30	5.03	6.26	7.73	21.3	5.26	7.88	6.31	8.46	5.58	5.75
Potassium	NAV	10500	19100	17800	3980	15800	15300	13400	6530	3840	6750
Selenium	0.21	**1**	ND	ND	**1.17**	ND	ND	ND	ND	ND	ND
Silver	2	ND	ND	ND	ND	ND	ND	1.09	ND	ND	ND
Sodium	NAV	130	96.5	145	242	142	185	117	167	126	215
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**66.7**	**115**	**113**	**44.3**	**113**	**105**	**80.5**	**57.5**	**44.4**	**50.7**
Zinc	8.5	**52.5**	**56.4**	**76.7**	**47**	**49**	**120**	**115**	**37.1**	**82.6**	**47.9**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4762.08 B92 (6-12") 8/31/1999	4762.10 B93 (2-8") 8/31/1999	4762.12 B94 (4-10") 8/31/1999	4762.14 B95 (6-12") 8/31/1999	4762.16 B96 (6-12") 8/31/1999	4762.18 B97 (6-12") 8/31/1999	4762.20 B98 (3-9") 8/31/1999	4762.22 B99 (4-10") 8/31/1999	4762.24 B100 (6-12") 8/31/1999	4762.26 B101 (6-12") 8/31/1999
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	0.24J	ND	ND	ND	0.29J	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	0.36J	ND	ND	0.62J	0.21J	ND	0.11J	ND	ND
Benzo[a]pyrene	1.52	ND	0.38J	ND	ND	0.37J	0.26J	ND	0.12J	ND	ND
Benzo[b]fluoranthene	59.8	ND	0.34J	ND	ND	0.64J	0.31J	ND	0.25J	0.15J	ND
Benzo[g,h,I]perylene	119	ND	0.2J	ND	ND	0.16J	0.19J	ND	ND	ND	ND
Benzo[k]fluoranthene	148	ND	0.29J	ND	ND	0.66J	0.23J	ND	0.16J	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	0.27JB	0.22JB	0.2JB	0.2JB	0.28JB	0.26JB	0.19JB	0.25JB	0.23JB	0.23JB
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	ND	0.47J	ND	ND	1.1J	0.27J	0.13J	0.23J	ND	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	0.13J	ND	0.32J	0.4J	0.23J	0.14J	0.23J	0.14J	0.12J
Di-n-butylphthalate	200	0.84JB	0.29JB	0.28JB	0.87JB	0.8JB	1.1JB	0.79JB	1.5B	0.26JB	1.1JB
Fluoranthene	122	ND	0.34J	ND	ND	1.3	0.29J	0.12J	0.17J	ND	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	0.16J	ND	ND	0.17J	0.19J	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	**0.17J**	ND	ND	ND	**0.23J**	ND
n-Nitrosodiphenylamine	0.545	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	ND	ND	0.35J	ND	ND	ND	0.14J	ND
Pyrene	78.5	ND	0.5J	ND	ND	1.1J	0.32J	0.19J	0.18J	ND	ND
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	0.002	ND	0.01	0.124	**1.165**	ND	0.069	0.006	0.011	ND
4,4'-DDE	0.596	0.003	ND	0.008	0.087	0.492	0.003	0.045	0.021	0.012	ND
4,4'-DDT	0.0035	**0.006**	ND	0.002	**0.157**	**0.699**	**0.014**	**0.148**	**0.006**	**0.007**	ND
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	0.002	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4762.08 B92 (6-12") 8/31/1999	4762.10 B93 (2-8") 8/31/1999	4762.12 B94 (4-10") 8/31/1999	4762.14 B95 (6-12") 8/31/1999	4762.16 B96 (6-12") 8/31/1999	4762.18 B97 (6-12") 8/31/1999	4762.20 B98 (3-9") 8/31/1999	4762.22 B99 (4-10") 8/31/1999	4762.24 B100 (6-12") 8/31/1999	4762.26 B101 (6-12") 8/31/1999
Metals (mg/kg)											
Aluminum	50	**17400**	**19100**	**19700**	**15900**	**12900**	**15100**	**12900**	**14900**	**16800**	**21800**
Antimony	0.27	ND	ND	ND	ND	**1.88**	ND	ND	ND	ND	**0.455**
Arsenic	9.9	**31.0**	**26.5**	**21.5**	**20.1**	**14.5**	**15.5**	9.72	**11.3**	**20.6**	**21.7**
Barium	283	17.6	15.2	81.5	40.1	53.1	25.5	27.8	42.5	29.7	31.4
Beryllium	10	1.47	2.32	1.91	1.49	0.907	1.1	1.03	1.51	1.8	1.73
Cadmium	0.36	0.244	**0.784**	**0.693**	**0.965**	**0.648**	0.281	0.295	0.336	**0.522**	0.331
Calcium	NAV	525	1140	1590	1430	1120	647	583	762	842	736
Chromium	0.4	**187**	**273**	**221**	**170**	**101**	**124**	**129**	**84.7**	**206**	**210**
Cobalt	13	1.45	1.06	1.76	2.2	2.91	2.41	1.92	2.56	2.35	1.58
Copper	28	17.7	17.7	**138**	**88.6**	**181**	4.44	4.51	3.31	14.2	16.4
Iron	NAV	38500	54700	46200	39600	25600	39400	29000	35600	45500	39000
Lead	11	**17.3**	10.8	**209**	**50.4**	**79.5**	**11.3**	**18.3**	**11.6**	**22.9**	**28.3**
Magnesium	NAV	5100	8130	6580	5150	2950	2880	3060	3530	5950	5690
Manganese	220	47.2	22.8	80	53.5	123	31.9	31.7	80	25.5	55.6
Mercury	0.00051	**0.051**	**0.063**	**0.064**	**0.099**	**0.162**	**0.094**	**0.243**	**0.084**	**0.131**	**0.047**
Nickel	30	5.2	7.67	7.65	8.68	10.4	9.02	6.54	8.89	9.27	6.15
Potassium	NAV	10600	18700	14800	11400	6190	5850	6300	6720	13600	12000
Selenium	0.21	ND	ND	ND	ND	**0.698**	**0.706**	ND	ND	ND	ND
Silver	2	ND	ND	ND	ND	0.719	ND	ND	ND	ND	ND
Sodium	NAV	120	132	234	130	146	174	120	169	142	136
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**88.7**	**116**	**101**	**82**	**59.7**	**95.5**	**75.9**	**50.6**	**96.8**	**101**
Zinc	8.5	**57.4**	**82.8**	**316**	**94.5**	**402**	**47.2**	**62**	**92.3**	**50**	**65**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4762.28 B102 (6-12") 8/31/1999	4774.02 B103 (6-12") 9/7/1999	4774.04 B104 (3-9") 9/7/1999	4774.06 B105 (0-6") 9/7/1999	4774.08 B106 (0-6") 9/7/1999	4774.10 B107 (4-10") 9/7/1999	4774.12 B108 (5-11") 9/7/1999	4774.14 B109 (6-12") 9/7/1999	4774.16 B110 (9-15") 9/7/1999	4774.18 B111 (3-9") 9/7/1999
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	0.18J	ND	ND	ND	ND	ND	0.12J	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	0.88J	0.15J	0.14J	ND	ND	ND	0.65J	0.15J
Anthracene	1,480	ND	ND	0.4J	0.17J	ND	ND	ND	ND	0.35J	ND
Benzo[a]anthracene	5.21	ND	0.2J	2.3	0.50J	0.24J	ND	ND	ND	1.6	0.37J
Benzo[a]pyrene	1.52	ND	0.19J	**3.6**	0.52J	0.32J	ND	ND	ND	**2.6**	0.39J
Benzo[b]fluoranthene	59.8	ND	0.21J	3.5	0.51J	0.37J	ND	ND	ND	2.5	0.39J
Benzo[g,h,I]perylene	119	ND	0.13J	1.8	0.25J	ND	ND	ND	ND	0.92J	0.22J
Benzo[k]fluoranthene	148	ND	0.21J	3.0	0.45J	0.27J	ND	ND	ND	2.2	0.32J
bis(2-Ethylhexyl)phthalate	0.925	0.2JB	0.24JB	0.22JB	0.26JB	0.26JB	0.31JB	0.27JB	0.3JB	0.23JB	0.2JB
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	ND	0.26J	2.6	0.66J	0.35J	ND	ND	ND	1.9	0.5J
Dibenz[a,h]anthracene	18.4	ND	ND	0.73J	ND	ND	ND	ND	ND	0.35J	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	0.18J	ND	ND	ND
Di-n-butylphthalate	200	1.1JB	1.3B	1.5B	0.56JB	1.4B	0.66JB	1.7B	1.5B	1.2B	0.52JB
Fluoranthene	122	ND	0.43J	2.7	0.85J	0.35J	ND	ND	ND	2.1	0.63J
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	0.12J	1.9	0.24J	ND	ND	ND	ND	0.96J	0.2J
Naphthalene	0.0994	ND	ND	**0.29J**	ND	ND	ND	ND	ND	**0.2J**	ND
n-Nitrosodiphenylamine	0.545	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	0.25J	0.59J	0.47J	0.16J	ND	ND	ND	0.76J	0.42J
Pyrene	78.5	ND	0.4J	3.1	0.92J	0.43J	ND	ND	ND	2.4	0.74J
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	0.007	0.381	ND	0.081	0.05	0.003	ND	**1.031**	0.084	0.062
4,4'-DDE	0.596	0.01	0.316	0.01	0.06	0.076	0.007	ND	**0.81**	0.064	0.095
4,4'-DDT	0.0035	ND	**0.38**	**0.051**	**0.231**	**0.085**	**0.007**	ND	**0.03**	**0.061**	**0.065**
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	0.002	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4762.28 B102 (6-12") 8/31/1999	4774.02 B103 (6-12") 9/7/1999	4774.04 B104 (3-9") 9/7/1999	4774.06 B105 (0-6") 9/7/1999	4774.08 B106 (0-6") 9/7/1999	4774.10 B107 (4-10") 9/7/1999	4774.12 B108 (5-11") 9/7/1999	4774.14 B109 (6-12") 9/7/1999	4774.16 B110 (9-15") 9/7/1999	4774.18 B111 (3-9") 9/7/1999
Metals (mg/kg)											
Aluminum	50	**24700**	**18200**	**12800**	**15700**	**17900**	**22700**	**17800**	**18900**	**10200**	**14900**
Antimony	0.27	ND	**0.461**	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	9.9	**32.1**	**23.6**	8.63	**13.5**	**13.9**	**26**	**28.9**	**30.3**	7.6	**11.5**
Barium	283	17.3	75.7	35.3	41.1	42.2	13.1	10.9	41.6	29.2	34.1
Beryllium	10	2.71	1.95	0.797	1.12	1.32	2.81	1.4	1.76	0.709	0.994
Cadmium	0.36	**0.924**	**1.43**	**0.411**	**0.44**	**0.443**	**0.84**	0.269	**0.835**	0.348	0.299
Calcium	NAV	964	1340	528	854	984	808	429	1230	574	722
Chromium	0.4	**338**	**211**	**68.6**	**96.8**	**132**	**333**	**178**	**213**	**61.7**	**92**
Cobalt	13	1.32	2.03	4.18	3.27	4.12	1.22	1.22	2.03	3.21	2.46
Copper	28	20.9	**34**	3.68	16.1	9.78	2.95	23.1	**33.4**	3.68	4.95
Iron	NAV	74100	45500	31800	33600	39500	66600	33800	43500	28800	29400
Lead	11	10.3	**60.1**	**13.4**	**28.3**	**39.9**	**11.2**	4.84	**83.1**	**15.7**	**19**
Magnesium	NAV	10500	6060	1210	3260	4200	9940	4880	6050	1260	3070
Manganese	220	42.7	44.1	89.5	64.6	123	33.7	31.7	63.5	71.1	59.7
Mercury	0.00051	ND	**0.378**	**0.047**	**0.141**	**0.051**	**0.046**	ND	**0.068**	ND	ND
Nickel	30	7.82	10.6	10.5	9.53	8.91	6.94	4.99	8.06	8.78	6.89
Potassium	NAV	24100	13500	2580	6920	9120	23200	9910	13500	2630	6430
Selenium	0.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	2	ND	**0.856**	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	181	117	131	243	143	138	100	93.3	75.9	107
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**134**	**98.7**	**75**	**63.2**	**71.9**	**140**	**85.3**	**104**	**67.6**	**54.5**
Zinc	8.5	**69.7**	**102**	**49**	**61.3**	**71.3**	**62.8**	**43**	**129**	**54.6**	**42.2**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4774.20 B112 (6-12") 9/7/1999	4774.22 B113 (6-12") 9/7/1999	4777.02 B114 (4-10") 9/8/1999	4777.04 B115 (6-12") 9/8/1999	4777.06 B116 (0-6") 9/8/1999	4777.08 B117 (4-10") 9/8/1999	4777.10 B118 (4-10") 9/8/1999	4777.12 B119 (0-6") 9/8/1999	4777.14 B120 (6-12") 9/8/1999	4777.16 B121 (0-6") 9/8/1999
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	0.18J	0.24J
Acenaphthene	20	ND	ND	0.53J	ND	ND	ND	ND	ND	ND	0.19J
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	0.15J	ND	2.2	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	0.75J	ND	4.1	0.28J	0.31J	0.30J	ND	ND	0.22J	ND
Benzo[a]pyrene	1.52	0.83J	ND	**3.3**	0.3J	0.33J	0.3J	ND	ND	0.21J	ND
Benzo[b]fluoranthene	59.8	2.2	ND	3.1	0.27J	0.42J	0.31J	ND	ND	0.17J	ND
Benzo[g,h,I]perylene	119	0.42J	ND	1.7	0.17J	ND	0.12J	ND	ND	ND	ND
Benzo[k]fluoranthene	148	1.3	ND	2.8	0.29J	0.32J	0.27J	ND	ND	0.18J	ND
bis(2-Ethylhexyl)phthalate	0.925	0.18JB	0.24JB	0.3JB	0.19JB	0.31JB	0.3JB	0.15JB	1.5JBD	0.15JB	0.34JB
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	1.8	ND	3.9	0.4J	0.41J	0.37J	ND	ND	0.31J	ND
Dibenz[a,h]anthracene	18.4	ND	ND	0.68J	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	0.33J	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	1.5B	2.3B	0.73JB	0.64JB	1.4B	0.45JB	0.6JB	0.51JBD	0.55JB	1.4B
Fluoranthene	122	0.45J	ND	9.3	0.58J	0.6J	0.59J	ND	ND	0.32J	ND
Fluorene	122	ND	ND	0.8J	ND	ND	ND	ND	ND	ND	0.26J
Indeno[1,2,3-cd]pyrene	109	0.45J	ND	1.7	0.16J	ND	0.13J	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodiphenylamine	0.545	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	8.3	0.35J	0.34J	0.28J	ND	ND	0.25J	0.54J
Pyrene	78.5	1.0J	ND	7.1	0.72J	0.64J	0.59J	ND	0.73JD	0.44J	ND
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	0.057	0.138	0.008	0.085	0.019	0.183	0.024	0.023	0.007	0.068
4,4'-DDE	0.596	0.022	0.069	0.062	0.012	0.013	0.131	0.015	0.052	ND	0.041
4,4'-DDT	0.0035	**0.013**	**0.06**	**0.016**	**0.019**	**0.029**	**0.027**	**0.013**	**0.103**	**0.006**	**0.02**
alpha-Chlordane	0.224	ND	ND	ND	ND	0.004	ND	ND	0.003	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	0.002	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	0.005	ND	ND	0.005	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4774.20 B112 (6-12") 9/7/1999	4774.22 B113 (6-12") 9/7/1999	4777.02 B114 (4-10") 9/8/1999	4777.04 B115 (6-12") 9/8/1999	4777.06 B116 (0-6") 9/8/1999	4777.08 B117 (4-10") 9/8/1999	4777.10 B118 (4-10") 9/8/1999	4777.12 B119 (0-6") 9/8/1999	4777.14 B120 (6-12") 9/8/1999	4777.16 B121 (0-6") 9/8/1999
Metals (mg/kg)											
Aluminum	50	**17400**	**12000**	**13600**	**11000**	**12500**	**10800**	**17200**	**7840**	**11100**	**10200**
Antimony	0.27	ND	ND	ND	ND	ND	ND	ND	**0.571**	ND	ND
Arsenic	9.9	**17.6**	**16.8**	**24.9**	**12.2**	**16.2**	**11.8**	**24.7**	5.11	9.25	9.15
Barium	283	114	10.4	28.6	30.5	63.7	27.6	19.3	50.1	26.2	23.2
Beryllium	10	1.54	1.21	1.67	1.08	1.34	1.27	1.15	0.397	1.03	1.08
Cadmium	0.36	**0.563**	0.324	0.516	0.195	**0.493**	**2.26**	ND	0.229	0.181	0.255
Calcium	NAV	1330	592	850	1390	14200	1530	773	6010	957	936
Chromium	0.4	**133**	**149**	**186**	**92.4**	**189**	**124**	**159**	**41**	**81.7**	**84.7**
Cobalt	13	6.36	1.22	1.11	2.27	3.09	5.14	1.08	9.12	2.5	2.45
Copper	28	19.5	2.18	**53.6**	18.2	**30.6**	**38.6**	15.2	**60**	14.3	16.4
Iron	NAV	35100	30500	41800	30800	41200	33600	31100	17900	30800	32500
Lead	11	**30.2**	**14.8**	**66.7**	**16.4**	**38.3**	**47**	**15.9**	**57.1**	**18.7**	**14.2**
Magnesium	NAV	3670	3900	5730	3450	5480	3820	4600	4750	3240	3270
Manganese	220	51.9	29.6	50.6	62.1	**785**	89.8	34.2	162	68.5	63.6
Mercury	0.00051	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	30	15.3	3.9	6.55	7.13	10.2	14.1	4.83	18.3	7.84	7.94
Potassium	NAV	7940	8640	12300	7030	9190	7840	8370	1400	6470	6600
Selenium	0.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	223	48.2	93.9	191	346	190	188	433	154	90.8
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**70.2**	**67.7**	**73**	**50.9**	**70.3**	**57.7**	**77.5**	**39.6**	**51.3**	**50.1**
Zinc	8.5	**99.6**	**35.8**	**99.8**	**73**	**126**	**226**	**77.4**	**144**	**53.5**	**46**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4777.18 B122 (0-6") 9/8/1999	4777.20 B123 (0-6") 9/8/1999	4777.22 B124 (0-6") 9/8/1999	4777.24 B125 (0-6") 9/8/1999	4777.26 B126 (0-6") 9/8/1999	4790.02 B127 (0-6") 9/15/1999	4790.04 B128 (0-6") 9/15/1999	4790.06 B129 (0-6") 9/15/1999	4790.08 B130 (0-6") 9/15/1999	4790.10 B131 (0-6") 9/15/1999
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	0.39J	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	0.84J	ND	ND	ND	0.66JD
Acenaphthylene	682	7.2JD	ND	ND	ND	3.2JD	1.6	ND	0.34J	ND	ND
Anthracene	1,480	3.5JD	ND	ND	ND	1.6JD	3.4	ND	0.31J	ND	1.7JD
Benzo[a]anthracene	5.21	**11.JD**	ND	0.12J	0.18J	**5.4JD**	**13**	ND	1.2J	ND	**7.5D**
Benzo[a]pyrene	1.52	**11.JD**	ND	0.14J	0.19J	**5.5JD**	**12**	ND	1.2J	ND	**8.6D**
Benzo[b]fluoranthene	59.8	7.7JD	ND	0.13J	0.21J	3.7JD	11	ND	0.9J	ND	9.5D
Benzo[g,h,I]perylene	119	3.1JD	ND	ND	ND	2.JD	3.7	ND	0.65J	ND	2.8JD
Benzo[k]fluoranthene	148	8.5JD	ND	0.1J	0.2J	3.3JD	9.1	ND	1.0J	ND	8.D
bis(2-Ethylhexyl)phthalate	0.925	ND	0.14JB	0.18JB	0.23JB	ND	0.19JB	ND	0.3JB	0.16JB	**2.JBD**
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	**14.D**	0.14J	0.18J	0.24J	**7.2D**	**11**	ND	1.4J	ND	**8.5D**
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	0.78JD	2.0	ND	0.16J	ND	0.92JD
Dibenzofuran	NAV	ND	ND	ND	ND	ND	0.46J	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	1.4JBD	1.9B	1.6B	1.8B	1.8JBD	0.55JB	0.85JBD	0.75JB	1.4B	1.3JBD
Fluoranthene	122	13.D	0.22J	0.19J	0.43J	6.3D	32.D	ND	2.1	ND	16.D
Fluorene	122	1.7JD	ND	ND	ND	1.JD	1.J	ND	0.17J	ND	0.57JD
Indeno[1,2,3-cd]pyrene	109	2.7JD	ND	ND	ND	1.8JD	4.4	ND	0.58J	ND	3.JD
Naphthalene	0.0994	ND	**0.12J**	ND	ND	ND	**0.67J**	ND	ND	ND	ND
n-Nitrosodiphenylamine	0.545	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	15.D	0.47J	0.17J	0.22J	6.4D	9.8	ND	1.4J	ND	7.8D
Pyrene	78.5	28.D	0.21J	0.25J	0.38J	12.D	29.D	ND	2.2	ND	14.D
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	0.057	0.018	ND	0.005	0.036	0.013	0.004	0.022	ND	0.067
4,4'-DDE	0.596	0.059	0.015	ND	0.005	ND	0.019	0.007	0.01	ND	0.064
4,4'-DDT	0.0035	**0.057**	0.003	ND	**0.005**	**0.064**	**0.021**	**0.008**	**0.013**	ND	**0.313**
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4777.18 B122 (0-6") 9/8/1999	4777.20 B123 (0-6") 9/8/1999	4777.22 B124 (0-6") 9/8/1999	4777.24 B125 (0-6") 9/8/1999	4777.26 B126 (0-6") 9/8/1999	4790.02 B127 (0-6") 9/15/1999	4790.04 B128 (0-6") 9/15/1999	4790.06 B129 (0-6") 9/15/1999	4790.08 B130 (0-6") 9/15/1999	4790.10 B131 (0-6") 9/15/1999
Metals (mg/kg)											
Aluminum	50	**19500**	**12000**	**10500**	**15100**	**7010**	**10500**	**13300**	**16000**	**16500**	**5600**
Antimony	0.27	ND	ND	ND	ND	ND	**16.7**	ND	ND	ND	**0.793**
Arsenic	9.9	**38.8**	**24**	**9.92**	**22.1**	9.23	**20.7**	**25.4**	**16.1**	**24.1**	6.7
Barium	283	35.5	28.3	24.3	24.5	24.8	122	22.8	47.9	32.4	45.9
Beryllium	10	2.31	1.69	1.02	2.03	0.691	1.62	1.17	1.59	1.85	0.574
Cadmium	0.36	**0.705**	**0.39**	0.201	**0.485**	0.283	**0.523**	**0.394**	**0.426**	0.288	**0.745**
Calcium	NAV	1800	1820	1610	2460	2690	13900	1480	6480	1190	2500
Chromium	0.4	**276**	**176**	**92.4**	**215**	**51.1**	**140**	**189**	**193**	**221**	**40.6**
Cobalt	13	1.45	2.32	2.16	1.47	2.5	**27.4**	0.802	3.38	1.03	4.55
Copper	28	**41.9**	**43.5**	14.1	14.4	20	**277**	21.3	17.2	21.6	**60.6**
Iron	NAV	63500	46100	30200	55200	22200	34000	44100	48600	46300	15100
Lead	11	**38.8**	**22**	**11.6**	**23.6**	**32**	**181**	**18.1**	**26.6**	**38.6**	**126**
Magnesium	NAV	8570	5590	3180	7120	2290	4760	5710	5420	6440	1440
Manganese	220	48.6	67.6	135	70.1	86.6	**1110**	38	**583**	38.9	136
Mercury	0.00051	ND	ND	**0.033**	ND	**0.029**	**0.047**	**0.032**	ND	ND	**0.094**
Nickel	30	9.67	6.8	6.8	7.39	6.93	29.9	5.64	10.1	5.28	9.94
Potassium	NAV	18400	12900	6250	15900	3920	4990	12900	10700	13800	1950
Selenium	0.21	ND	ND	ND	ND	ND	ND	**1.05**	ND	ND	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	160	416	367	104	126	268	251	155	121	120
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**116**	**44.6**	**50.5**	**65.1**	**39.5**	**52.3**	**69.4**	**83.4**	**102**	**32.3**
Zinc	8.5	**106**	**83.7**	**42.9**	**68.8**	**54.7**	**725**	**66.3**	**129**	**58**	**149**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4790.12 B132 (0-6") 9/15/1999	4790.14 B133 (0-6") 9/15/1999	4790.16 B134 (0-6") 9/15/1999	4790.18 B135 (0-6") 9/15/1999	4790.20 B136 (0-6") 9/15/1999	4790.22 B137 (0-6") 9/15/1999	4790.24 B138 (0-6") 9/15/1999	4790.26 B139 (0-6") 9/15/1999	4793.02 B140 (0-6") 9/20/1999	4793.04 B141 (0-6") 9/20/1999
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	ND	0.12J	ND	ND	0.28J	ND	0.41J	0.2J	0.18J
Benzo[a]pyrene	1.52	0.12J	ND	0.15J	ND	ND	0.31J	ND	0.43J	0.19J	0.15J
Benzo[b]fluoranthene	59.8	ND	ND	0.14J	ND	ND	0.27J	ND	0.39J	0.2J	0.15J
Benzo[g,h,I]perylene	119	ND	ND	ND	ND	ND	0.18J	ND	0.22J	ND	ND
Benzo[k]fluoranthene	148	ND	ND	0.12J	ND	ND	0.24J	ND	0.41J	0.16J	0.13J
bis(2-Ethylhexyl)phthalate	0.925	0.15JB	ND	0.14JB	0.26JB	0.2JB	0.24JB	0.25JB	0.23JB	0.21JB	0.15JB
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	0.14J	ND	0.18J	ND	ND	0.33J	ND	0.47J	0.24J	0.2J
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	0.18J	ND	ND	ND	ND	ND	0.27J	ND	ND	ND
Di-n-butylphthalate	200	1.4B	2.7JBD	1.3B	1.7B	0.74JB	1.6B	2.7B	0.73JB	1.5B	0.52JB
Fluoranthene	122	0.18J	ND	0.18J	ND	0.12J	0.55J	ND	0.71J	0.41J	0.43J
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	ND	ND	0.16J	ND	0.21J	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodiphenylamine	0.545	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	ND	ND	ND	0.31J	ND	0.23J	0.28J	0.27J
Pyrene	78.5	0.19J	ND	0.23J	ND	0.12J	0.51J	ND	0.71J	0.38J	0.38J
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	0.007	0.009	0.014	ND	0.013	0.009	0.013	0.069	0.009	0.003
4,4'-DDE	0.596	0.008	0.011	0.017	ND	0.03	0.011	0.01	0.111	0.01	0.003
4,4'-DDT	0.0035	**0.004**	**0.021**	**0.012**	ND	**0.008**	**0.012**	**0.005**	**0.03**	**0.016**	0.003
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4790.12 B132 (0-6") 9/15/1999	4790.14 B133 (0-6") 9/15/1999	4790.16 B134 (0-6") 9/15/1999	4790.18 B135 (0-6") 9/15/1999	4790.20 B136 (0-6") 9/15/1999	4790.22 B137 (0-6") 9/15/1999	4790.24 B138 (0-6") 9/15/1999	4790.26 B139 (0-6") 9/15/1999	4793.02 B140 (0-6") 9/20/1999	4793.04 B141 (0-6") 9/20/1999
Metals (mg/kg)											
Aluminum	50	**17800**	**17400**	**15300**	**13100**	**13600**	**18100**	**12300**	**12400**	**12300**	**14100**
Antimony	0.27	ND	ND	ND	ND	ND	ND	ND	**1.68**	ND	ND
Arsenic	9.9	**28**	**26.9**	**20.6**	**21.1**	**17**	**22.2**	**15.4**	**38.6**	**17.7**	**22.3**
Barium	283	33.8	92.3	40.2	31.4	35.6	34.6	38	133	29	24.8
Beryllium	10	2.07	2.01	1.59	1.05	1.47	2.19	1.26	1.09	1.47	1.96
Cadmium	0.36	0.34	**0.837**	**0.626**	**0.558**	**0.46**	**0.453**	**0.627**	**25.2**	**0.379**	**0.54**
Calcium	NAV	1640	1880	1760	1250	1260	1420	2120	1530	998	1830
Chromium	0.4	**241**	**222**	**177**	**134**	**151**	**204**	**122**	**215**	**162**	**207**
Cobalt	13	1.37	1.66	2.13	2.87	2.86	1.6	3.43	4.2	1.6	1.29
Copper	28	20.5	**49.5**	**45.6**	**97.6**	**316**	21.4	27.2	**243**	23	10.2
Iron	NAV	52200	47600	41400	33700	36900	52500	35000	132000	36200	48500
Lead	11	**26.5**	**77.2**	**93.2**	**442**	**59.8**	**48.4**	**46**	**1090**	**28.6**	**30**
Magnesium	NAV	7370	6790	5810	3410	4550	7510	4410	4110	4960	6480
Manganese	220	67.4	149	97.6	175	54.8	50	79.4	**332**	35.6	43.7
Mercury	0.00051	ND	**0.156**	**0.031**	ND	**0.047**	**0.083**	**0.06**	**0.078**	**0.061**	ND
Nickel	30	6.64	7.49	8.27	10.4	8.54	6.92	9.93	13.1	6.22	6.64
Potassium	NAV	16000	15000	11500	6710	9740	17500	8520	8990	10700	14700
Selenium	0.21	**0.918**	ND	ND	**1.23**	ND	ND	ND	**1.27**	ND	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	1.33	ND	ND
Sodium	NAV	123	153	138	88.7	181	134	166	348	264	122
Thallium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**106**	**106**	**84.4**	**65.1**	**78**	**110**	**74.1**	**90.6**	**76**	**80**
Zinc	8.5	**78.6**	**250**	**125**	**283**	**74.5**	**79.6**	**94.8**	**6530**	**50.6**	**80.3**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4793.06 B142 (0-6") 9/20/1999	4793.08 B143 (0-6") 9/20/1999	4793.10 B144 (0-6") 9/20/1999	4793.12 B145 (0-6") 9/20/1999	4793.14 B146 (0-6") 9/20/1999	4793.16 B147 (0-6") 9/20/1999	4793.18 B148 (0-6") 9/20/1999
Semi-Volatiles (mg/kg)								
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	0.17J	ND	ND	ND	0.35J	ND	ND
Benzo[a]pyrene	1.52	0.19J	ND	ND	ND	0.34J	ND	ND
Benzo[b]fluoranthene	59.8	0.19J	ND	ND	ND	0.29J	ND	ND
Benzo[g,h,I]perylene	119	0.13J	ND	ND	ND	0.18J	ND	ND
Benzo[k]fluoranthene	148	0.19J	ND	ND	ND	0.29J	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	0.26JB	0.15JB	0.2JB	0.18JB	0.19JB	0.22JB	0.22JB
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	0.23J	ND	ND	ND	0.4J	ND	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	1.5B	0.52JB	2.4B	2.2B	1.7B	1.6B	1.1JB
Fluoranthene	122	0.4J	ND	ND	ND	0.63J	ND	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	ND	0.16J	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodiphenylamine	0.545	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	0.25J	ND	ND	ND	0.41J	ND	ND
Pyrene	78.5	0.37J	ND	ND	ND	0.65J	ND	ND
Pesticides/PCBs (mg/kg)								
4,4'-DDD	0.758	0.03	0.006	ND	ND	ND	0.018	0.008
4,4'-DDE	0.596	0.029	0.032	ND	ND	ND	0.014	0.005
4,4'-DDT	0.0035	**0.023**	**0.036**	0.002	0.002	**0.057**	**0.079**	**0.026**
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	**0.007**	ND	ND	ND	ND	**0.032**	**0.031**
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND

See Notes at end of Table

Table A-6
Soil Sampling Results
M-12 Landfill
Fort Monmouth, New Jersey
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4793.06 B142 (0-6") 9/20/1999	4793.08 B143 (0-6") 9/20/1999	4793.10 B144 (0-6") 9/20/1999	4793.12 B145 (0-6") 9/20/1999	4793.14 B146 (0-6") 9/20/1999	4793.16 B147 (0-6") 9/20/1999	4793.18 B148 (0-6") 9/20/1999
Metals (mg/kg)								
Aluminum	50	**13900**	**13600**	**13200**	**16600**	**15600**	**14800**	**8510**
Antimony	0.27	ND	ND	ND	ND	ND	ND	ND
Arsenic	9.9	**20.3**	**20**	**16.2**	**24**	**22.5**	**15.5**	7.97
Barium	283	32.5	11.3	21.8	9.04	31.6	30.2	17.6
Beryllium	10	1.85	1.11	1.19	2.44	1.88	1.52	0.81
Cadmium	0.36	**0.555**	0.233	0.282	**0.514**	**0.526**	**0.562**	0.34
Calcium	NAV	1260	651	1570	515	1160	1540	2050
Chromium	0.4	**193**	**148**	**134**	**269**	**214**	**144**	**69.6**
Cobalt	13	1.31	0.77	1.2	0.664	1.43	2.42	2.2
Copper	28	28	12.4	13.6	6.31	17.5	4.5	7.79
Iron	NAV	42900	29900	29400	55000	46600	48200	27300
Lead	11	**17.9**	5.72	**17.1**	9.35	**25.1**	9.06	7.95
Magnesium	NAV	5480	3660	3830	7780	6440	4500	2250
Manganese	220	47.3	31.2	52.3	19.3	49.1	32.1	42.2
Mercury	0.00051	ND	ND	ND	ND	**0.061**	ND	ND
Nickel	30	5.77	3.74	4.62	5.7	6.05	8.02	6.32
Potassium	NAV	12500	7330	7650	18800	14700	10800	4940
Selenium	0.21	ND	ND	ND	ND	ND	ND	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	103	130	67.4	102	87.8	120	59.9
Thallium	1	ND	ND	ND	ND	ND	ND	ND
Vanadium	2	**82.7**	**73**	**63.9**	**111**	**94.7**	**81.4**	**41.6**
Zinc	8.5	**98.3**	**42.2**	**59.5**	**57.5**	**67.4**	**54.1**	**36**

NOTES:
Exceedances of Eco-SSL soil criteria are bold and shaded.
Results reported in ug/kg presented in mg/kg.
ESC = Ecological Screening Criteria (see Section 3.3)
mg/kg = milligrams per kilogram
B = Detected in Blank; J = Estimated Result
D = Diluted Sample
J = Compound Identified Below Detection Limit
ND = Not Detected
NAV = No Available Value

Table A-7
Soil Sampling Results
M-14 Landfill Site
Fort Monmouth, New Jersey
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4156.02 B01 (6-12") 12/23/98	4156.04 B02 (6-12") 12/23/98	4156.06 B03 (6-12") 12/23/98	4156.08 B04 (6-12") 12/23/98	4156.10 B05 (6-12") 12/23/98	4156.12 B06 (6-12") 12/23/98	4159.02 B07 (6-12") 12/28/98	4159.04 B08 (6-12") 12/28/98	4159.06 B09 (6-12") 12/28/98
Semi-Volatiles (mg/kg)										
2-Methylnaphthalene	3.24	ND	0.11J	0.12J	ND	ND	ND	ND	1.10	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	0.24J	ND
Acenaphthylene	682	ND	0.38J	0.89J	ND	ND	0.12J	ND	1.10	ND
Anthracene	1480	ND	0.30J	0.29J	ND	ND	ND	ND	1.00J	ND
Benzo[a]anthracene	5.21	ND	0.88J	0.66J	ND	ND	0.17J	ND	2.40	ND
Benzo[a]pyrene	1.52	ND	0.83J	1.0J	ND	ND	0.27J	ND	**2.00**	ND
Benzo[b]fluoranthene	59.8	ND	0.72J	0.62J	ND	ND	0.18J	ND	1.20	ND
Benzo[g,h,I]perylene	119	ND	0.34J	0.66J	ND	ND	0.21J	ND	0.99J	ND
Benzo[k]fluoranthene	148	ND	0.61J	0.73J	ND	ND	0.20J	ND	1.60	ND
bis(2-Ethylhexyl)phthalate	0.925	0.23J	0.11J	0.16J	0.13J	ND	0.17J	0.11J	0.13J	0.12J
Chrysene	4.73	ND	1.20	0.99J	ND	ND	0.24J	0.13J	3.60	ND
Dibenz[a,h]anthracene	18.4	ND	0.11J	0.14J	ND	ND	ND	ND	0.27J	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	0.11J	ND
Diethylphthalate	100	ND	ND	ND	0.11J	ND	0.14J	ND	ND	0.12J
Di-n-butylphthalate	200	0.66J	0.37J	0.83J	1.4	0.40J	1.6	2.7	1.7	31
Fluoranthene	122	ND	1.60	0.79J	0.15J	0.13J	0.22J	0.12J	4.30	ND
Fluorene	122	ND	0.27J	ND	ND	ND	ND	ND	1.00J	ND
Indeno[1,2,3-cd]pyrene	109	ND	0.27J	0.38J	ND	ND	0.13J	ND	0.63J	ND
Naphthalene	0.0994	ND	ND	**0.13J**	ND	ND	ND	ND	**1.10**	ND
Phenanthrene	45.7	ND	1.90	0.68J	ND	ND	ND	ND	8.40	ND
Pyrene	78.5	ND	2.20	1.30	0.15J	0.13J	0.30J	0.15J	6.60	ND
Pesticides/PCBs (mg/kg)										
4,4'-DDD	0.758	0.017	0.054	0.022	0.031	0.051	0.013	0.028	0.048	0.014
4,4'-DDE	0.596	0.237	0.054	0.027	0.253	0.031	0.01	0.021	0.026	0.012
4,4'-DDT	0.0035	**0.113**	**0.106**	**0.109**	**0.273**	**0.028**	**0.017**	**0.069**	**0.046**	**0.014**
alpha-Chlordane	0.224	ND	0.001	0.001	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	0.001	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	0.002	0.003	0.002	ND	ND	ND	ND	ND

See Notes at end of Table

Table A-7
Soil Sampling Results
M-14 Landfill Site
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4156.02 B01 (6-12") 12/23/98	4156.04 B02 (6-12") 12/23/98	4156.06 B03 (6-12") 12/23/98	4156.08 B04 (6-12") 12/23/98	4156.10 B05 (6-12") 12/23/98	4156.12 B06 (6-12") 12/23/98	4159.02 B07 (6-12") 12/28/98	4159.04 B08 (6-12") 12/28/98	4159.06 B09 (6-12") 12/28/98
Metals (mg/kg)										
Aluminum	50	**10200**	**10600**	**7420**	**11500**	**11700**	**11900**	**11700**	**10800**	**10200**
Antimony	0.27	**1.03**	**1.17**	**0.633**	**0.395**	**0.798**	**0.569**	**0.57**	**0.482**	**0.623**
Arsenic	9.9	**9.97**	9.39	6.70	**18.2**	**14.5**	**13.7**	**12.5**	**9.96**	**12.3**
Barium	283	34.9	52.3	30.1	30.5	71.9	87.6	83.3	65.4	85.1
Beryllium	10	1.07	1.37	1.11	1.04	1.65	1.89	1.90	1.36	1.76
Cadmium	0.36	**0.632**	**1.22**	**0.47**	**0.625**	**0.711**	**0.873**	**0.778**	**0.74**	**0.983**
Calcium	NAV	518	1640	1590	697	1320	8190	5240	3890	4520
Chromium	0.4	**94.2**	**95.0**	**99.2**	**89.3**	**169**	**179**	**211**	**140**	**190**
Cobalt	13	4.74	3.25	2.62	1.99	1.98	2.58	1.59	1.94	1.45
Copper	28	3.53	15.5	14.2	5.58	7.72	7.43	6.79	14.0	8.04
Iron	NAV	48200	30900	24100	30900	39800	38400	45100	31500	40500
Lead	11	11.0	**45.8**	**39.3**	**16.9**	**21.1**	**11.7**	10.0	**40.3**	7.23
Magnesium	NAV	1200	3190	3150	3160	4950	5370	6280	3940	5670
Manganese	220	150	61.0	48.7	51.8	27.8	54.5	28.9	29.5	33.6
Mercury	0.00051	**0.05**	**0.11**	**0.11**	**0.12**	**0.12**	**0.07**	**0.06**	**0.10**	**0.06**
Nickel	30	15.8	11.3	6.74	6.91	8.58	13.2	7.55	8.55	8.06
Potassium	NAV	2180	6600	6620	6610	11100	16400	14700	8470	13300
Selenium	0.21	ND	**0.762**	**1.28**	ND	**2.19**	**2.18**	**1.39**	**1.49**	**1.88**
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	310	155	228	96.7	157	360	167	229	496
Vanadium	2	**138**	**56.0**	**47.3**	**58.9**	**82.1**	**77.1**	**82.8**	**66.3**	**76.4**
Zinc	8.5	**84.2**	**103**	**58.0**	**71.9**	**68.9**	**78.5**	**75.9**	**60.1**	**61.2**

See Notes at end of Table

Table A-7
Soil Sampling Results
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4159.08 B10 (6-12") 12/28/98	4159.10 B11 (6-12") 12/28/98	4159.12 B12 (6-12") 12/28/98	4159.14 B13 (6-12") 12/28/98	4159.16 B14 (6-12") 12/28/98	4159.18 B15 (6-12") 12/28/98	4159.20 B16 (6-12") 12/28/98	4159.22 B17 (6-12") 12/28/98	4159.24 B18 (6-12") 12/28/98
Semi-Volatiles (mg/kg)										
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1480	ND	ND	ND	ND	ND	ND	ND	ND	0.13J
Benzo[a]anthracene	5.21	0.13J	ND	0.15J	ND	ND	ND	0.17J	ND	ND
Benzo[a]pyrene	1.52	0.11J	0.24J	0.14J	ND	ND	ND	0.15J	ND	ND
Benzo[b]fluoranthene	59.8	0.12J	ND	ND	ND	ND	ND	0.15J	ND	ND
Benzo[g,h,I]perylene	119	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	148	0.18J	ND	0.17J	ND	ND	ND	0.17J	ND	0.11J
bis(2-Ethylhexyl)phthalate	0.925	0.13J	0.15J	0.14J	ND	0.12J	ND	ND	0.15J	0.14J
Chrysene	4.73	0.16J	ND	0.24J	ND	ND	ND	0.26J	ND	0.13J
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	3.7	1.4	0.38J	0.47J	1.4	1.00J	2.3	0.89J	0.48J
Fluoranthene	122	0.29J	ND	0.25J	0.13J	ND	0.17J	0.29J	ND	0.16J
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	0.22J	ND	0.30J	0.30J	ND	ND	0.43J	ND	0.13J
Pyrene	78.5	0.25J	ND	0.36J	0.22J	ND	0.18J	0.44J	ND	0.18J
Pesticides/PCBs (mg/kg)										
4,4'-DDD	0.758	0.027	0.014	0.169	0.011	0.011	0.066	0.047	0.018	0.119
4,4'-DDE	0.596	0.024	0.013	0.06	0.009	0.008	0.025	0.039	0.014	0.067
4,4'-DDT	0.0035	**0.055**	**0.008**	**0.173**	**0.015**	**0.012**	**0.108**	**0.088**	**0.026**	**0.097**
alpha-Chlordane	0.224	ND	ND	0.001	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	0.001	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	0.003	ND	ND	ND	ND	ND	ND

See Notes at end of Table

Table A-7
Soil Sampling Results
M-14 Landfill Site
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4159.08 B10 (6-12") 12/28/98	4159.10 B11 (6-12") 12/28/98	4159.12 B12 (6-12") 12/28/98	4159.14 B13 (6-12") 12/28/98	4159.16 B14 (6-12") 12/28/98	4159.18 B15 (6-12") 12/28/98	4159.20 B16 (6-12") 12/28/98	4159.22 B17 (6-12") 12/28/98	4159.24 B18 (6-12") 12/28/98
Metals (mg/kg)										
Aluminum	50	**10000**	**6820**	**8430**	**5870**	**9250**	**4610**	**5610**	**6090**	**11100**
Antimony	0.27	**0.661**	**0.675**	**0.863**	ND	**0.619**	**0.612**	**0.643**	**0.604**	**1.01**
Arsenic	9.9	**11.2**	**10.3**	**12.0**	**10.8**	**12.2**	7.57	9.56	6.30	8.28
Barium	283	78.3	58.4	77.3	66.3	68.6	48.9	64.1	49.9	60.8
Beryllium	10	1.50	1.36	1.17	0.952	1.24	0.825	1.02	1.02	1.32
Cadmium	0.36	**0.534**	**0.809**	**0.394**	**0.381**	**0.519**	0.332	**0.548**	**0.486**	**6.29**
Calcium	NAV	5320	3420	5300	4910	1070	3020	4580	2840	2170
Chromium	0.4	**165**	**107**	**129**	**99.6**	**142**	**63.2**	**95.5**	**100**	**87.9**
Cobalt	13	1.80	1.91	1.30	0.826	1.49	1.35	1.46	1.34	7.31
Copper	28	6.37	6.89	6.83	6.28	8.62	10.9	6.87	4.88	**78.0**
Iron	NAV	36600	24600	29300	23800	35700	16800	25100	22900	29600
Lead	11	**12.1**	**17.5**	**23.6**	10.7	**20.1**	**25.6**	**17.1**	8.62	**30.2**
Magnesium	NAV	4810	2930	3420	2800	3890	1450	2670	2620	3000
Manganese	220	27.6	21.5	26.9	17.1	27.2	13.8	19.5	21.2	**296**
Mercury	0.00051	**0.05**	**0.07**	**0.09**	**0.03**	**0.04**	**0.08**	**0.03**	**0.05**	**0.12**
Nickel	30	6.58	9.54	5.47	4.88	6.63	5.00	6.78	5.90	23.3
Potassium	NAV	11400	6680	7820	6240	9260	2920	7030	6140	5890
Selenium	0.21	**1.71**	**1.83**	**1.72**	**2.08**	**2.31**	**1.42**	**2.08**	**1.11**	**1.25**
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	257	556	132	451	359	447	225	89.3	211
Vanadium	2	**71.2**	**44.7**	**58.7**	**38.1**	**66.2**	**28.8**	**30.7**	**43.0**	**68.8**
Zinc	8.5	**60.3**	**53.1**	**42.7**	**41.1**	**56.8**	**39.4**	**63.1**	**43.9**	**113**

See Notes at end of Table

Table A-7
Soil Sampling Results
M-14 Landfill Site
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4159.26 B19 (6-12") 12/28/98	4160.02 B20 (6-12") 12/29/98	4160.04 B21 (6-12") 12/29/98	4160.06 B22 (6-12") 12/29/98	4160.08 B23 (6-12") 12/29/98	4160.10 B24 (6-12") 12/29/98	4160.12 B25 (6-12") 12/29/98	4160.14 B26 (6-12") 12/29/98	4160.16 B27 (6-12") 12/29/98
Semi-Volatiles (mg/kg)										
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	0.23J	ND	ND	ND	0.12J	ND	ND
Anthracene	1480	ND	ND	ND	ND	ND	ND	0.23J	ND	ND
Benzo[a]anthracene	5.21	0.14J	ND	0.44J	ND	ND	ND	1.00J	ND	0.14J
Benzo[a]pyrene	1.52	0.12J	ND	0.56J	ND	0.11J	ND	0.91J	ND	0.14J
Benzo[b]fluoranthene	59.8	ND	ND	0.38J	ND	ND	ND	1.20	ND	0.12J
Benzo[g,h,I]perylene	119	ND	ND	0.33J	ND	ND	ND	0.48J	ND	ND
Benzo[k]fluoranthene	148	0.14J	ND	0.51J	ND	0.11J	ND	1.30	ND	0.16J
bis(2-Ethylhexyl)phthalate	0.925	ND	ND	ND	ND	0.11J	ND	0.11J	ND	ND
Chrysene	4.73	0.21J	ND	0.92J	ND	0.20J	ND	1.80	ND	0.26J
Dibenz[a,h]anthracene	18.4	ND	ND	0.15J	ND	ND	ND	0.21J	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.25J	0.30J	0.37J	0.92J	1.2	0.98J	1.1	1.5	0.89J
Fluoranthene	122	0.26J	ND	0.43J	ND	0.18J	ND	0.63J	ND	0.27J
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	0.28J	ND	ND	ND	0.55J	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	0.37J	ND	0.30J	ND	0.14J	ND	0.21J	ND	0.21J
Pyrene	78.5	0.37J	ND	0.63J	ND	0.23J	ND	0.84J	ND	0.32J
Pesticides/PCBs (mg/kg)										
4,4'-DDD	0.758	0.088	0.031	0.07	0.03	0.041	0.016	0.012	0.044	0.055
4,4'-DDE	0.596	0.061	0.023	0.065	0.021	0.023	0.012	0.013	0.02	0.029
4,4'-DDT	0.0035	**0.065**	**0.072**	**0.157**	**0.03**	**0.026**	**0.025**	**0.034**	**0.079**	**0.033**
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND

See Notes at end of Table

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4159.26 B19 (6-12") 12/28/98	4160.02 B20 (6-12") 12/29/98	4160.04 B21 (6-12") 12/29/98	4160.06 B22 (6-12") 12/29/98	4160.08 B23 (6-12") 12/29/98	4160.10 B24 (6-12") 12/29/98	4160.12 B25 (6-12") 12/29/98	4160.14 B26 (6-12") 12/29/98	4160.16 B27 (6-12") 12/29/98
Metals (mg/kg)										
Aluminum	50	**7600**	**10000**	**7330**	**7110**	**9400**	**10000**	**6970**	**7970**	**5250**
Antimony	0.27	**1.67**	**0.755**	**0.895**	**0.728**	**0.929**	**0.801**	**1.24**	**0.854**	**0.763**
Arsenic	9.9	5.82	**12.9**	8.97	**11.8**	**13.4**	9.39	6.02	**11.2**	7.21
Barium	283	43.3	65.5	54.5	69.4	84.2	70.4	42.1	77.4	65.4
Beryllium	10	1.10	2.04	1.15	1.20	1.50	1.43	0.908	1.30	1.07
Cadmium	0.36	**0.453**	**0.799**	**0.448**	**0.672**	**0.782**	**1.11**	**0.474**	**0.518**	**0.739**
Calcium	NAV	1600	8010	999	5680	4670	3400	507	3660	5300
Chromium	0.4	**100**	**215**	**110**	**123**	**152**	**135**	**96.8**	**159**	**85.2**
Cobalt	13	1.29	1.68	1.47	1.58	1.78	2.44	1.51	1.08	3.05
Copper	28	6.07	4.00	9.58	5.49	6.31	8.92	12.0	5.78	3.93
Iron	NAV	20500	45100	28400	27900	34500	30900	23100	35100	19000
Lead	11	**17.9**	4.90	**19.3**	**12.6**	**22.8**	**16.4**	**17.6**	7.76	6.11
Magnesium	NAV	2310	5960	2660	3080	3950	3350	2110	3990	2160
Manganese	220	18.6	23.9	18.4	20.0	31.2	33.0	19.6	18.5	40.9
Mercury	0.00051	**0.06**	**0.034**	**0.08**	**0.043**	**0.045**	**0.057**	**0.077**	ND	ND
Nickel	30	6.13	7.25	5.97	7.53	9.38	9.89	5.36	4.58	10.2
Potassium	NAV	5250	15400	6430	7560	9830	8140	5000	10600	5200
Selenium	0.21	**1.06**	**2.19**	**1.55**	**2.05**	**1.88**	**1.49**	**1.35**	**2.14**	**1.13**
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	105	99.8	159	165	336	373	121	138	135
Vanadium	2	**49.4**	**65.4**	**48.4**	**50.8**	**66.3**	**63.4**	**45.5**	**63.6**	**38.4**
Zinc	8.5	**42.5**	**94.1**	**66.8**	**60.4**	**59.7**	**68.2**	**46.3**	**55.2**	**56.5**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4160.18 B28 (6-12") 12/29/98	4160.20 B29 (6-12") 12/29/98	4162.02 B30 (6-12") 12/30/98	4162.04 B31 (6-12") 12/30/98	4162.06 B32 (6-12") 12/30/98	4162.08 B33 (6-12") 12/30/98	4162.10 B34 (6-12") 12/30/98	4162.12 B35 (6-12") 12/30/98	4162.14 B36 (6-12") 12/30/98
Semi-Volatiles (mg/kg)										
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1480	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]pyrene	1.52	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	59.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,I]perylene	119	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	148	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	ND	0.11J	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.32J	0.76J	0.75J	0.24J	0.31J	1.5	0.80J	0.30J	0.33J
Fluoranthene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	0.13J	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	78.5	0.13J	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides/PCBs (mg/kg)										
4,4'-DDD	0.758	0.024	0.007	0.084	0.099	0.117	0.354	0.049	0.033	0.081
4,4'-DDE	0.596	0.015	0.006	0.045	0.053	0.062	0.068	0.044	0.025	0.054
4,4'-DDT	0.0035	**0.026**	**0.027**	**0.053**	**0.117**	**0.171**	**4.095**	**0.098**	**0.057**	**0.108**
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4160.18 B28 (6-12") 12/29/98	4160.20 B29 (6-12") 12/29/98	4162.02 B30 (6-12") 12/30/98	4162.04 B31 (6-12") 12/30/98	4162.06 B32 (6-12") 12/30/98	4162.08 B33 (6-12") 12/30/98	4162.10 B34 (6-12") 12/30/98	4162.12 B35 (6-12") 12/30/98	4162.14 B36 (6-12") 12/30/98
Metals (mg/kg)										
Aluminum	50	**7640**	**7360**	**10400**	**9010**	**8600**	**9570**	**6450**	**9220**	**4630**
Antimony	0.27	**0.827**	**0.984**	**1.27**	**1.03**	**1.14**	**0.882**	**1.07**	**0.898**	**1.97**
Arsenic	9.9	**168**	9.69	**19.9**	**11.8**	9.51	**15.5**	**10.0**	**12.4**	8.87
Barium	283	73.2	55.0	70.7	82.8	58.1	68.1	44.7	86.4	64.5
Beryllium	10	1.23	1.32	1.43	1.59	1.31	1.51	1.25	1.51	1.28
Cadmium	0.36	**0.742**	**0.461**	**0.789**	**0.761**	**0.528**	**0.698**	**0.75**	**0.625**	**1.33**
Calcium	NAV	6360	1050	6460	5550	2300	943	983	4120	1910
Chromium	0.4	**143**	**149**	**184**	**177**	**144**	**172**	**103**	**176**	**67.9**
Cobalt	13	1.47	1.33	1.36	1.23	1.50	1.52	1.52	1.62	**15.0**
Copper	28	5.70	5.47	5.60	5.22	4.90	6.69	9.31	7.07	15.4
Iron	NAV	37900	31600	42100	38600	32700	38300	25600	38000	17900
Lead	11	**11.4**	7.14	**13.2**	**11.7**	10.9	**12.4**	**28.4**	**11.4**	**24.9**
Magnesium	NAV	3620	3480	4280	4580	3480	4170	2130	4170	1360
Manganese	220	24.6	19.0	26.1	23.8	22.3	26.7	26.5	23.9	171
Mercury	0.00051	ND	ND	**0.07**	**0.02**	**0.03**	**0.11**	**0.07**	**0.05**	**0.04**
Nickel	30	6.76	5.94	6.20	7.44	5.95	6.88	8.18	6.05	10.9
Potassium	NAV	10200	8740	11200	11800	9250	10900	5520	11300	3430
Selenium	0.21	**2.18**	**2.31**	**2.39**	**2.24**	**1.45**	**2.16**	**1.52**	**2.21**	**1.75**
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	304	112	93.2	146	118	71.0	35.2	53.0	65.9
Vanadium	2	**61.9**	**59.3**	**74.6**	**72.1**	**59.7**	**71.5**	**47.3**	**70.7**	**30.2**
Zinc	8.5	**46.0**	**49.2**	**59.2**	**52.9**	**49.7**	**63.5**	**78.8**	**60.6**	**92.5**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4162.16 B37 (6-12") 12/30/98	4162.18 B38 (6-12") 12/30/98	4162.20 B39 (6-12") 12/30/98	4162.22 B40 (6-12") 12/30/98	4162.24 B41 (6-12") 12/30/98	4162.26 B42 (6-12") 12/30/98	4162.28 B43 (6-12") 12/30/98	4162.30 B44 (6-12") 12/30/98	4164.02 B45 (6-12") 12/31/98
Semi-Volatiles (mg/kg)										
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	0.14J	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	0.20J	ND	ND
Anthracene	1480	ND	ND	ND	ND	ND	ND	0.14J	ND	ND
Benzo[a]anthracene	5.21	ND	ND	ND	ND	ND	ND	0.26J	ND	0.10J
Benzo[a]pyrene	1.52	ND	ND	0.13J	ND	ND	ND	0.24J	ND	0.12J
Benzo[b]fluoranthene	59.8	ND	ND	0.15J	ND	ND	ND	0.17J	ND	ND
Benzo[g,h,I]perylene	119	ND	ND	ND	ND	ND	ND	0.14J	ND	ND
Benzo[k]fluoranthene	148	ND	ND	0.14J	ND	ND	ND	0.23J	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	ND	ND	0.17J	ND	0.13J	ND	0.35J	ND	0.14J
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.85J	0.90J	0.35J	0.82J	0.38J	0.44J	1.10J	1.6	1.00J
Fluoranthene	122	ND	0.12J	0.22J	ND	0.14J	ND	0.42J	ND	0.19J
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	**0.16J**	ND	ND
Phenanthrene	45.7	ND	ND	0.15J	ND	0.14J	ND	0.64J	ND	0.14J
Pyrene	78.5	ND	0.13J	0.22J	ND	0.19J	ND	0.52J	ND	0.22J
Pesticides/PCBs (mg/kg)										
4,4'-DDD	0.758	0.061	0.043	0.042	0.077	0.043	ND	0.04	0.068	0.038
4,4'-DDE	0.596	0.038	0.032	0.03	0.052	0.032	ND	0.028	0.055	0.037
4,4'-DDT	0.0035	**0.063**	**0.067**	**0.138**	**0.293**	**0.114**	**0.039**	**0.1**	**0.123**	**0.134**
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4162.16 B37 (6-12") 12/30/98	4162.18 B38 (6-12") 12/30/98	4162.20 B39 (6-12") 12/30/98	4162.22 B40 (6-12") 12/30/98	4162.24 B41 (6-12") 12/30/98	4162.26 B42 (6-12") 12/30/98	4162.28 B43 (6-12") 12/30/98	4162.30 B44 (6-12") 12/30/98	4164.02 B45 (6-12") 12/31/98
Metals (mg/kg)										
Aluminum	50	**8380**	**4550**	**4090**	**8650**	**7360**	**9370**	**11000**	**9190**	**7900**
Antimony	0.27	**1.31**	**0.99**	**0.783**	**1.18**	**0.722**	**0.954**	**0.76**	**1.23**	**1.40**
Arsenic	9.9	**14.5**	**11.6**	9.61	**12.6**	**11.7**	9.31	**11.9**	**11.1**	**12.7**
Barium	283	90.4	60.9	72.5	70.3	70.2	56.8	120	77.4	57.3
Beryllium	10	1.56	0.872	0.831	1.33	1.17	1.41	1.89	1.39	1.26
Cadmium	0.36	**0.706**	0.351	**0.428**	**0.704**	**0.551**	**0.632**	**0.953**	**0.704**	**0.747**
Calcium	NAV	3490	914	4090	997	1010	3680	7320	1370	1350
Chromium	0.4	**166**	**84.9**	**68.8**	**153**	**133**	**179**	**235**	**145**	**140**
Cobalt	13	1.36	1.29	1.46	1.37	1.41	0.892	2.03	1.61	1.80
Copper	28	5.86	6.86	6.04	8.34	6.08	5.34	6.75	5.48	7.01
Iron	NAV	37800	23000	18800	34300	27800	38000	42400	32900	32100
Lead	11	**13.3**	**16.2**	**13.9**	**18.6**	**20.1**	7.66	8.59	**22.8**	**16.0**
Magnesium	NAV	3870	1800	1470	3380	2680	4080	5070	3090	2980
Manganese	220	21.9	15.2	17.9	23.8	19.3	23.3	42.6	28.2	44.3
Mercury	0.00051	**0.04**	**0.05**	**0.07**	**0.06**	**0.07**	**0.04**	**0.03**	**0.06**	**0.06**
Nickel	30	5.21	4.80	4.99	6.05	5.61	5.07	8.93	6.82	8.41
Potassium	NAV	10800	4960	4090	9200	7500	11700	14300	8680	8220
Selenium	0.21	**2.40**	**1.98**	**1.86**	**2.19**	**1.81**	**1.83**	**2.59**	**1.82**	**1.72**
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	67.7	66.4	86.7	100	55.3	138	224	90.2	53.0
Vanadium	2	**54.7**	**29.6**	**25.5**	**62.3**	**46.2**	**64.0**	**81.3**	**61.9**	**57.8**
Zinc	8.5	**64.7**	**38.0**	**45.0**	**59.6**	**54.7**	**92.8**	**77.7**	**55.3**	**82.3**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4164.04 B46 (6-12") 12/31/98	4164.06 B47 (6-12") 12/31/98	4164.08 B48 (6-12") 12/31/98	4164.10 B49 (6-12") 12/31/98	4164.12 B50 (6-12") 12/31/98	4164.14 B51 (6-12") 12/31/98	4164.16 B52 (6-12") 12/31/98	4164.18 B53 (6-12") 12/31/98	4169.02 B54 (6-12") 1/5/99
Semi-Volatiles (mg/kg)										
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1480	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	0.15J	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]pyrene	1.52	0.16J	ND	ND	ND	ND	ND	ND	ND	0.13J
Benzo[b]fluoranthene	59.8	0.13J	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,I]perylene	119	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	148	0.16J	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	0.21J	ND	ND	ND	ND	ND	ND	ND	0.12J
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.45J	0.39J	1.10J	1.2	2.2	1.00J	1.00J	0.72J	0.33J
Fluoranthene	122	0.28J	0.12J	ND	ND	ND	ND	ND	0.13J	0.22J
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	0.21J	ND	0.12J	ND	ND	ND	ND	ND	0.13J
Pyrene	78.5	0.31J	0.15J	0.13J	ND	ND	ND	ND	ND	0.24J
Pesticides/PCBs (mg/kg)										
4,4'-DDD	0.758	0.056	0.039	0.165	ND	0.034	ND	ND	ND	0.02
4,4'-DDE	0.596	0.03	0.036	0.034	0.01	0.028	ND	ND	0.038	0.023
4,4'-DDT	0.0035	**0.175**	**0.077**	**0.044**	**0.031**	**0.042**	ND	ND	**0.046**	ND
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4164.04 B46 (6-12") 12/31/98	4164.06 B47 (6-12") 12/31/98	4164.08 B48 (6-12") 12/31/98	4164.10 B49 (6-12") 12/31/98	4164.12 B50 (6-12") 12/31/98	4164.14 B51 (6-12") 12/31/98	4164.16 B52 (6-12") 12/31/98	4164.18 B53 (6-12") 12/31/98	4169.02 B54 (6-12") 1/5/99
Metals (mg/kg)										
Aluminum	50	**10300**	**9520**	**5870**	**12000**	**8490**	**10300**	**11300**	**10400**	**13200**
Antimony	0.27	**1.19**	**0.932**	**1.86**	**1.07**	**0.961**	**0.977**	**0.953**	**1.31**	ND
Arsenic	9.9	**12.7**	**14.2**	8.06	**16.8**	**18.4**	**14.3**	**26.1**	**18.2**	**25.2**
Barium	283	77.4	83.1	71.4	57.7	69.4	36.1	15.9	106	70.5
Beryllium	10	1.91	1.61	0.808	0.91	1.41	1.05	0.808	0.935	2.12
Cadmium	0.36	**1.47**	**0.701**	**0.587**	**0.804**	**0.735**	**0.918**	**0.558**	**1.65**	**1.98**
Calcium	NAV	3880	7000	1210	950	7200	887	600	865	5110
Chromium	0.4	**198**	**197**	**20.3**	**110**	**173**	**102**	**86.4**	**138**	**215**
Cobalt	13	3.23	1.55	7.19	1.81	1.21	2.66	1.21	2.31	3.04
Copper	28	6.50	4.95	**44.1**	27.0	6.42	16.4	7.28	**141**	11.3
Iron	NAV	40900	40400	12700	27500	38900	26400	28600	50100	48900
Lead	11	**19.6**	7.92	**19.4**	**32.1**	10.6	**39.0**	6.43	**263**	**19.3**
Magnesium	NAV	4200	4210	263	2460	3580	2300	2060	2540	7020
Manganese	220	43.2	25.4	69.7	77.3	20.1	28.4	24.7	125	54.1
Mercury	0.00051	**0.049**	**0.044**	**0.048**	**0.048**	**0.047**	**0.042**	**0.033**	**0.104**	**0.034**
Nickel	30	27.7	6.53	22.8	5.80	5.18	9.22	4.87	10.7	17.3
Potassium	NAV	11900	12400	677	5390	11000	5580	3980	6200	16000
Selenium	0.21	**1.91**	**2.24**	**1.75**	**1.04**	**1.74**	**1.13**	**0.99**	**0.661**	**2.21**
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	107	112	198	100	52.4	51.0	59.7	83.0	188
Vanadium	2	**67.0**	**61.2**	**27.1**	**57.9**	**52.0**	**53.3**	**50.3**	**58.6**	**86.2**
Zinc	8.5	**79.0**	**76.2**	**44.1**	**102**	**75.9**	**56.2**	**34.3**	**337**	**93.8**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4169.04 B55 (6-12") 1/5/99	4169.06 B56 (6-12") 1/5/99	4169.08 B57 (6-12") 1/5/99	4169.10 B58 (6-12") 1/5/99	4169.12 B59 (6-12") 1/5/99	4169.14 B60 (6-12") 1/5/99	4169.16 B61 (6-12") 1/5/99	4169.18 B62 (6-12") 1/5/99
Semi-Volatiles (mg/kg)									
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	0.48J	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	7.30	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1480	ND	ND	ND	ND	ND	17.0J	ND	ND
Benzo[a]anthracene	5.21	ND	ND	ND	ND	ND	**27**	ND	ND
Benzo[a]pyrene	1.52	ND	ND	ND	ND	ND	**26**	ND	ND
Benzo[b]fluoranthene	59.8	ND	ND	ND	ND	ND	23	ND	ND
Benzo[g,h,I]perylene	119	ND	ND	ND	ND	ND	18.0J	ND	ND
Benzo[k]fluoranthene	148	ND	ND	ND	ND	ND	25	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	0.14J	ND	ND	0.13J	ND	ND	ND	ND
Chrysene	4.73	ND	ND	ND	ND	ND	**29**	ND	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	1.10J	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	4.20	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	1.9	1.10J	22	2	0.90J	0.23J	0.33J	0.34J
Fluoranthene	122	ND	ND	ND	0.18J	ND	89	ND	ND
Fluorene	122	ND	ND	ND	ND	ND	8.10	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	ND	ND	13.0	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	**3.60**	ND	ND
Phenanthrene	45.7	ND	ND	ND	ND	ND	**76**	ND	ND
Pyrene	78.5	ND	ND	ND	0.19J	ND	60	ND	ND
Pesticides/PCBs (mg/kg)									
4,4'-DDD	0.758	ND	ND	0.03	0.025	ND	ND	ND	0.018
4,4'-DDE	0.596	ND	ND	0.075	0.017	ND	ND	0.015	0.013
4,4'-DDT	0.0035	ND	ND	**0.155**	ND	ND	ND	**0.04**	ND
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4169.04 B55 (6-12") 1/5/99	4169.06 B56 (6-12") 1/5/99	4169.08 B57 (6-12") 1/5/99	4169.10 B58 (6-12") 1/5/99	4169.12 B59 (6-12") 1/5/99	4169.14 B60 (6-12") 1/5/99	4169.16 B61 (6-12") 1/5/99	4169.18 B62 (6-12") 1/5/99
Metals (mg/kg)									
Aluminum	50	**14700**	**22300**	**13700**	**13500**	**16800**	**15300**	**18100**	**14200**
Antimony	0.27	**0.733**	ND	**1.34**	ND	**0.608**	ND	ND	**0.726**
Arsenic	9.9	**12.9**	**52.4**	**19.8**	**14.1**	**18.7**	**25.7**	**27.4**	**16.9**
Barium	283	9.40	42.4	42.1	73.6	42.1	25.0	25.1	18.7
Beryllium	10	1.28	0.993	1.32	2.37	1.03	1.81	2.37	0.91
Cadmium	0.36	**0.595**	**0.609**	**1.28**	**2.51**	**0.623**	**0.763**	**0.977**	**0.708**
Calcium	NAV	1330	463	1330	4410	1020	1070	1080	2160
Chromium	0.4	**172**	**135**	**172**	**198**	**114**	**211**	**277**	**98.7**
Cobalt	13	1.04	2.17	1.78	4.58	2.00	1.24	0.914	1.49
Copper	28	10.2	8.67	**45.5**	11.6	17.0	13.8	21.0	10.2
Iron	NAV	28600	33200	35100	43500	29300	50800	55600	32600
Lead	11	7.49	6.08	**58.7**	**26.2**	**30.6**	8.44	**32.4**	6.73
Magnesium	NAV	4840	3870	4980	6270	3790	6710	9020	3470
Manganese	220	35.4	60.0	177	52.3	50.2	56.6	28.8	66.5
Mercury	0.00051	ND	ND	**0.072**	**0.066**	ND	ND	ND	ND
Nickel	30	4.83	6.50	7.80	**35.3**	7.99	7.75	6.94	6.34
Potassium	NAV	9210	6320	9370	14200	6650	13900	19500	5070
Selenium	0.21	ND	**1.04**	**0.736**	**1.64**	**1.01**	**1.13**	ND	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	211	165	109	161	213	154	183	168
Vanadium	2	**81.0**	**74.5**	**80.6**	**83.0**	**63.7**	**91.2**	**119**	**57.1**
Zinc	8.5	**97.9**	**41.2**	**207**	**110**	**53.7**	**71.2**	**70.7**	**39.8**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4169.20 B63 (6-12") 1/5/99	4169.22 B64 (6-12") 1/5/99	4169.24 B65 (6-12") 1/5/99	4169.26 B66 (6-12") 1/5/99	4169.28 B67 (6-12") 1/5/99	4169.30 B68 (6-12") 1/5/99	4169.32 B69 (6-12") 1/5/99	4169.34 B70 (6-12") 1/5/99
Semi-Volatiles (mg/kg)									
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1480	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]pyrene	1.52	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	59.8	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,I]perylene	119	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	148	ND	ND	ND	0.12J	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	0.13J	ND	0.14J	0.12J	ND	ND	ND	ND
Chrysene	4.73	ND	ND	ND	0.15J	ND	ND	ND	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	1.8	0.49J	1.2	1.1	1.10J	1.7	1.00J	2.7
Fluoranthene	122	0.13J	ND	ND	0.21J	ND	ND	ND	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	ND	0.19J	ND	ND	ND	ND
Pyrene	78.5	0.12J	ND	ND	0.23J	ND	ND	ND	ND
Pesticides/PCBs (mg/kg)									
4,4'-DDD	0.758	ND	ND	ND	0.282	0.033	ND	0.028	ND
4,4'-DDE	0.596	ND	ND	ND	**0.693**	0.015	ND	0.019	ND
4,4'-DDT	0.0035	ND	ND	ND	**2.59**	ND	ND	ND	ND
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4169.20 B63 (6-12") 1/5/99	4169.22 B64 (6-12") 1/5/99	4169.24 B65 (6-12") 1/5/99	4169.26 B66 (6-12") 1/5/99	4169.28 B67 (6-12") 1/5/99	4169.30 B68 (6-12") 1/5/99	4169.32 B69 (6-12") 1/5/99	4169.34 B70 (6-12") 1/5/99
Metals (mg/kg)									
Aluminum	50	**18900**	**20800**	**17300**	**17100**	**17900**	**20000**	**7700**	**14200**
Antimony	0.27	ND	ND	ND	ND	ND	**1.47**	**1.04**	**0.494**
Arsenic	9.9	**19.3**	**32.6**	**18.2**	**28.1**	**30.2**	**23.0**	**17.4**	**14.3**
Barium	283	16.6	18.7	53.6	10.3	13.0	51.2	44.8	22.6
Beryllium	10	2.92	3.24	1.40	2.84	2.49	2.52	1.03	0.795
Cadmium	0.36	**1.11**	**1.13**	**0.556**	**0.949**	**0.814**	**1.09**	**0.495**	**0.433**
Calcium	NAV	1030	529	581	453	1200	919	848	519
Chromium	0.4	**325**	**367**	**149**	**323**	**302**	**227**	**66.0**	**101**
Cobalt	13	0.937	1.36	1.87	0.482	1.13	4.37	10.5	1.36
Copper	28	9.68	14.2	21.7	11.1	7.46	**39.1**	**283**	19.1
Iron	NAV	63400	75300	38500	62000	60300	44300	19800	25900
Lead	11	9.96	**48.0**	**12.5**	7.33	4.28	**54.5**	**39.8**	**12.3**
Magnesium	NAV	10700	12500	4760	10300	9660	6630	1850	3250
Manganese	220	35.2	23.6	67.0	19.3	24.3	37.1	91.4	49.4
Mercury	0.00051	ND	ND	**0.027**	ND	ND	ND	ND	ND
Nickel	30	8.88	8.23	6.32	6.38	7.42	16.8	**88.0**	4.87
Potassium	NAV	24700	28900	10100	24100	22000	15200	4270	5040
Selenium	0.21	**0.989**	**0.771**	**0.99**	ND	ND	**2.76**	**0.942**	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	155	159	211	115	475	212	216	92.8
Vanadium	2	**141**	**144**	**77.7**	**127**	**121**	**108**	**40.1**	**54.1**
Zinc	8.5	**71.7**	**72.0**	**48.2**	**65.2**	**59.1**	**65.6**	**93.6**	**48.1**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4169.36 B71 (6-12") 1/5/99	4173.02 B72 (6-12") 1/6/99	4173.04 B73 (6-12") 1/6/99	4173.06 B74 (6-12") 1/6/99	4173.08 B75 (6-12") 1/6/99	4173.10 B76 (6-12") 1/6/99	4173.12 B77 (6-12") 1/6/99	4173.14 B78 (6-12") 1/6/99
Semi-Volatiles (mg/kg)									
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	0.13J	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	1.40	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1480	ND	ND	ND	ND	ND	6.40	ND	ND
Benzo[a]anthracene	5.21	ND	ND	ND	ND	ND	**11.0**	ND	0.20J
Benzo[a]pyrene	1.52	ND	ND	ND	ND	ND	**10.0**	ND	0.15J
Benzo[b]fluoranthene	59.8	ND	ND	ND	ND	ND	11.0	ND	ND
Benzo[g,h,I]perylene	119	ND	ND	ND	ND	ND	4.60	ND	ND
Benzo[k]fluoranthene	148	ND	ND	ND	ND	ND	6.60	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	ND	ND	ND	0.13J	ND	ND	ND	ND
Chrysene	4.73	ND	ND	ND	ND	ND	**11.0**	ND	0.26J
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	1.20	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	0.72J	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	0.21J	ND	ND	ND
Di-n-butylphthalate	200	0.25J	0.66J	0.28J	1.3	1.2J	0.91J	0.34J	1.4
Fluoranthene	122	ND	ND	ND	ND	0.18J	25	ND	0.28J
Fluorene	122	ND	ND	ND	ND	ND	1.50	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	ND	ND	4.10	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	**0.16J**	ND	ND
Phenanthrene	45.7	ND	ND	ND	ND	ND	16	ND	0.25J
Pyrene	78.5	ND	ND	ND	ND	0.14J	18	ND	0.43J
Pesticides/PCBs (mg/kg)									
4,4'-DDD	0.758	0.101	0.017	0.001	0.017	ND	ND	0.003	**1.132**
4,4'-DDE	0.596	0.131	0.018	0.002	ND	0.001	ND	0.014	0.292
4,4'-DDT	0.0035	**0.095**	**0.025**	ND	ND	0.002	ND	**0.03**	**0.349**
alpha-Chlordane	0.224	0.04	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	0.057	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4169.36 B71 (6-12") 1/5/99	4173.02 B72 (6-12") 1/6/99	4173.04 B73 (6-12") 1/6/99	4173.06 B74 (6-12") 1/6/99	4173.08 B75 (6-12") 1/6/99	4173.10 B76 (6-12") 1/6/99	4173.12 B77 (6-12") 1/6/99	4173.14 B78 (6-12") 1/6/99
Metals (mg/kg)									
Aluminum	50	**13500**	**13500**	**15100**	**12800**	**17900**	**16200**	**19300**	**16000**
Antimony	0.27	**2.09**	ND	**0.568**	ND	ND	ND	**1.18**	**0.822**
Arsenic	9.9	**15.5**	**29.7**	**18.4**	**12.7**	**29.5**	**27.8**	**21.7**	**21.0**
Barium	283	63.2	19.8	22.7	41.0	37.6	27.2	28.5	45.4
Beryllium	10	1.33	1.98	1.52	1.04	2.47	1.85	2.90	1.76
Cadmium	0.36	**1.91**	**0.823**	**0.572**	**0.478**	**1.20**	**1.00**	**1.49**	**1.18**
Calcium	NAV	796	2030	546	636	965	1020	745	1230
Chromium	0.4	**165**	**237**	**182**	**89.4**	**301**	**215**	**327**	**206**
Cobalt	13	1.40	1.43	1.14	3.78	1.11	1.25	2.26	1.62
Copper	28	**41.8**	9.26	9.69	5.03	**45.0**	**106**	**60.3**	**44.4**
Iron	NAV	35500	53700	38300	30400	63700	47900	69300	46200
Lead	11	**93.7**	8.01	9.17	6.67	**35.3**	**96.1**	**58.2**	**74.8**
Magnesium	NAV	4670	7460	5090	3070	8980	6230	10400	6060
Manganese	220	32.5	16.2	21.9	62.7	37.0	99.1	40.1	67.1
Mercury	0.00051	**3.61**	**0.115**	**0.036**	**0.028**	**0.075**	**0.066**	**0.176**	**0.055**
Nickel	30	6.93	8.87	6.70	6.71	7.77	6.64	9.43	8.03
Potassium	NAV	9960	18100	11600	7100	21100	14100	25600	14600
Selenium	0.21	**0.716**	**0.927**	**1.17**	**0.832**	**1.30**	**1.08**	**1.72**	**0.851**
Silver	2	**2.90**	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	164	291	123	164	188	99.9	94.8	302
Vanadium	2	**68.7**	**87.3**	**79.1**	**56.0**	**123**	**94.5**	**121**	**90.9**
Zinc	8.5	**106**	**62.0**	**49.9**	**61.6**	**141**	**203**	**168**	**133**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4173.16 B79 (6-12") 1/6/99	4173.18 B80 (6-12") 1/6/99	4173.20 B81 (6-12") 1/6/99	4173.22 B82 (6-12") 1/6/99	4173.24 B83 (6-12") 1/6/99	4173.26 B84 (6-12") 1/6/99	4173.28 B85 (6-12") 1/6/99	4173.30 B86 (6-12") 1/6/99
Semi-Volatiles (mg/kg)									
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1480	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	ND	0.19J	ND	ND	ND	ND	ND
Benzo[a]pyrene	1.52	ND	ND	0.19J	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	59.8	ND	ND	0.14J	ND	ND	ND	ND	ND
Benzo[g,h,I]perylene	119	ND	ND	0.14J	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	148	ND	ND	0.20J	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	ND	ND	0.22J	ND	ND	ND	ND	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	0.13J	ND	ND	ND	ND
Di-n-butylphthalate	200	1.00J	1.2	0.87J	2.2	0.30J	0.36J	1.9	1.3
Fluoranthene	122	ND	ND	0.43J	ND	ND	ND	0.14J	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	0.17J	ND	ND	ND	ND	ND
Pyrene	78.5	ND	ND	0.34J	ND	ND	ND	ND	ND
Pesticides/PCBs (mg/kg)									
4,4'-DDD	0.758	0.007	ND	0.001	0.001	0.013	0.05	0.002	0.001
4,4'-DDE	0.596	0.022	ND	0.004	0.004	0.125	0.046	0.015	0.004
4,4'-DDT	0.0035	**0.062**	ND	**0.006**	**0.007**	**0.224**	**0.047**	**0.021**	**0.007**
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4173.16 B79 (6-12") 1/6/99	4173.18 B80 (6-12") 1/6/99	4173.20 B81 (6-12") 1/6/99	4173.22 B82 (6-12") 1/6/99	4173.24 B83 (6-12") 1/6/99	4173.26 B84 (6-12") 1/6/99	4173.28 B85 (6-12") 1/6/99	4173.30 B86 (6-12") 1/6/99
Metals (mg/kg)									
Aluminum	50	**12000**	**12100**	**16600**	**15300**	**15300**	**8640**	**19700**	**16000**
Antimony	0.27	**0.426**	**0.471**	**1.67**	**0.635**	**0.635**	ND	**0.495**	**0.512**
Arsenic	9.9	**22.7**	**19.4**	**20.7**	**21.0**	**21.0**	6.64	**27.5**	**24.8**
Barium	283	10.4	10.1	102	27.8	27.8	17.0	37.9	38.6
Beryllium	10	1.86	0.778	1.81	1.60	1.60	0.572	2.82	2.53
Cadmium	0.36	**0.759**	**0.444**	**1.65**	**1.05**	**1.05**	**0.719**	**1.79**	**1.15**
Calcium	NAV	1090	436	3110	447	447	427	1190	786
Chromium	0.4	**210**	**83.8**	**214**	**178**	**178**	**71.5**	**325**	**286**
Cobalt	13	0.564	0.953	2.23	1.01	1.01	1.32	2.09	0.935
Copper	28	24.7	8.25	**76.7**	**38.2**	**38.2**	9.02	**44.1**	**58.4**
Iron	NAV	39300	28300	44100	39900	39900	16500	76100	57700
Lead	11	**45.2**	5.47	**237**	**53.8**	**53.8**	9.32	**44.7**	**44.9**
Magnesium	NAV	5630	2510	6070	5100	5100	1710	10700	8550
Manganese	220	25.6	35.5	210	33.7	33.7	27.2	44.1	41.4
Mercury	0.00051	**0.031**	ND	**0.089**	**0.04**	**0.04**	**0.039**	**0.041**	**0.04**
Nickel	30	5.25	3.87	8.56	5.48	5.48	6.16	9.33	6.01
Potassium	NAV	13300	4370	13900	11700	11700	3620	26700	21300
Selenium	0.21	ND	ND	ND	ND	ND	ND	**1.97**	**3.33**
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	90.6	106	850	83.2	83.2	67.6	159	111
Vanadium	2	**83.5**	**47.1**	**98.0**	**77.4**	**77.4**	**46.1**	**122**	**125**
Zinc	8.5	**74.6**	**31.7**	**362**	**101**	**101**	**49.6**	**144**	**82.4**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4177.02 B87 (6-12") 1/7/99	4177.04 B88 (6-12") 1/7/99	4177.06 B89 (6-12") 1/7/99	4177.08 B90 (6-12") 1/7/99	4177.10 B91 (6-12") 1/7/99	4177.12 B92 (6-12") 1/7/99	4177.14 B93 (6-12") 1/7/99	4177.16 B94 (6-12") 1/7/99
Semi-Volatiles (mg/kg)									
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	0.15J	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1480	0.37J	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	0.62J	ND	ND	ND	ND	ND	ND	ND
Benzo[a]pyrene	1.52	0.54J	ND	ND	ND	0.12J	ND	ND	ND
Benzo[b]fluoranthene	59.8	0.48J	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,I]perylene	119	0.26J	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	148	0.52J	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	0.14J	ND	ND	ND	ND	0.16J	0.14J	ND
Chrysene	4.73	0.88J	ND	ND	ND	0.18J	ND	ND	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.83J	0.23J	0.31J	0.70J	0.92J	1.5	1.00J	0.20J
Fluoranthene	122	1.70	ND	ND	ND	0.30J	ND	ND	ND
Fluorene	122	0.13J	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	0.27J	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	1.50	ND	ND	ND	0.21J	ND	ND	ND
Pyrene	78.5	1.50	ND	ND	ND	0.26J	ND	ND	ND
Pesticides/PCBs (mg/kg)									
4,4'-DDD	0.758	0.004	0.002	0.027	0.01	ND	0.069	ND	0.003
4,4'-DDE	0.596	0.005	0.002	0.234	0.058	0.003	0.058	0.001	0.007
4,4'-DDT	0.0035	**0.009**	ND	**0.351**	**0.07**	ND	**0.347**	0.002	**0.023**
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4177.02 B87 (6-12") 1/7/99	4177.04 B88 (6-12") 1/7/99	4177.06 B89 (6-12") 1/7/99	4177.08 B90 (6-12") 1/7/99	4177.10 B91 (6-12") 1/7/99	4177.12 B92 (6-12") 1/7/99	4177.14 B93 (6-12") 1/7/99	4177.16 B94 (6-12") 1/7/99
Metals (mg/kg)									
Aluminum	50	**22100**	**17400**	**15800**	**5610**	**14700**	**14400**	**17400**	**12400**
Antimony	0.27	**1.55**	**0.789**	ND	**0.526**	**0.654**	ND	**0.434**	ND
Arsenic	9.9	**32.6**	**28.1**	**14.1**	2.96	**18.8**	**13.9**	**24.7**	**16.1**
Barium	283	153	54.1	23.7	12.4	26.4	81.9	24.1	16.4
Beryllium	10	2.57	2.26	1.54	0.375	1.14	1.83	2.58	1.35
Cadmium	0.36	**1.52**	**2.49**	**0.846**	**0.541**	**0.661**	**1.09**	**1.70**	**0.892**
Calcium	NAV	1060	885	246	221	691	4230	513	427
Chromium	0.4	**307**	**268**	**168**	**37.1**	**137**	**207**	**305**	**150**
Cobalt	13	4.48	2.38	2.18	1.14	1.45	1.47	0.971	0.93
Copper	28	**118**	**51.3**	6.72	3.52	**34.3**	**104**	20.3	18.5
Iron	NAV	63100	56000	41300	9870	26900	47800	63700	35400
Lead	11	**111**	**61.2**	6.61	3.65	**75.9**	**33.3**	**11.5**	**28.7**
Magnesium	NAV	8610	7600	4830	985	3580	5590	9110	4130
Manganese	220	145	107	33.3	24.1	42.6	29.0	34.0	22.6
Mercury	0.00051	**0.212**	**0.106**	**0.048**	**0.037**	**0.081**	**0.058**	**0.038**	**0.086**
Nickel	30	10.5	7.33	7.21	3.93	4.40	6.49	6.54	4.57
Potassium	NAV	20100	19300	12400	2090	7510	15200	24000	10500
Selenium	0.21	**2.13**	**0.91**	**0.796**	ND	ND	**1.77**	**0.666**	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	169	242	74.2	82.1	122	118	232	199
Vanadium	2	**134**	**113**	**99.5**	**22.8**	**69.5**	**82.9**	**121**	**66.8**
Zinc	8.5	**158**	**147**	**50.4**	**33.6**	**67.1**	**92.3**	**71.8**	**44.2**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4177.18 B95 (6-12") 1/7/99	4179.02 B96 (6-12") 1/11/99	4179.04 B97 (6-12") 1/11/99	4179.06 B98 (6-12") 1/11/99	4179.08 B99 (6-12") 1/11/99	4179.10 B100 (6-12") 1/11/99	4179.12 B101 (6-12") 1/11/99	4179.14 B102 (6-12") 1/11/99
Semi-Volatiles (mg/kg)									
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1480	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	ND	ND	ND	ND	ND	0.33J	ND
Benzo[a]pyrene	1.52	ND	ND	ND	ND	ND	ND	0.27J	ND
Benzo[b]fluoranthene	59.8	ND	ND	ND	ND	ND	ND	0.24J	ND
Benzo[g,h,I]perylene	119	ND	ND	ND	ND	ND	ND	0.19J	ND
Benzo[k]fluoranthene	148	ND	ND	ND	ND	ND	ND	0.29J	ND
bis(2-Ethylhexyl)phthalate	0.925	ND	ND	0.12J	0.16J	ND	0.13J	ND	ND
Chrysene	4.73	ND	ND	ND	ND	ND	ND	0.66J	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	0.19J	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.27J	0.54J	0.30J	1.3	0.38J	1.4	0.37J	0.38J
Fluoranthene	122	ND	ND	ND	ND	ND	ND	0.64J	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	ND	ND	ND	0.18J	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	ND	ND	ND	ND	0.67J	ND
Pyrene	78.5	ND	ND	ND	ND	ND	ND	0.77J	ND
Pesticides/PCBs (mg/kg)									
4,4'-DDD	0.758	0.049	0.019	0.017	0.172	0.136	ND	0.061	0.003
4,4'-DDE	0.596	0.488	0.206	0.034	0.075	0.084	0.002	0.066	0.029
4,4'-DDT	0.0035	**0.516**	**0.213**	**0.028**	**0.309**	**2.93**	0.003	**0.283**	**0.029**
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	0.002	ND
Dieldrin	0.0049	ND	ND	ND	0.001	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	0.003	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4177.18 B95 (6-12") 1/7/99	4179.02 B96 (6-12") 1/11/99	4179.04 B97 (6-12") 1/11/99	4179.06 B98 (6-12") 1/11/99	4179.08 B99 (6-12") 1/11/99	4179.10 B100 (6-12") 1/11/99	4179.12 B101 (6-12") 1/11/99	4179.14 B102 (6-12") 1/11/99
Metals (mg/kg)									
Aluminum	50	**10700**	**13600**	**12400**	**15100**	**14900**	**3190**	**1420**	**4570**
Antimony	0.27	ND	ND	ND	**0.611**	ND	**0.566**	ND	ND
Arsenic	9.9	**18.0**	8.96	**23.2**	**29.9**	**28.0**	**24.4**	6.59	9.69
Barium	283	13.8	16.6	17.6	41.5	16.9	6.78	16.0	13.6
Beryllium	10	1.66	1.06	2.03	2.12	2.80	0.162	ND	0.257
Cadmium	0.36	**1.36**	**0.743**	**1.26**	**1.66**	**1.92**	**0.415**	**0.504**	**0.569**
Calcium	NAV	180	270	765	1860	1060	432	135	148
Chromium	0.4	**113**	**109**	**231**	**237**	**317**	**41.3**	**18.9**	**40.4**
Cobalt	13	1.06	1.59	0.771	1.86	0.628	0.677	0.437	0.655
Copper	28	4.68	7.04	11.7	**32.9**	20.6	10.9	10.6	5.24
Iron	NAV	53200	30400	48600	51300	64100	7170	6930	10500
Lead	11	6.11	6.11	10.8	**47.3**	**12.2**	4.86	**24.6**	4.79
Magnesium	NAV	2970	3160	6380	6730	8860	346	163	350
Manganese	220	24.8	28.6	20.8	100	21.9	11.3	5.13	11.0
Mercury	0.00051	**0.028**	**0.062**	**0.039**	**0.102**	**0.05**	**0.031**	**0.164**	**0.04**
Nickel	30	4.84	5.57	5.70	11.0	7.42	1.46	1.23	2.31
Potassium	NAV	7970	7990	16400	17800	23800	608	369	717
Selenium	0.21	**2.12**	ND	ND	**1.23**	**0.725**	ND	ND	ND
Silver	2	ND	ND	ND	ND	ND	ND	1.03	ND
Sodium	NAV	80.1	334	139	178	93.5	63.7	63.9	87.5
Vanadium	2	**102**	**63.6**	**100**	**104**	**126**	**14.2**	**9.61**	**31.3**
Zinc	8.5	**46.7**	**40.4**	**61.7**	**95.5**	**76.1**	**24.9**	**16.6**	**27.6**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4179.16 B103 (6-12") 1/11/99	4179.18 B104 (6-12") 1/11/99	4179.20 B105 (6-12") 1/11/99	4179.22 B106 (6-12") 1/11/99	4184.02 B107 (6-12") 1/12/99	4184.04 B108 (6-12") 1/12/99	4184.06 B109 (6-12") 1/12/99	4184.08 B110 (6-12") 1/12/99
Semi-Volatiles (mg/kg)									
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1480	ND	ND	ND	ND	0.30J	ND	ND	ND
Benzo[a]anthracene	5.21	ND	ND	ND	ND	0.64J	ND	ND	ND
Benzo[a]pyrene	1.52	ND	ND	ND	ND	0.48J	ND	ND	ND
Benzo[b]fluoranthene	59.8	ND	ND	ND	ND	0.40J	ND	ND	ND
Benzo[g,h,I]perylene	119	ND	ND	ND	ND	0.26J	ND	ND	ND
Benzo[k]fluoranthene	148	ND	ND	ND	ND	0.49J	ND	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	ND	0.11J	0.16J	ND	0.15J	0.17J	0.20J	0.13J
Chrysene	4.73	ND	ND	ND	ND	0.92J	ND	ND	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	1.3	0.88J	1.3	0.37J	1.9	1.2	30	2
Fluoranthene	122	ND	ND	0.14J	0.14J	1.60	ND	ND	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	ND	0.28J	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	ND	ND	1.20	ND	ND	ND
Pyrene	78.5	ND	ND	0.13J	0.12J	1.30	ND	ND	ND
Pesticides/PCBs (mg/kg)									
4,4'-DDD	0.758	0.002	0.051	0.006	0.031	0.025	0.001	ND	0.002
4,4'-DDE	0.596	0.02	0.024	0.013	0.109	0.04	0.007	0.001	0.024
4,4'-DDT	0.0035	**0.018**	**0.005**	**0.029**	**0.355**	**0.144**	**0.006**	ND	**0.012**
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4179.16 B103 (6-12") 1/11/99	4179.18 B104 (6-12") 1/11/99	4179.20 B105 (6-12") 1/11/99	4179.22 B106 (6-12") 1/11/99	4184.02 B107 (6-12") 1/12/99	4184.04 B108 (6-12") 1/12/99	4184.06 B109 (6-12") 1/12/99	4184.08 B110 (6-12") 1/12/99
Metals (mg/kg)									
Aluminum	50	**4140**	**1600**	**1500**	**3380**	**12800**	**16600**	**17100**	**4320**
Antimony	0.27	**0.461**	ND	ND	ND	**0.663**	ND	**0.483**	**0.581**
Arsenic	9.9	6.47	1.14	**14.9**	**17.0**	**16.2**	**11.8**	**11.7**	1.90
Barium	283	16.8	4.92	34.0	10.2	26.5	26.5	26.9	10.7
Beryllium	10	0.295	ND	0.217	0.217	1.38	1.85	1.29	0.255
Cadmium	0.36	**0.418**	0.183	**0.952**	**0.532**	**0.786**	**1.02**	**0.714**	0.313
Calcium	NAV	143	73.7	9270	808	749	116	134	201
Chromium	0.4	**32.4**	**9.66**	**13.8**	**25.8**	**161**	**188**	**142**	**32.7**
Cobalt	13	0.303	0.248	1.02	0.562	0.996	1.83	1.89	0.634
Copper	28	3.56	2.61	10.3	12.5	**52.1**	**36.6**	**30.1**	23.6
Iron	NAV	7410	2320	8270	10200	37900	51300	35400	6360
Lead	11	2.21	1.21	**17.9**	7.06	**28.8**	6.91	7.09	2.60
Magnesium	NAV	214	51.0	4600	232	4880	6450	4150	728
Manganese	220	5.04	1.55	36.3	16.7	21.7	23.4	30.3	15.9
Mercury	0.00051	**0.039**	**0.055**	**0.799**	**0.154**	**0.154**	**0.054**	**0.07**	**0.055**
Nickel	30	1.54	1.44	5.85	1.81	5.69	7.82	6.76	2.43
Potassium	NAV	231	96.6	700	535	10500	15400	8550	1050
Selenium	0.21	ND	ND	**1.09**	ND	**1.14**	**0.711**	**1.11**	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	50.2	66.0	115	56.9	174	118	194	71.6
Vanadium	2	**30.3**	**9.70**	**8.80**	**14.3**	**65.7**	**98.4**	**84.4**	**23.0**
Zinc	8.5	**23.5**	**17.0**	**59.4**	**24.3**	**52.7**	**75.9**	**43.1**	**15.8**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4184.10 B111 (6-12") 1/12/99	4184.12 B112 (6-12") 1/12/99	4189.02 B113 (6-12") 1/13/99	4189.04 B114 (6-12") 1/13/99	4189.06 B115 (6-12") 1/13/99	4189.08 B116 (6-12") 1/13/99	4189.10 B117 (6-12") 1/13/99	4189.12 B118 (6-12") 1/13/99	4189.14 B119 (6-12") 1/13/99
Semi-Volatiles (mg/kg)										
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	0.13J	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	0.52J	ND	0.17J	ND	ND	ND	ND	ND
Anthracene	1480	ND	0.86J	ND	0.27J	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	2.80	ND	2.40	ND	ND	ND	ND	ND
Benzo[a]pyrene	1.52	ND	**2.30**	ND	**2.50**	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	59.8	ND	2.00	ND	2.20	ND	ND	ND	ND	ND
Benzo[g,h,I]perylene	119	ND	1.10	ND	1.50	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	148	ND	2.10	ND	2.10	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	0.14J	0.15J	ND	ND	ND	ND	0.12J	0.17J	ND
Chrysene	4.73	ND	3.90	ND	2.60	ND	ND	ND	ND	0.12J
Dibenz[a,h]anthracene	18.4	ND	0.31J	ND	0.34J	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	1.10J	1.2	0.38J	0.47J	0.38J	1.20J	0.31J	1.4	3
Fluoranthene	122	ND	7.90	ND	6.40	ND	ND	ND	ND	0.25J
Fluorene	122	ND	0.31J	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	0.95J	ND	1.20J	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	**0.11J**	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	6.10	ND	0.86J	ND	ND	ND	ND	0.11J
Pyrene	78.5	ND	6.40	ND	4.80	ND	ND	ND	0.11J	0.19J
Pesticides/PCBs (mg/kg)										
4,4'-DDD	0.758	ND	0.149	ND	0.072	0.695	ND	0.015	ND	0.022
4,4'-DDE	0.596	0.003	0.117	0.046	0.387	**0.743**	0.186	0.155	0.094	0.136
4,4'-DDT	0.0035	0.003	**0.509**	**0.036**	**0.466**	**4.142**	**0.152**	**0.165**	**0.08**	**0.113**
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	**0.013**	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND

See Notes at end of Table

Table A-7
Soil Sampling Results
M-14 Landfill Site
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4184.10 B111 (6-12") 1/12/99	4184.12 B112 (6-12") 1/12/99	4189.02 B113 (6-12") 1/13/99	4189.04 B114 (6-12") 1/13/99	4189.06 B115 (6-12") 1/13/99	4189.08 B116 (6-12") 1/13/99	4189.10 B117 (6-12") 1/13/99	4189.12 B118 (6-12") 1/13/99	4189.14 B119 (6-12") 1/13/99
Metals (mg/kg)										
Aluminum	50	**3040**	**3070**	**18000**	**16300**	**17000**	**17300**	**2720**	**12100**	**5260**
Antimony	0.27	**1.03**	**1.16**	ND	ND	**0.588**	ND	**0.792**	**0.407**	**0.424**
Arsenic	9.9	1.12	1.92	**23.3**	**25.6**	**19.3**	**23.4**	1.36	**11.8**	5.03
Barium	283	10.1	17.5	26.2	29.2	17.6	40.3	12.9	20.8	19.8
Beryllium	10	0.197	0.319	2.54	2.16	2.30	2.39	0.19	1.15	0.47
Cadmium	0.36	0.326	0.25	**1.21**	**1.09**	**1.00**	**3.17**	0.268	**0.539**	0.276
Calcium	NAV	199	299	634	1200	758	1180	162	386	235
Chromium	0.4	**19.3**	**19.8**	**308**	**254**	**258**	**280**	**16.3**	**135**	**51.0**
Cobalt	13	0.425	1.41	0.573	1.07	0.298	0.959	0.443	0.938	0.692
Copper	28	20.1	21.3	**65.4**	**31.9**	25.5	**34.2**	4.80	**33.0**	7.50
Iron	NAV	5400	8550	64400	55300	55900	57600	4980	31000	13900
Lead	11	2.41	**40.7**	**32.5**	**36.5**	**16.1**	**45.2**	8.16	**30.5**	**11.9**
Magnesium	NAV	470	831	10100	8290	8380	9020	474	4270	1520
Manganese	220	12.2	20.5	22.2	30.4	18.2	47.0	18.5	29.6	24.1
Mercury	0.00051	**0.054**	**0.066**	**0.073**	**0.97**	**0.044**	**0.069**	**0.037**	**0.313**	**0.068**
Nickel	30	2.31	3.81	7.11	7.88	6.36	8.00	2.26	10.9	3.16
Potassium	NAV	566	1910	22800	18600	19600	20500	770	9350	3070
Selenium	0.21	ND	**1.16**	**2.48**	**2.11**	**1.94**	**1.67**	**0.661**	**1.08**	**0.705**
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	69.4	79.5	148	118	238	124	74.9	130	64.9
Vanadium	2	**14.0**	**12.6**	**120**	**82.4**	**94.6**	**118**	**9.79**	**57.2**	**24.1**
Zinc	8.5	**20.1**	**37.7**	**84.9**	**85.3**	**70.5**	**256**	**26.7**	**49.8**	**32.6**

NOTES:
Exceedances of Eco-SSL soil criteria are bold and shaded.
ESC = Ecological Screening Criteria (see Section 3.3)
mg/kg = milligrams per kilogram
ND = Not Detected
NAV = No Available Value
J = Estimated Value: Mass spectrometer and retention time data indicate the presence of the analyte, however the result is less than the method detection limit, but greater than zero.

Table A-8
Soil Sampling Results
M-18 Landfill Site
Fort Monmouth, New Jersey
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4199.02 B01 (6-12") 1/20/1999	4199.04 B02 (6-12") 1/20/1999	4199.06 B03 (6-12") 1/20/1999	4199.08 B04 (6-12") 1/20/1999	4199.10 B05 (6-12") 1/20/1999	4199.12 B06 (6-12") 1/20/1999	4199.14 B07 (6-12") 1/20/1999	4199.16 B08 (6-12") 1/20/1999	4199.18 B09 (6-12") 1/20/1999	4199.20 B10 (6-12") 1/20/1999
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]pyrene	1.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	59.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,I]perylene	119	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	148	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.11J
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	ND	ND	ND	0.12J	ND	ND	ND	ND	ND	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	1.7	0.63J	0.48J	0.36J	0.37J	0.37J	1.10J	0.96J	2.5	1.3
Fluoranthene	122	ND	ND	ND	0.52J	ND	ND	ND	ND	ND	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	ND	0.17J	ND	ND	ND	ND	ND	ND
Pyrene	78.5	ND	ND	ND	0.28J	ND	ND	ND	ND	ND	ND
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	0.011	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.596	0.066	0.001	ND	ND	0.002	0.022	ND	ND	ND	ND
4,4'-DDT	0.0035	**0.111**	0.003	ND	ND	ND	**0.022**	ND	ND	ND	ND
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	0.0105	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	0.003	ND	ND	ND	ND	0.003	ND	ND	ND	ND
Heptachlor	0.00598	ND	0.001	ND	ND	0.002	ND	ND	ND	ND	ND

See Notes at End of Table

Table A-8
Soil Sampling Results
M-18 Landfill Site
Fort Monmouth, New Jersey
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4199.02 B01 (6-12") 1/20/1999	4199.04 B02 (6-12") 1/20/1999	4199.06 B03 (6-12") 1/20/1999	4199.08 B04 (6-12") 1/20/1999	4199.10 B05 (6-12") 1/20/1999	4199.12 B06 (6-12") 1/20/1999	4199.14 B07 (6-12") 1/20/1999	4199.16 B08 (6-12") 1/20/1999	4199.18 B09 (6-12") 1/20/1999	4199.20 B10 (6-12") 1/20/1999
Metals (mg/kg)											
Aluminum	50	**2140**	**15700**	**3060**	**2000**	**756**	**2750**	**5220**	**3830**	**4680**	**3100**
Antimony	0.27	**0.866**	**0.60**	ND	**0.568**	**0.528**	ND	ND	**0.445**	ND	**0.351**
Arsenic	9.9	2.58	**12.9**	3.58	2.48	1.16	3.04	4.90	4.51	5.20	2.90
Barium	283	5.29	17.6	16.7	2.98	3.33	3.40	17.6	10.1	10.0	9.40
Beryllium	10	0.325	1.84	0.648	0.446	0.147	0.499	0.952	0.698	0.983	0.323
Cadmium	0.36	0.356	**1.22**	**0.374**	**0.443**	**0.414**	**0.463**	**0.602**	**0.59**	**0.539**	**0.538**
Calcium	NAV	143	324	102	98.5	81.8	155	719	153	410	132
Chromium	0.4	**21.9**	**136**	**37.0**	**29.6**	**13.6**	**33.9**	**49.7**	**44.6**	**59.9**	**28.8**
Cobalt	13	0.379	1.40	0.388	0.483	0.22	0.561	0.762	0.638	0.772	0.657
Copper	28	ND	ND	ND	ND	ND	ND	ND	5.43	3.26	3.80
Iron	NAV	10600	58800	17700	14100	6700	19800	23100	21500	28200	14500
Lead	11	5.38	**13.6**	1.87	1.35	1.21	**14.4**	5.82	2.30	2.04	10.6
Magnesium	NAV	587	3470	818	836	271	1540	1450	1270	1870	1000
Manganese	220	7.2	29.0	8.54	6.58	3.07	13.0	26.6	11.7	9.60	18.5
Mercury	0.00051	**0.064**	**0.081**	ND	ND	ND	ND	**0.086**	**0.068**	**0.028**	**0.036**
Nickel	30	2.48	6.57	2.10	1.88	1.40	2.56	3.57	3.24	3.57	2.49
Potassium	NAV	1040	6960	2040	2280	732	4030	2920	2980	4680	2350
Selenium	0.21	ND	**1.30**	**0.617**	ND	ND	ND	**0.892**	ND	**0.678**	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	74.4	115	72.5	99.0	76.1	197	108	79.6	89.3	86.8
Vanadium	2	**19**	**92.0**	**24.8**	**16.4**	**12.2**	**23.4**	**33.3**	**33.3**	**41.2**	**23.5**
Zinc	8.5	**25.2**	**173**	**23.0**	**18.0**	**11.2**	**30.0**	**33.9**	**26.9**	**28.3**	**18.7**

See Notes at End of Table

Table A-8
Soil Sampling Results
M-18 Landfill Site
Fort Monmouth, New Jersey
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4199.22 B11 (6-12") 1/20/1999	4199.24 B12 (6-12") 1/20/1999	4199.26 B13 (6-12") 1/20/1999	4199.28 B14 (6-12") 1/20/1999	4199.30 B15 (6-12") 1/20/1999	4201.02 B16 (6-12") 1/21/1999	4201.04 B17 (6-12") 1/21/1999	4201.06 B18 (6-12") 1/21/1999	4201.08 B19 (6-12") 1/21/1999	4201.10 B20 (6-12") 1/21/1999
Semi-Volatiles (mg/kg)											
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	ND	ND	ND	ND	ND	ND	0.14J	ND	ND
Benzo[a]pyrene	1.52	ND	ND	ND	ND	ND	ND	ND	0.13J	ND	ND
Benzo[b]fluoranthene	59.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,I]perylene	119	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	148	ND	ND	ND	ND	ND	ND	ND	0.11J	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	ND	ND	ND	ND	ND	0.19J	ND	0.14J	ND	ND
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	ND	ND	ND	ND	ND	ND	ND	0.36J	ND	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	1.00J	1.10J	1.10J	1.4	0.26J	0.30J	1.4	0.76J	0.65J	0.68J
Fluoranthene	122	ND	ND	ND	ND	ND	ND	ND	0.31J	ND	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	ND	ND	ND	ND	ND	0.30J	ND	ND
Pyrene	78.5	ND	ND	ND	ND	ND	ND	ND	0.44J	ND	ND
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.596	0.001	0.001	ND	0.002	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.0035	**0.012**	**0.005**	0.002	**0.006**	ND	ND	ND	ND	ND	0.002
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	0.0105	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	0.003	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	0.002	ND	ND	ND	ND	0.001	ND	ND	0.001	ND

See Notes at End of Table

Table A-8
Soil Sampling Results
M-18 Landfill Site
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4199.22 B11 (6-12") 1/20/1999	4199.24 B12 (6-12") 1/20/1999	4199.26 B13 (6-12") 1/20/1999	4199.28 B14 (6-12") 1/20/1999	4199.30 B15 (6-12") 1/20/1999	4201.02 B16 (6-12") 1/21/1999	4201.04 B17 (6-12") 1/21/1999	4201.06 B18 (6-12") 1/21/1999	4201.08 B19 (6-12") 1/21/1999	4201.10 B20 (6-12") 1/21/1999
Metals (mg/kg)											
Aluminum	50	**1520**	**2650**	**5590**	**5210**	**3740**	**2980**	**3370**	**7120**	**3740**	**3140**
Antimony	0.27	**0.739**	**0.597**	ND	ND	**0.752**	ND	**0.892**	ND	ND	**0.838**
Arsenic	9.9	3.63	4.88	5.83	6.77	9.03	4.31	4.30	6.31	4.88	3.03
Barium	283	3.67	4.84	17.3	20.4	26.4	7.48	3.66	20.9	11.0	3.53
Beryllium	10	0.257	0.444	1.26	1.04	0.84	0.58	0.412	1.36	0.903	0.292
Cadmium	0.36	0.322	**2.27**	**0.648**	**0.646**	**0.515**	**0.372**	0.252	**0.654**	**0.423**	0.325
Calcium	NAV	121	230	489	441	939	102	592	333	577	469
Chromium	0.4	**20.2**	**35.5**	**57.2**	**61.2**	**39.1**	**37.4**	**70.1**	**70.4**	**42.0**	**53.1**
Cobalt	13	0.416	0.454	0.979	1.05	0.708	0.598	0.541	1.23	0.616	0.413
Copper	28	4.58	3.11	2.03	5.86	11.0	3.25	2.08	1.99	1.35	1.82
Iron	NAV	11400	18200	30900	31200	26200	20500	12300	35100	25400	9310
Lead	11	**12.1**	9.30	3.36	9.76	**54.3**	**15.6**	1.33	4.63	3.08	1.33
Magnesium	NAV	645	1110	1920	1920	1100	1240	874	2560	1080	601
Manganese	220	9.68	9.91	21.3	27.0	33.2	9.99	3.94	18.7	17.6	6.45
Mercury	0.00051	**0.025**	**0.031**	**0.04**	**0.044**	**0.062**	ND	ND	ND	ND	ND
Nickel	30	1.62	2.37	4.94	4.93	3.89	2.73	2.23	5.26	3.12	1.80
Potassium	NAV	1560	2720	4170	4850	2300	3160	2510	5870	2010	1730
Selenium	0.21	ND	ND	ND	**0.763**	**0.834**	ND	ND	**0.732**	**0.672**	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	89.6	90.2	99.5	108	101	85.3	111	103	96.1	79.4
Vanadium	2	**16.4**	**29.4**	**38.6**	**41.9**	**31.9**	**29.7**	**66.1**	**44.2**	**34.1**	**48.1**
Zinc	8.5	**19.5**	**24.1**	**46.0**	**46.5**	**38.7**	**22.8**	**13.8**	**43.2**	**25.0**	**12.9**

See Notes at End of Table

Table A-8
Soil Sampling Results
M-18 Landfill Site
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4201.12 B21 (6-12") 1/21/1999	4201.14 B22 (6-12") 1/21/1999	4201.16 B23 (6-12") 1/21/1999	4201.18 B24 (6-12") 1/21/1999	4201.20 B25 (6-12") 1/21/1999	4201.22 B26 (6-12") 1/21/1999	4201.24 B27 (6-12") 1/21/1999	4201.26 B28 (6-12") 1/21/1999	4201.28 B29 (6-12") 1/21/1999
Semi-Volatiles (mg/kg)										
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	ND	ND	ND	ND	ND	ND	0.11J	ND
Benzo[a]anthracene	5.21	ND	ND	ND	ND	ND	ND	ND	0.39J	0.19J
Benzo[a]pyrene	1.52	ND	ND	ND	ND	ND	ND	ND	0.48J	0.22J
Benzo[b]fluoranthene	59.8	ND	ND	ND	ND	ND	ND	ND	0.44J	0.15J
Benzo[g,h,I]perylene	119	ND	ND	ND	ND	ND	ND	ND	0.34J	0.18J
Benzo[k]fluoranthene	148	ND	ND	ND	ND	ND	ND	ND	0.45J	0.14J
bis(2-Ethylhexyl)phthalate	0.925	ND	ND	0.13J	ND	0.45J	ND	ND	0.24J	ND
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	ND	ND	ND	ND	ND	ND	ND	0.60J	0.24J
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	0.18J	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.34J	0.27J	0.27J	0.90J	0.38J	0.29J	0.27J	0.87J	0.79J
Fluoranthene	122	ND	ND	ND	ND	ND	ND	ND	0.75J	0.31J
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	ND	ND	ND	ND	0.26J	0.14J
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	ND	ND	ND	ND	ND	0.31J	0.16J
Pyrene	78.5	ND	ND	ND	ND	ND	ND	ND	0.71J	0.34J
Pesticides/PCBs (mg/kg)										
4,4'-DDD	0.758	ND	ND	ND	ND	0.002	ND	ND	0.013	0.01
4,4'-DDE	0.596	ND	0.002	ND	ND	0.003	ND	ND	0.005	0.015
4,4'-DDT	0.0035	ND	0.002	ND	ND	**0.007**	ND	ND	**0.02**	**0.005**
alpha-Chlordane	0.224	ND	ND	ND	ND	0.002	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	0.001
Endosulfan II	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	0.0105	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	0.002	ND	ND	ND	ND
Heptachlor	0.00598	ND	0.001	ND	ND	0.001	ND	0.001	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4201.12 B21 (6-12") 1/21/1999	4201.14 B22 (6-12") 1/21/1999	4201.16 B23 (6-12") 1/21/1999	4201.18 B24 (6-12") 1/21/1999	4201.20 B25 (6-12") 1/21/1999	4201.22 B26 (6-12") 1/21/1999	4201.24 B27 (6-12") 1/21/1999	4201.26 B28 (6-12") 1/21/1999	4201.28 B29 (6-12") 1/21/1999
Metals (mg/kg)										
Aluminum	50	**9430**	**3680**	**7040**	**8260**	**5020**	**5130**	**4970**	**9170**	**6560**
Antimony	0.27	**0.715**	**0.721**	ND	ND	**0.768**	**0.675**	**0.965**	**0.527**	**0.431**
Arsenic	9.9	9.41	4.05	9.16	8.73	4.93	4.58	4.24	9.50	4.72
Barium	283	6.27	5.13	19.1	12.3	23.7	3.75	4.95	70.8	28.9
Beryllium	10	0.97	0.416	1.01	1.55	0.443	0.60	0.582	1.31	0.581
Cadmium	0.36	**0.516**	0.267	**0.983**	**0.742**	**0.79**	0.328	**0.412**	**1.16**	**0.568**
Calcium	NAV	835	500	759	335	15000	148	385	2880	19500
Chromium	0.4	**129**	**61.6**	**63.4**	**97.3**	**38.2**	**87.5**	**97.5**	**110**	**46.3**
Cobalt	13	0.764	0.775	1.53	1.46	2.09	0.48	0.971	2.08	3.83
Copper	28	2.10	3.30	6.15	0.834	20.0	1.48	2.47	9.29	10.0
Iron	NAV	30900	13300	33700	46000	15000	19200	17600	28700	16500
Lead	11	2.47	4.94	**12.2**	4.12	**40.8**	1.30	2.59	**15.6**	**16.0**
Magnesium	NAV	2430	1100	1880	3030	1930	1520	1590	3450	2050
Manganese	220	9.40	14.1	37.1	24.9	52.9	4.16	7.69	41.5	67.2
Mercury	0.00051	ND	**0.031**	**0.062**	ND	**0.864**	**0.041**	ND	**0.318**	**0.09**
Nickel	30	4.15	2.64	5.85	5.91	6.78	4.62	3.62	10.5	8.27
Potassium	NAV	6940	2680	4280	7990	2100	4310	4190	7720	3370
Selenium	0.21	**0.77**	ND	**0.833**	**1.13**	**0.714**	ND	ND	**1.46**	**0.795**
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	139	89.6	108	58.0	144	44.8	65.0	149	130
Vanadium	2	**116**	**51.8**	**48.4**	**54.2**	**26.3**	**81.6**	**83.1**	**47.8**	**25.5**
Zinc	8.5	**22.8**	**19.5**	**46.0**	**42.4**	**90.4**	**18.3**	**20.7**	**67.0**	**91.0**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4201.30 B30 (6-12") 1/21/1999	4224.02 B31 (6-12") 1/27/1999	4224.04 B32 (6-12") 1/27/1999	4224.06 B33 (6-12") 1/27/1999	4224.08 B34 (6-12") 1/27/1999	4224.10 B35 (6-12") 1/27/1999	4224.12 B36 (6-12") 1/27/1999	4224.14 B37 (6-12") 1/27/1999	4224.16 B38 (6-12") 1/27/1999
Semi-Volatiles (mg/kg)										
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	0.47J	ND	ND	0.35J	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	1.10	0.23J	0.12J	0.75J	ND	0.15J	ND	ND
Benzo[a]pyrene	1.52	ND	0.98J	0.27J	0.11J	0.58J	ND	0.16J	ND	ND
Benzo[b]fluoranthene	59.8	ND	1.20	0.22J	ND	0.44J	ND	0.14J	ND	ND
Benzo[g,h,I]perylene	119	ND	0.32J	0.21J	ND	0.33J	ND	ND	ND	ND
Benzo[k]fluoranthene	148	ND	0.97J	0.26J	ND	0.53J	ND	0.17J	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	0.15J	0.23J	0.11J	ND	ND	ND	0.14J	ND	ND
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	0.13J	1.80	0.29J	0.13J	0.85J	ND	0.23J	ND	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	1.5	0.21J	0.60J	0.42J	0.89J	0.14J	0.21J	0.44J	0.16J
Fluoranthene	122	0.21J	2.90	0.41J	0.24J	2.10	ND	0.26J	0.16J	ND
Fluorene	122	ND	0.20J	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	0.32J	0.16J	ND	0.27J	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	0.14J	2.70	0.17J	ND	1.80	ND	0.14J	ND	ND
Pyrene	78.5	0.19J	3.20	0.36J	0.20J	1.60	ND	0.29J	0.15J	ND
Pesticides/PCBs (mg/kg)										
4,4'-DDD	0.758	0.018	0.014	0.027	ND	0.057	ND	0.017	0.029	ND
4,4'-DDE	0.596	0.023	0.011	0.013	ND	0.035	ND	0.012	0.017	ND
4,4'-DDT	0.0035	**0.012**	ND	ND	ND	ND	ND	ND	ND	ND
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	0.023	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	0.0105	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	0.026	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4201.30 B30 (6-12") 1/21/1999	4224.02 B31 (6-12") 1/27/1999	4224.04 B32 (6-12") 1/27/1999	4224.06 B33 (6-12") 1/27/1999	4224.08 B34 (6-12") 1/27/1999	4224.10 B35 (6-12") 1/27/1999	4224.12 B36 (6-12") 1/27/1999	4224.14 B37 (6-12") 1/27/1999	4224.16 B38 (6-12") 1/27/1999
Metals (mg/kg)										
Aluminum	50	**5520**	**8760**	**14000**	**9770**	**7690**	**6640**	**10100**	**10200**	**10100**
Antimony	0.27	**0.771**	**0.973**	**1.09**	**0.754**	**0.748**	**0.774**	**0.866**	**1.04**	**0.605**
Arsenic	9.9	8.29	9.83	**14.0**	**16.6**	8.95	3.51	4.86	**13.8**	3.29
Barium	283	52.6	50.3	75.5	41.3	47.9	14.2	22.7	54.2	18.2
Beryllium	10	0.846	1.20	2.19	1.39	1.27	0.268	0.534	1.36	0.256
Cadmium	0.36	**0.725**	ND	ND	ND	ND	**0.496**	ND	0.184	ND
Calcium	NAV	3830	5170	11800	2170	2540	518	589	2700	422
Chromium	0.4	**77.7**	**132**	**258**	**122**	**100**	**32.2**	**55.4**	**124**	**29.0**
Cobalt	13	1.22	1.63	1.08	1.98	1.38	1.83	2.28	2.26	2.14
Copper	28	8.32	7.27	5.82	8.31	8.69	4.67	12.1	**29.9**	6.00
Iron	NAV	18800	28600	56700	34900	20700	12200	18600	38300	10600
Lead	11	**39.8**	**21.2**	6.36	**20.5**	**31.1**	6.94	**23.2**	**59.2**	5.66
Magnesium	NAV	2780	4110	8590	4050	2710	800	1900	4360	760
Manganese	220	31.5	27.0	33.3	24.5	15.5	40.6	42.4	51.5	49.0
Mercury	0.00051	**0.055**	**0.06**	**0.10**	**0.09**	**0.08**	**0.04**	**0.04**	**0.32**	**0.05**
Nickel	30	5.44	7.44	8.23	9.44	5.24	4.05	6.23	9.54	5.24
Potassium	NAV	4800	8280	18800	8190	5540	1200	3250	8940	1170
Selenium	0.21	**1.11**	**1.64**	**1.86**	**1.13**	**1.67**	ND	ND	**0.98**	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	151	183	328	118	266	81.2	102	174	96.2
Vanadium	2	**30.8**	**57.3**	**92.5**	**54.3**	**45.0**	**27.2**	**37.4**	**54.5**	**24.2**
Zinc	8.5	**45.5**	**65.6**	**71.2**	**65.6**	**42.6**	**19.1**	**36.8**	**109**	**17.8**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4224.18 B39 (6-12") 1/27/1999	4224.20 B40 (6-12") 1/27/1999	4224.22 B41 (6-12") 1/27/1999	4224.24 B42 (6-12") 1/27/1999	4224.26 B43 (6-12") 1/27/1999	4224.28 B44 (6-12") 1/27/1999	4224.30 B45 (6-12") 1/27/1999	4229.02 B46 (6-12") 1/28/1999	4229.04 B47 (6-12") 1/28/1999
Semi-Volatiles (mg/kg)										
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND	ND	0.21J	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	0.41J	ND
Acenaphthylene	682	ND	ND	0.33J	ND	ND	ND	ND	0.16J	ND
Anthracene	1,480	ND	ND	0.59J	ND	0.12J	ND	ND	2.20	ND
Benzo[a]anthracene	5.21	ND	ND	0.54J	ND	0.39J	ND	ND	4.00	0.23J
Benzo[a]pyrene	1.52	ND	ND	**1.80**	ND	0.49J	ND	ND	**3.10**	0.20J
Benzo[b]fluoranthene	59.8	ND	ND	2.40	ND	0.41J	ND	ND	2.90	0.16J
Benzo[g,h,I]perylene	119	ND	ND	0.52J	ND	0.24J	ND	ND	1.90	0.12J
Benzo[k]fluoranthene	148	ND	ND	1.90	ND	0.44J	ND	ND	2.50	0.15J
bis(2-Ethylhexyl)phthalate	0.925	0.13J	ND	ND	ND	ND	ND	0.11J	0.13J	0.15J
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	ND	ND	1.90	0.22J	0.45J	0.13J	0.14J	4.50	0.36J
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	0.49J	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	0.46J	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	1.4	0.49J	1.20	0.23J	0.21J	0.11J	0.45J	1.20	1.5
Fluoranthene	122	ND	0.14J	0.37J	0.17J	0.65J	0.16J	0.12J	12.00	0.52J
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	1.10J	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	0.68J	ND	0.20J	ND	ND	15.00	ND
Naphthalene	0.0994	ND	ND	**0.15J**	ND	ND	ND	ND	**0.22J**	ND
Phenanthrene	45.7	ND	ND	0.23J	ND	0.19J	ND	ND	12.00	0.58J
Pyrene	78.5	ND	0.12J	0.60J	0.25J	0.63J	0.17J	0.18J	8.70	0.62J
Pesticides/PCBs (mg/kg)										
4,4'-DDD	0.758	ND	0.014	0.061	0.053	0.021	0.014	0.016	0.026	0.138
4,4'-DDE	0.596	ND	0.01	0.018	0.03	ND	0.011	0.011	0.018	0.051
4,4'-DDT	0.0035	ND	ND	**0.034**	ND	ND	ND	ND	ND	**0.052**
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	0.0105	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4224.18 B39 (6-12") 1/27/1999	4224.20 B40 (6-12") 1/27/1999	4224.22 B41 (6-12") 1/27/1999	4224.24 B42 (6-12") 1/27/1999	4224.26 B43 (6-12") 1/27/1999	4224.28 B44 (6-12") 1/27/1999	4224.30 B45 (6-12") 1/27/1999	4229.02 B46 (6-12") 1/28/1999	4229.04 B47 (6-12") 1/28/1999
Metals (mg/kg)										
Aluminum	50	**9100**	**9870**	**11500**	**9190**	**14100**	**12100**	**7360**	**12400**	**10700**
Antimony	0.27	ND	**0.556**	**0.91**	**1.14**	**0.933**	**0.665**	**0.547**	**1.02**	**0.837**
Arsenic	9.9	5.76	**11.1**	**10.4**	**12.0**	**14.5**	**10.7**	5.77	**15.3**	**21.5**
Barium	283	23.8	23.5	48.8	63.1	58.4	20.2	17.7	31.2	48.9
Beryllium	10	0.524	1.50	1.38	1.53	1.76	1.12	0.496	1.15	1.44
Cadmium	0.36	ND	**17.4**	ND	ND	0.127	ND	0.218	ND	ND
Calcium	NAV	947	2630	2100	2140	3530	2010	3280	1600	1660
Chromium	0.4	**51.3**	**117**	**126**	**138**	**180**	**98.5**	**48.2**	**110**	**157**
Cobalt	13	2.00	2.41	2.62	1.62	2.92	3.44	1.98	2.35	1.88
Copper	28	7.15	13.7	9.38	12.6	12.3	16.5	8.03	12.3	16.6
Iron	NAV	17000	40100	34200	36000	47700	36000	16900	30300	40400
Lead	11	**11.8**	**91.0**	**36.5**	**37.8**	**36.7**	6.12	10.9	**18.3**	**33.0**
Magnesium	NAV	1540	4290	4110	4330	6170	4070	1670	3850	4590
Manganese	220	38.4	36.2	53.9	28.6	78.5	55.9	45.5	52.4	45.9
Mercury	0.00051	**0.06**	**0.05**	**0.10**	**0.11**	**0.19**	**0.06**	**0.09**	**0.08**	**0.08**
Nickel	30	6.12	8.44	10.8	8.54	13.3	5.88	5.63	8.01	9.17
Potassium	NAV	2760	9410	8550	9200	12700	7550	2600	7180	9630
Selenium	0.21	ND	**0.889**	**1.23**	**2.19**	**1.85**	ND	**0.84**	**1.09**	**1.47**
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	107	124	118	189	239	275	171	269	182
Vanadium	2	**32.0**	**59.3**	**61.9**	**54.8**	**80.7**	**65.5**	**32.7**	**58.7**	**65.9**
Zinc	8.5	**31.3**	**1970**	**90.0**	**74.4**	**126**	**42.7**	**37.9**	**66.5**	**76.7**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4229.06 B48 (6-12") 1/28/1999	4229.08 B49 (6-12") 1/28/1999	4229.10 B50 (6-12") 1/28/1999	4229.12 B51 (6-12") 1/28/1999	4229.14 B52 (6-12") 1/28/1999	4229.16 B53 (6-12") 1/28/1999	4229.18 B54 (6-12") 1/28/1999	4229.20 B55 (6-12") 1/28/1999	4261.02 B56 (6-12") 2/9/1999
Semi-Volatiles (mg/kg)										
2-Methylnaphthalene	3.24	0.13J	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	0.64J	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	0.21J	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	0.65J	0.18J	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	0.46J	0.37J	ND	ND	ND	0.35J	ND	0.13J	ND
Benzo[a]pyrene	1.52	0.35J	0.51J	ND	ND	ND	0.36J	ND	0.14J	ND
Benzo[b]fluoranthene	59.8	0.32J	0.46J	ND	ND	ND	0.35J	ND	0.15J	ND
Benzo[g,h,I]perylene	119	0.17J	0.29J	ND	ND	ND	0.19J	ND	ND	ND
Benzo[k]fluoranthene	148	0.29J	0.42J	ND	ND	ND	0.39J	ND	0.15J	ND
bis(2-Ethylhexyl)phthalate	0.925	0.14J	0.16J	ND	0.15J	0.16J	ND	0.12J	0.18J	ND
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	0.52J	0.75J	ND	ND	0.20J	0.59J	ND	0.24J	0.65J
Dibenz[a,h]anthracene	18.4	ND	0.19J	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	1.10	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.78J	0.43J	0.80J	0.002	0.39J	0.4J	0.40J	0.35J	ND
Fluoranthene	122	1.90	0.56J	ND	ND	0.17J	0.64J	ND	0.21J	ND
Fluorene	122	0.91J	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	0.14J	0.25J	ND	ND	ND	0.19J	ND	ND	ND
Naphthalene	0.0994	**0.48J**	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	1.20	0.28J	ND	ND	0.17J	0.31J	ND	ND	ND
Pyrene	78.5	1.50	0.77J	ND	ND	0.18J	0.61J	ND	0.20J	ND
Pesticides/PCBs (mg/kg)										
4,4'-DDD	0.758	0.079	0.016	0.039	0.023	0.048	0.079	ND	0.114	0.084
4,4'-DDE	0.596	0.032	0.009	0.018	0.023	0.038	0.026	ND	0.037	0.043
4,4'-DDT	0.0035	**0.03**	ND	ND	ND	**0.073**	**0.027**	ND	ND	**0.094**
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	NAV	ND	ND	ND	ND	0.013	0.014	0.01	ND	ND
Endrin Aldehyde	0.0105	ND	ND	ND	ND	ND	ND	**0.011**	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	0.013	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND

See Notes at End of Table

Table A-8
Soil Sampling Results
M-18 Landfill Site
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4229.06 B48 (6-12") 1/28/1999	4229.08 B49 (6-12") 1/28/1999	4229.10 B50 (6-12") 1/28/1999	4229.12 B51 (6-12") 1/28/1999	4229.14 B52 (6-12") 1/28/1999	4229.16 B53 (6-12") 1/28/1999	4229.18 B54 (6-12") 1/28/1999	4229.20 B55 (6-12") 1/28/1999	4261.02 B56 (6-12") 2/9/1999
Metals (mg/kg)										
Aluminum	50	**7930**	**11200**	**13600**	**12200**	**8510**	**11200**	**9050**	**14200**	**11500**
Antimony	0.27	**1.03**	ND	**0.997**	**1.10**	**1.56**	**1.41**	ND	**1.43**	**1.08**
Arsenic	9.9	**11.1**	8.33	**11.7**	**12.4**	**27.2**	**14.3**	2.95	**13.9**	**12.8**
Barium	283	36.2	20.7	33.3	42.3	63.2	47.7	13.2	65.7	52.9
Beryllium	10	0.873	0.87	1.55	1.34	1.19	1.52	0.179	1.73	1.51
Cadmium	0.36	0.338	ND	ND	**0.668**	ND	0.294	0.194	ND	0.235
Calcium	NAV	2070	3210	1880	1200	2140	1760	266	1750	1970
Chromium	0.4	**81.4**	**85.9**	**150**	**117**	**131**	**151**	**27.1**	**151**	**143**
Cobalt	13	2.10	3.94	2.37	2.48	1.46	1.96	1.40	3.10	1.84
Copper	28	14.0	18.3	8.62	14.2	8.44	10.9	4.52	18.3	10.6
Iron	NAV	24600	28000	45100	36200	38400	37900	8710	50400	34400
Lead	11	**30.0**	**15.4**	**16.2**	**64.3**	**28.4**	**25.1**	**18.4**	**58**	**43.5**
Magnesium	NAV	2730	3320	5360	4430	4010	4560	515	5990	4130
Manganese	220	34.9	73.3	55.8	40.4	31.4	30.3	26.7	36.6	33.1
Mercury	0.00051	**0.04**	**0.25**	**0.11**	**0.69**	**0.10**	**0.14**	**0.03**	**0.76**	**0.08**
Nickel	30	8.24	11.0	7.80	9.15	8.01	10.9	4.61	10.6	9.75
Potassium	NAV	5300	5320	10500	9560	8340	9530	843	12700	8140
Selenium	0.21	**1.13**	ND	**1.13**	**1.07**	**2.96**	**2.12**	ND	**1.38**	**1.68**
Silver	2	ND	ND	ND	**2.56**	ND	ND	ND	1.31	ND
Sodium	NAV	161	132	178	161	274	104	208	258	151
Vanadium	2	**41.7**	**53.9**	**80.2**	**60.3**	**55.4**	**63.4**	**20.2**	**71.1**	**66.9**
Zinc	8.5	**84.2**	**51.2**	**76.0**	**186**	**63.6**	**82.8**	**13.5**	**109**	**99.6**

See Notes at End of Table

Table A-8
Soil Sampling Results
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4261.04 B57 (6-12") 2/9/1999	4261.06 B58 (6-12") 2/9/1999	4261.08 B59 (6-12") 2/9/1999	4261.10 B60 (6-12") 2/9/1999	4261.12 B61 (6-12") 2/9/1999	4261.14 B62 (6-12") 2/9/1999
Semi-Volatiles (mg/kg)							
2-Methylnaphthalene	3.24	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	0.41J	ND	ND	ND
Anthracene	1,480	ND	0.12J	0.19J	ND	0.12J	ND
Benzo[a]anthracene	5.21	0.27J	0.31J	0.74J	0.14J	0.37J	ND
Benzo[a]pyrene	1.52	0.34J	0.35J	0.81J	0.15J	0.42J	ND
Benzo[b]fluoranthene	59.8	0.31J	0.35J	0.66J	0.14J	0.36J	ND
Benzo[g,h,I]perylene	119	0.19J	0.20J	0.38J	0.13J	0.3J	ND
Benzo[k]fluoranthene	148	0.32J	0.36J	0.67J	0.15J	0.38J	ND
bis(2-Ethylhexyl)phthalate	0.925	0.23J	0.62J	0.21J	0.23J	0.22J	ND
Butylbenzylphthalate	0.239	ND	0.12J	ND	ND	ND	ND
Chrysene	4.73	0.55J	0.68J	1.60	0.29J	0.73J	ND
Dibenz[a,h]anthracene	18.4	ND	ND	0.20J	ND	0.14J	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	0.14J	ND
Di-n-butylphthalate	200	1.8	1.10J	0.28J	0.26J	0.79J	ND
Fluoranthene	122	0.43J	0.63J	0.79J	0.22J	0.61J	ND
Fluorene	122	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	0.17J	0.19J	0.33J	0.12J	0.28J	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	0.21J	0.23J	0.28J	ND	0.23J	ND
Pyrene	78.5	0.45J	0.60J	1.20	0.23J	0.62J	ND
Pesticides/PCBs (mg/kg)							
4,4'-DDD	0.758	0.074	0.106	0.032	0.031	0.053	0.074
4,4'-DDE	0.596	0.02	0.032	0.024	0.019	0.022	0.029
4,4'-DDT	0.0035	ND	**0.03**	**0.089**	**0.053**	**0.027**	**0.033**
alpha-Chlordane	0.224	ND	ND	ND	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND
Endosulfan II	NAV	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	0.0105	ND	ND	ND	ND	ND	ND
gamma-Chlordane	0.224	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND

See Notes at End of Table

Table A-8
Soil Sampling Results
M-18 Landfill Site
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4261.04 B57 (6-12") 2/9/1999	4261.06 B58 (6-12") 2/9/1999	4261.08 B59 (6-12") 2/9/1999	4261.10 B60 (6-12") 2/9/1999	4261.12 B61 (6-12") 2/9/1999	4261.14 B62 (6-12") 2/9/1999
Metals (mg/kg)							
Aluminum	50	**11600**	**12600**	**9750**	**8030**	**7710**	**7120**
Antimony	0.27	**0.903**	**1.31**	**0.939**	**1.04**	**1.03**	**0.676**
Arsenic	9.9	**10.5**	**13.2**	**13.4**	**17.8**	**10.2**	8.97
Barium	283	51.5	53.9	39.7	58.1	28.8	30.5
Beryllium	10	1.23	1.45	1.35	1.24	0.827	0.814
Cadmium	0.36	0.174	ND	0.344	ND	0.249	0.268
Calcium	NAV	2370	2030	1520	1220	1610	1730
Chromium	0.4	**115**	**136**	**112**	**123**	**74.4**	**67.7**
Cobalt	13	2.63	2.91	2.85	0.867	1.84	1.93
Copper	28	18.7	18.7	13.2	5.90	14.6	13.1
Iron	NAV	34200	40600	35300	34300	25600	21500
Lead	11	**66.2**	**53.7**	**36.6**	6.12	**39.2**	**40.8**
Magnesium	NAV	3940	4690	4000	3600	2360	2120
Manganese	220	47.2	49.5	80.5	19.1	37.8	24.5
Mercury	0.00051	**1.24**	**0.53**	**0.30**	**0.05**	**0.29**	**0.15**
Nickel	30	10.8	11.5	11.3	4.89	7.60	7.42
Potassium	NAV	7890	9500	8020	8160	4730	4260
Selenium	0.21	**1.44**	**1.13**	**1.77**	**2.85**	**1.37**	**0.973**
Silver	2	**4.22**	**2.30**	0.972	ND	ND	ND
Sodium	NAV	283	257	192	236	90.4	109
Vanadium	2	**61.9**	**66.6**	**49.3**	**40.0**	**39.9**	**34.7**
Zinc	8.5	**134**	**277**	**119**	**50.6**	**107**	**95.7**

NOTES:
Exceedances of Eco-SSL soil criteria are bold and shaded.
ESC = Ecological Screening Criteria (see Section 3.3)
mg/kg = milligrams per kilogram
ND = Not Detected
NAV = No Available Value
J = Estimated Value: Mass spectrometer and retention time data indicate the presence of the analyte, however the result is less than the method detection limit, but greater than zero.

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Soil Sampling Results
CW-3A Landfill Site
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4124.02 B01 (6-12") 12/8/1998	4124.04 B02 (6-12") 12/8/1998	4124.06 B03 (6-12") 12/8/1998	4124.08 B04 (6-12") 12/8/1998	4124.10 B05 (6-12") 12/8/1998	4124.12 B06 (6-12") 12/8/1998	4124.14 B07 (6-12") 12/8/1998	4124.16 B08 (6-12") 12/8/1998	4128.02 B09 (6-12") 12/9/1998	4128.04 B10 (6-12") 12/9/1998
Semi-Volatiles (mg/kg)											
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	ND	ND	ND	ND	ND	0.11J	ND	ND	ND
Benzo[a]pyrene	1.52	ND	ND	ND	ND	ND	ND	0.11J	ND	ND	ND
Benzo[b]fluoranthene	59.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,I]perylene	119	ND	ND	ND	0.13J	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	148	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	ND	ND	0.01	0.11J	0.12J	ND	ND	ND	ND	0.39J
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	0.12J	ND	ND	ND	ND	ND	0.17J	ND	ND	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	0.12J	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	0.31J	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.20J	0.90J	0.20J	0.67J	0.87J	0.61J	0.70J	0.30J	0.28J	0.80J
Fluoranthene	122	0.17J	ND	ND	ND	ND	ND	0.17J	ND	ND	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	78.5	0.17J	ND	ND	ND	ND	ND	0.24J	ND	ND	ND
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	ND	ND	ND	ND	ND	ND	0.014	ND	ND	ND
4,4'-DDE	0.596	0.031	0.008	ND	ND	ND	ND	0.009	ND	ND	ND
4,4'-DDT	0.0035	**0.063**	**0.026**	ND	ND	ND	ND	**0.025**	ND	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	0.0105	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See Notes at end of Table

Table A-9
Soil Sampling Results
CW-3A Landfill Site
Fort Monmouth, New Jersey
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4124.02 B01 (6-12") 12/8/1998	4124.04 B02 (6-12") 12/8/1998	4124.06 B03 (6-12") 12/8/1998	4124.08 B04 (6-12") 12/8/1998	4124.10 B05 (6-12") 12/8/1998	4124.12 B06 (6-12") 12/8/1998	4124.14 B07 (6-12") 12/8/1998	4124.16 B08 (6-12") 12/8/1998	4128.02 B09 (6-12") 12/9/1998	4128.04 B10 (6-12") 12/9/1998
Metals (mg/kg)											
Aluminum	50	**3090**	**3260**	**7910**	**2500**	**2570**	**2780**	**8010**	**8790**	**11300**	**11400**
Antimony	0.27	**1.08**	**0.819**	**0.421**	**0.582**	**0.605**	**0.802**	**0.373**	**0.529**	**0.499**	**0.461**
Arsenic	9.9	2.76	2.74	6.15	1.87	2.46	1.98	5.49	5.21	6.95	7.91
Barium	283	8.64	9.11	17.3	6.79	8.42	8.86	16.8	22.3	21.5	18.7
Beryllium	10	0.27	0.245	0.563	0.187	0.209	0.208	0.473	0.45	0.601	0.689
Cadmium	0.36	**0.586**	ND	ND	ND	ND	ND	ND	ND	0.272	ND
Calcium	NAV	389	505	1050	280	365	259	1020	619	880	884
Chromium	0.4	**27.1**	**24.6**	**50.4**	**20.9**	**20.7**	**21.4**	**46.3**	**42.6**	**61.6**	**66.8**
Cobalt	13	0.999	1.30	2.05	2.05	1.19	0.966	2.03	1.99	2.63	2.34
Copper	28	4.26	12.9	3.85	3.76	6.17	9.22	5.14	**52.9**	6.25	4.07
Iron	NAV	9170	8550	18000	6510	7580	7070	16000	15400	21600	22400
Lead	11	**13.1**	**17.6**	7.84	**17.1**	**13.9**	**14.1**	**12.1**	**19.3**	**37.9**	7.51
Magnesium	NAV	758	762	1660	563	607	618	1560	1320	1900	1960
Manganese	220	20.0	28.2	46.9	17.5	21.7	22.3	48.6	50.3	56.9	55.7
Mercury	0.00051	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.031**
Nickel	30	7.55	3.22	4.85	1.96	1.36	2.18	4.58	5.27	6.99	6.42
Potassium	NAV	1440	1330	2860	1040	1180	1210	2380	2240	2640	3200
Selenium	0.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NAV	122	85.9	122	73.3	77.7	62.8	74.1	108	93.1	82.6
Vanadium	2	**21.8**	**20.2**	**43.0**	**15.0**	**16.7**	**15.7**	**39.4**	**36.2**	**51.5**	**54.9**
Zinc	8.5	**20.5**	**15.9**	**22.0**	**12.3**	**15.3**	**14.2**	**22.5**	**38.4**	**36.8**	**29.1**

See Notes at end of Table

Table A-9
Soil Sampling Results
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4128.06 B11 (6-12") 12/9/1998	4128.08 B12 (6-12") 12/9/1998	4128.10 B13 (6-12") 12/9/1998	4128.12 B14 (6-12") 12/9/1998	4128.14 B15 (6-12") 12/9/1998	4128.16 B16 (6-12") 12/9/1998	4128.18 B17 (6-12") 12/9/1998	4128.20 B18 (6-12") 12/9/1998	4128.22 B19 (6-12") 12/9/1998	4128.24 B20 (6-12") 12/9/1998
Semi-Volatiles (mg/kg)											
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	ND	ND	ND	ND	ND	0.11J	ND	ND	ND
Benzo[a]pyrene	1.52	ND	ND	ND	ND	ND	0.10J	0.12J	ND	ND	ND
Benzo[b]fluoranthene	59.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,I]perylene	119	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	148	ND	ND	ND	ND	ND	ND	0.13J	ND	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	ND	0.12J	ND	0.15J	0.21J	ND	ND	**1.70**	0.17J	0.19J
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	0.13J	ND	ND
Chrysene	4.73	ND	ND	ND	0.18J	ND	0.16J	0.16J	ND	ND	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	0.57J	0.64J	0.31J	1.10J	1.5	0.31J	0.82J	0.54J	1.1	1.2
Fluoranthene	122	ND	ND	ND	0.20J	ND	0.11J	0.19J	ND	ND	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	ND	0.12J	ND	ND	0.14J	ND	ND	ND
Pyrene	78.5	ND	ND	ND	0.22J	ND	0.16J	0.25J	ND	ND	ND
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	ND	ND	ND	0.018	0.011	0.015	ND	ND	ND	ND
4,4'-DDE	0.596	ND	ND	0.073	0.028	0.089	0.06	0.014	ND	0.01	ND
4,4'-DDT	0.0035	ND	ND	**0.066**	**0.073**	**0.269**	**0.218**	**0.021**	ND	**0.015**	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	**0.012**	ND	ND	ND	ND
Endrin Aldehyde	0.0105	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See Notes at end of Table

Table A-9
Soil Sampling Results
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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4128.06 B11 (6-12") 12/9/1998	4128.08 B12 (6-12") 12/9/1998	4128.10 B13 (6-12") 12/9/1998	4128.12 B14 (6-12") 12/9/1998	4128.14 B15 (6-12") 12/9/1998	4128.16 B16 (6-12") 12/9/1998	4128.18 B17 (6-12") 12/9/1998	4128.20 B18 (6-12") 12/9/1998	4128.22 B19 (6-12") 12/9/1998	4128.24 B20 (6-12") 12/9/1998
Metals (mg/kg)											
Aluminum	50	**4790**	**4880**	**3880**	**4060**	**11300**	**9600**	**10300**	**7690**	**6810**	**8330**
Antimony	0.27	**0.699**	**1.11**	**1.93**	**1.58**	**12.5**	**6.92**	**0.573**	**0.487**	**0.455**	**0.679**
Arsenic	9.9	3.70	3.53	2.94	3.37	8.72	5.99	7.44	6.48	5.33	6.28
Barium	283	9.93	18.3	24.5	19.7	**417**	122	23.9	19.2	15.9	16.9
Beryllium	10	0.339	0.33	0.261	0.279	0.577	0.517	0.609	0.463	0.378	0.52
Cadmium	0.36	ND	ND	**0.496**	0.151	**9.12**	**3.58**	ND	ND	ND	0.12
Calcium	NAV	298	345	528	398	1180	916	1540	1090	2600	1840
Chromium	0.4	**33.3**	**29.2**	**25.9**	**28.3**	**75.3**	**50.1**	**61.9**	**44.7**	**42.4**	**52.4**
Cobalt	13	1.39	1.64	1.59	1.25	3.23	2.75	2.38	1.70	4.19	2.08
Copper	28	6.32	16.1	**29.0**	26.4	**4040**	**181**	8.03	5.16	12.2	8.51
Iron	NAV	11300	11700	9960	10300	19300	17800	21700	17500	16600	20700
Lead	11	**12.2**	**26.3**	**37.4**	**54.7**	**473**	**137**	**15.0**	7.06	5.89	**12.2**
Magnesium	NAV	949	911	865	773	1800	1410	1970	1450	2400	1990
Manganese	220	29.1	34.9	37.1	32.9	**313**	114	62.3	37.2	69.4	47.5
Mercury	0.00051	**0.028**	**0.083**	**0.133**	**0.087**	**0.435**	**0.281**	**0.048**	**0.045**	**0.032**	**0.042**
Nickel	30	3.18	3.95	3.67	3.85	15.4	11.4	6.97	5.41	12.3	5.66
Potassium	NAV	1880	1680	1460	1500	3400	2910	3180	2590	1830	2470
Selenium	0.21	ND	ND	ND	ND	**1.39**	**0.981**	ND	**0.86**	ND	ND
Silver	2	ND	ND	ND	ND	**20.4**	**2.73**	ND	ND	ND	ND
Sodium	NAV	77.8	88.6	198	94.6	120	99.2	100	108	101	90.4
Vanadium	2	**25.6**	**22.4**	**19.3**	**20.9**	**39.4**	**32.2**	**48.0**	**33.7**	**36.7**	**42.9**
Zinc	8.5	**21.6**	**26.5**	**33.7**	**34.7**	**806**	**375**	**41.8**	**36.7**	**25.1**	**62.2**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4128.26 B21 (6-12") 12/9/1998	4128.28 B22 (6-12") 12/9/1998	4128.30 B23 (6-12") 12/9/1998	4140.02 B24 (6-12") 12/14/1998	4140.04 B25 (6-12") 12/14/1998	4140.06 B26 (6-12") 12/14/1998	4140.08 B27 (6-12") 12/14/1998	4140.10 B28 (6-12") 12/14/1998	4140.12 B29 (6-12") 12/14/1998	4140.14 B30 (6-12") 12/14/1998
Semi-Volatiles (mg/kg)											
Acenaphthene	20	ND	ND	ND	ND	0.44J	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	ND	ND	ND	0.58J	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	ND	ND	ND	1.10	0.19J	0.28J	ND	ND	ND
Benzo[a]pyrene	1.52	ND	ND	ND	ND	1.10	0.17J	0.34J	ND	ND	ND
Benzo[b]fluoranthene	59.8	ND	ND	ND	ND	0.86J	0.26J	0.28J	ND	ND	ND
Benzo[g,h,I]perylene	119	ND	ND	ND	ND	0.49J	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	148	ND	ND	ND	ND	0.99J	0.24J	0.30J	ND	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	0.01	0.01	0.14J	0.18J	0.60J	0.14J	0.23J	0.15J	0.12J	0.32J
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	ND	ND	ND	ND	1.30	0.34J	0.43J	ND	0.043J	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	0.19J	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	0.13J	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	0.28J	ND	ND	0.12J	ND	ND
Di-n-butylphthalate	200	1.4	0.43J	1.2	2.9	0.49J	1.5	1.20J	0.03	1.3	1.4
Fluoranthene	122	ND	ND	ND	ND	2.70	0.47J	0.40J	ND	ND	ND
Fluorene	122	ND	ND	ND	ND	0.26J	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	ND	0.46J	ND	0.14J	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	**0.13J**	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	ND	ND	2.30	0.11J	0.29J	ND	ND	ND
Pyrene	78.5	ND	ND	ND	ND	2.30	0.56J	0.56J	ND	ND	ND
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	ND	ND	ND	ND	ND	ND	0.093	ND	ND	ND
4,4'-DDE	0.596	ND	ND	0.005	ND	0.025	0.019	0.279	ND	0.004	ND
4,4'-DDT	0.0035	ND	ND	ND	**0.007**	**0.061**	**0.025**	**0.892**	**0.007**	**0.007**	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	0.0105	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4128.26 B21 (6-12") 12/9/1998	4128.28 B22 (6-12") 12/9/1998	4128.30 B23 (6-12") 12/9/1998	4140.02 B24 (6-12") 12/14/1998	4140.04 B25 (6-12") 12/14/1998	4140.06 B26 (6-12") 12/14/1998	4140.08 B27 (6-12") 12/14/1998	4140.10 B28 (6-12") 12/14/1998	4140.12 B29 (6-12") 12/14/1998	4140.14 B30 (6-12") 12/14/1998
Metals (mg/kg)											
Aluminum	50	**9980**	**3520**	**4390**	**2390**	**6230**	**6620**	**7850**	**8140**	**10200**	**8010**
Antimony	0.27	ND	**0.826**	**0.972**	**1.09**	**1.00**	**31.3**	**3.90**	ND	ND	ND
Arsenic	9.9	9.02	9.02	3.71	2.52	6.64	**16.1**	7.10	6.90	7.33	7.75
Barium	283	22.8	14.1	11.4	11.3	18.8	82.2	77.2	18.0	19.3	16.4
Beryllium	10	0.691	0.261	0.312	0.222	0.511	0.477	0.561	0.601	0.557	0.648
Cadmium	0.36	ND	ND	0.171	0.25	0.16	**0.884**	**0.914**	0.22	ND	ND
Calcium	NAV	562	264	337	320	378	504	651	948	746	722
Chromium	0.4	**58.9**	**24.2**	**28.5**	**19.5**	**60.8**	**55.1**	**51.2**	**54.1**	**51.5**	**56.3**
Cobalt	13	2.58	1.15	1.47	0.992	1.78	2.99	2.29	2.22	2.22	2.03
Copper	28	9.35	13.4	11.9	13.4	**64.1**	**275**	**250**	5.44	3.98	6.18
Iron	NAV	24700	8650	10900	6980	14600	15600	19000	19600	18600	20300
Lead	11	10.0	**19.8**	**28.6**	**21.8**	**35.6**	**309**	**72.6**	10.2	6.56	6.65
Magnesium	NAV	1880	727	830	542	1400	1450	1540	1780	1580	1900
Manganese	220	64.5	25.7	31.3	26.2	46.4	176	54.0	57.2	51.6	47.5
Mercury	0.00051	**0.033**	**0.118**	**0.116**	**0.032**	**0.107**	**0.484**	**0.341**	**0.032**	**0.033**	**0.037**
Nickel	30	5.98	2.49	3.06	2.30	4.85	8.85	14.6	5.31	5.53	5.08
Potassium	NAV	3470	1490	1570	1120	2930	2240	2780	3040	2460	3630
Selenium	0.21	ND	ND	ND	ND	**0.724**	**0.847**	**1.06**	ND	**0.607**	**0.684**
Silver	2	ND	ND	ND	ND	ND	**3.22**	1.70	ND	ND	ND
Sodium	NAV	115	129	94.3	121	74.7	159	130	90.2	104	59.6
Vanadium	2	**47.6**	**18.6**	**23.0**	**15.8**	**39.9**	**37.2**	**39.8**	**43.1**	**44.7**	**43.5**
Zinc	8.5	**34.9**	**21.2**	**27.6**	**21.1**	**56.2**	**241**	**543**	**29.0**	**29.8**	**32.5**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4140.16 B31 (6-12") 12/14/1998	4140.18 B32 (6-12") 12/14/1998	4140.20 B33 (6-12") 12/14/1998	4140.22 B34 (6-12") 12/14/1998	4140.24 B35 (6-12") 12/14/1998	4140.26 B36 (6-12") 12/14/1998	4140.28 B37 (6-12") 12/14/1998	4140.30 B38 (6-12") 12/14/1998	4141.02 B39 (6-12") 12/15/1998	4141.04 B40 (6-12") 12/15/1998
Semi-Volatiles (mg/kg)											
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	0.15J	ND	0.16J	ND	ND	ND
Anthracene	1,480	ND	ND	ND	0.13J	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	ND	ND	0.81J	0.15J	0.12J	0.36J	0.12J	ND	ND
Benzo[a]pyrene	1.52	ND	ND	ND	0.66J	0.45J	0.12J	0.37J	0.13J	ND	ND
Benzo[b]fluoranthene	59.8	ND	ND	ND	0.47J	0.29J	0.12J	0.35J	ND	ND	ND
Benzo[g,h,I]perylene	119	ND	ND	ND	0.30J	0.28J	ND	0.20J	ND	ND	ND
Benzo[k]fluoranthene	148	ND	ND	ND	0.62J	0.28J	0.12J	0.37J	0.11J	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	0.22J	0.17J	0.19J	ND	0.17J	0.14J	0.14J	ND	ND	0.01
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	ND	ND	ND	1.10	0.25J	0.17J	0.73J	0.16J	ND	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	1.4	0.36J	0.74J	0.30J	0.69J	1.8	1.10J	0.76J	1.2	0.75J
Fluoranthene	122	ND	ND	ND	1.10	ND	0.28J	0.59J	ND	ND	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	0.22J	0.19J	ND	0.14J	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	ND	0.53J	ND	0.22J	0.52J	ND	ND	ND
Pyrene	78.5	ND	ND	ND	1.90	0.22J	0.26J	1.20	0.16J	ND	ND
Pesticides/PCBs (mg/kg)											
4,4'-DDD	0.758	ND	0.01	0.017	ND	ND	0.017	0.044	ND	ND	ND
4,4'-DDE	0.596	ND	0.028	0.041	0.009	0.014	0.057	0.03	0.031	ND	ND
4,4'-DDT	0.0035	ND	**0.026**	**0.079**	**0.016**	**0.027**	**0.071**	**0.143**	**0.041**	ND	ND
Dieldrin	0.0049	ND	ND	**0.006**	ND	ND	**0.032**	ND	**0.024**	ND	ND
Endrin Aldehyde	0.0105	ND	ND	ND	ND	ND	**0.025**	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.371	ND	ND	ND	ND	ND	ND	ND	**0.467**	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	0.253	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4140.16 B31 (6-12") 12/14/1998	4140.18 B32 (6-12") 12/14/1998	4140.20 B33 (6-12") 12/14/1998	4140.22 B34 (6-12") 12/14/1998	4140.24 B35 (6-12") 12/14/1998	4140.26 B36 (6-12") 12/14/1998	4140.28 B37 (6-12") 12/14/1998	4140.30 B38 (6-12") 12/14/1998	4141.02 B39 (6-12") 12/15/1998	4141.04 B40 (6-12") 12/15/1998
Metals (mg/kg)											
Aluminum	50	**10000**	**3860**	**2300**	**1130**	**1810**	**1560**	**1740**	**4550**	**6940**	**11500**
Antimony	0.27	**0.828**	ND	ND	**0.683**	ND	**0.878**	**1.23**	**5.55**	**0.693**	ND
Arsenic	9.9	9.45	7.57	4.24	2.01	3.00	5.20	4.91	6.54	7.39	8.35
Barium	283	35.0	26.1	22.4	5.44	6.98	29.1	18.5	59.4	15.1	31.5
Beryllium	10	0.595	0.466	0.159	ND	1.55	0.157	0.147	0.231	0.621	0.684
Cadmium	0.36	**0.472**	**2.25**	0.228	0.19	0.211	**0.506**	**0.416**	**2.39**	ND	ND
Calcium	NAV	729	989	1530	197	270	327	684	1100	469	2200
Chromium	0.4	**52.2**	**34.4**	**3.18**	**10.8**	**14.7**	**13.5**	**21.3**	**26.7**	**57.5**	**62.8**
Cobalt	13	2.74	1.09	1.98	0.50	0.718	0.515	1.13	2.49	1.93	2.69
Copper	28	25.2	3.26	11.1	8.06	4.52	17.7	18.9	**1260**	10.4	5.14
Iron	NAV	19300	13800	2590	4320	6130	4960	6020	16300	20500	22900
Lead	11	**36.4**	4.56	**11.9**	**13.9**	8.57	**21.0**	**48.0**	**266**	7.67	7.72
Magnesium	NAV	1700	847	99.9	172	245	236	438	383	1720	2050
Manganese	220	75.0	46.0	44.2	11.8	18.2	12.8	34.0	**499**	48.9	65.0
Mercury	0.00051	**0.131**	**0.037**	**0.052**	**0.036**	**0.031**	**0.047**	**0.062**	**0.121**	**0.051**	**0.057**
Nickel	30	8.21	3.54	4.41	1.38	1.58	9.33	3.29	15.5	4.95	7.02
Potassium	NAV	2890	1310	259	204	220	284	364	314	3070	3330
Selenium	0.21	**0.747**	ND	ND	ND	ND	ND	ND	**0.753**	**0.907**	ND
Silver	2	ND	ND	ND	ND	ND	1.51	ND	1.55	ND	ND
Sodium	NAV	84.1	67.0	135	50.8	38.4	103	54.1	93.1	127	158
Vanadium	2	**41.2**	**21.9**	**7.17**	**11.3**	**16.0**	**13.0**	**19.2**	**25.5**	**45.7**	**51.2**
Zinc	8.5	**88.5**	**112**	**86.3**	**16.3**	**182**	**40.0**	**64.1**	**1380**	**36.0**	**39.2**

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4141.06 B41 (6-12") 12/15/1998	4141.08 B42 (6-12") 12/15/1998	4141.10 B43 (6-12") 12/15/1998	4141.12 B44 (6-12") 12/15/1998	4141.14 B45 (6-12") 12/15/1998	4141.16 B46 (6-12") 12/15/1998	4141.18 B47 (6-12") 12/15/1998	4141.20 B48 (6-12") 12/15/1998
Semi-Volatiles (mg/kg)									
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	682	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,480	ND	ND	ND	0.19J	ND	ND	ND	ND
Benzo[a]anthracene	5.21	ND	ND	ND	0.76J	0.11J	ND	ND	ND
Benzo[a]pyrene	1.52	ND	ND	ND	0.65J	0.11J	ND	ND	ND
Benzo[b]fluoranthene	59.8	ND	ND	ND	0.48J	0.11J	ND	ND	ND
Benzo[g,h,l]perylene	119	ND	ND	ND	0.34J	ND	ND	ND	ND
Benzo[k]fluoranthene	148	ND	ND	ND	0.63J	0.13J	ND	ND	ND
bis(2-Ethylhexyl)phthalate	0.925	**3.2**	ND	ND	ND	0.11J	ND	ND	ND
Butylbenzylphthalate	0.239	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4.73	ND	ND	ND	0.91J	0.20J	ND	ND	ND
Dibenz[a,h]anthracene	18.4	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NAV	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	100	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	200	1.1	0.89J	0.35J	0.41J	1.5	0.80J	0.89J	0.80J
Fluoranthene	122	ND	ND	ND	1.50	0.26J	ND	ND	ND
Fluorene	122	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	109	ND	ND	ND	0.25J	ND	ND	ND	ND
Naphthalene	0.0994	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	45.7	ND	ND	ND	1.20	0.28J	ND	ND	ND
Pyrene	78.5	ND	ND	ND	2.10	0.34J	ND	ND	ND
Pesticides/PCBs (mg/kg)									
4,4'-DDD	0.758	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.596	ND	ND	ND	ND	0.024	0.007	ND	ND
4,4'-DDT	0.0035	ND	ND	ND	ND	**0.06**	**0.015**	ND	ND
Dieldrin	0.0049	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	0.0105	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.00598	ND	ND	ND	**0.109**	ND	ND	ND	ND
Aroclor 1254	0.371	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.371	ND	ND	ND	ND	ND	ND	ND	ND

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Lab Sample ID Field Sample Location Sample Date	ESC (mg/kg)	4141.06 B41 (6-12") 12/15/1998	4141.08 B42 (6-12") 12/15/1998	4141.10 B43 (6-12") 12/15/1998	4141.12 B44 (6-12") 12/15/1998	4141.14 B45 (6-12") 12/15/1998	4141.16 B46 (6-12") 12/15/1998	4141.18 B47 (6-12") 12/15/1998	4141.20 B48 (6-12") 12/15/1998
Metals (mg/kg)									
Aluminum	50	**7740**	**8990**	**12200**	**10400**	**3190**	**6500**	**8230**	**7400**
Antimony	0.27	ND	**1.39**	**1.59**	**1.43**	**0.933**	**0.524**	ND	ND
Arsenic	9.9	5.77	7.53	**22.7**	9.66	5.52	5.46	5.74	7.98
Barium	283	19.2	22.2	90.8	145	17.6	24.2	15.5	11.3
Beryllium	10	0.424	0.531	1.23	0.886	0.261	0.627	0.40	0.672
Cadmium	0.36	ND	ND	**0.909**	**0.667**	0.0897	0.185	0.175	ND
Calcium	NAV	625	1100	3590	1550	252	607	211	125
Chromium	0.4	**41.6**	**51.6**	**30.1**	**49.4**	**33.1**	**71.2**	**43.1**	**59.6**
Cobalt	13	2.24	1.91	8.62	7.63	1.27	1.56	1.50	1.79
Copper	28	5.97	4.41	**59.2**	**78.2**	17.0	6.98	3.23	2.11
Iron	NAV	15600	196000	35700	25100	11000	16700	16300	20700
Lead	11	7.91	**17.6**	**40.0**	**65.9**	**33.2**	**20.4**	4.80	4.27
Magnesium	NAV	1120	1480	624	1440	665	1800	1090	1650
Manganese	220	43.2	44.5	114	**228**	23.7	31.8	29.2	33.5
Mercury	0.00051	**0.055**	**0.057**	**0.096**	**0.243**	**0.037**	**0.25**	**0.055**	**0.028**
Nickel	30	5.02	5.46	23.6	18.3	3.34	4.33	5.03	4.89
Potassium	NAV	1980	2740	1820	3190	1350	4040	1470	3230
Selenium	0.21	**0.739**	ND	**2.51**	**1.37**	ND	ND	ND	ND
Silver	2	ND	ND	ND	0.792	ND	ND	ND	ND
Sodium	NAV	130	122	351	291	86.9	98.3	135	87.5
Vanadium	2	**36.2**	**42.6**	**37.2**	**36.9**	**23.7**	**44.2**	**37.2**	**49.8**
Zinc	8.5	**35.8**	**38.2**	**413**	**189**	**28.0**	**53.2**	**42.9**	**40.4**

NOTES:
Exceedances of Eco-SSL soil criteria are bold and shaded.
ESC = Ecological Screening Criteria (see Section 3.3)
mg/kg = milligrams per kilogram
ND = Not Detected
NAV = No Available Value
J = Estimated Value: Mass spectrometer and retention time data indicate the presence of the analyte, however the result is less than the method detection limit, but greater than zero.