

OBED MOUNTAIN MINE  
SOIL/SEDIMENT TABLE  
TABLE 7 - BACKGROUND CONTROL SAMPLES

Monitoring Zone	Control
Location	ENV640
Date	09-Jan-14
Depth (m)	0.3-0.5 0.5-0.8 0-0.3 0.07-0.17 0.17-0.7 0.7-1.1
Lab Report	L1412224 L1412224 L1412224 L1412224 L1412224 L1412224
Eastings (NAD83 Zone 11N)	473216 473216 473216 471817 471817 471817
Northing (NAD83 Zone 11N)	5936932 5936932 5936932 5938053 5938053 5938053

Parameter	Unit	MDL	AB Tier 1, Natural Area (Fine Sand)	CSQG FW Sediment ISQG	CSQG FW Sediment PEL						
<b>Hydrocarbons</b>											
F2 (C10-C16 Hydrocarbons)	mg/kg	20				<60	<20	<88	<20	<20	<20
Total Hydrocarbons (C6-C50)	mg/kg	20				1290	<20	1430	<20	<20	<20
Chrom. to baseline at nC50	-					0	1	0	1	1	1
Gravimetric Heavy Hydrocarbons	mg/kg	500				3150	<500	2320	<500	<500	<500
TEH: (C16-C34)	mg/kg	20				768	<20	898	<20	<20	<20
TEH: (C34-C50)	mg/kg	20				518	<20	528	<20	<20	<20
TVH	mg/kg	10				<50	<10	<70	<10	<10	<10
TVH: (C6-C10 / BTEX CORRECTED)	mg/kg	10				<50	<10	<70	<10	<10	<10
<b>Leachable Metals</b>											
Barium, extractable	mg/kg	5				31.5	36.5	16.2	27.1	21.5	20.9
Boron (B), Hot Water Ext.	mg/kg	0.1				0.69	<0.1	0.7	<0.1	<0.1	<0.1
<b>Metals</b>											
Aluminium	mg/kg	50				7880	12,100	4410	13,900	12,300	12,200
Antimony	mg/kg	0.1	20			0.28	0.12	0.16	0.19	0.26	0.28
Arsenic	mg/kg	0.1	17	5.9	17	2.98	1.68	0.97	5.48	6.65	7.15
Barium	mg/kg	0.5	750			112	116	45.7	134	121	130
Beryllium	mg/kg	0.2	5			0.42	0.45	0.24	0.6	0.53	0.57
Bismuth	mg/kg	0.2				<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Cadmium	mg/kg	0.1	3.8	0.6	3.5	2.47	0.26	3.22	0.12	0.11	0.12
Calcium	mg/kg	100				16,600	2600	14,100	3490	3130	3270
Chromium (III+VI)	mg/kg	0.5	64	37.3	90	8.63	15.8	8.07	26.4	27.9	29.6
Cobalt	mg/kg	0.1	20			3.63	3.98	1.65	8	8.34	9.69
Copper	mg/kg	0.5	63	35.7	197	19.1	7.19	15.1	10.8	10.3	12
Iron	mg/kg	50				10,100	10,200	3150	19,300	19,800	22,900
Lead	mg/kg	0.5	70	35	91.3	4.41	11.7	2.28	9.26	9.12	9.94
Lithium	mg/kg	0.5				4.03	13.9	2.31	17.8	16.3	14.6
Magnesium	mg/kg	20				1330	2950	1050	3720	3860	3970
Manganese	mg/kg	1				75.7	62.9	53.5	436	482	647
Mercury	mg/kg	0.005	12	0.17	0.486	0.119	0.0172	0.0771	0.0179	0.019	0.022
Molybdenum	mg/kg	0.1	4			0.36	0.14	0.48	0.77	0.83	1
Nickel	mg/kg	0.5	50			11.9	12	9.31	23	23.9	25.6
Phosphorus	mg/kg	50				1700	408	1580	555	624	718
Potassium	mg/kg	50				299	622	341	802	898	966
Selenium	mg/kg	0.2	1			0.32	<0.2	0.58	<0.2	<0.2	<0.2
Silver	mg/kg	0.2	20			0.32	<0.2	<0.2	<0.2	<0.2	<0.2
Sodium	mg/kg	100				<100	<100	<100	<100	<100	<100
Strontium	mg/kg	1				33.5	12	23.9	15.8	16.3	17.1
Thallium	mg/kg	0.05	1			0.104	<0.05	0.122	<0.05	<0.05	<0.05
Tin	mg/kg	2	5			<2	<2	<2	<2	<2	<2
Titanium	mg/kg	1				22.1	47	21.2	52.4	63.7	51.2
Uranium	mg/kg	0.05	33			2.13	0.59	1.33	0.639	0.627	0.728
Vanadium	mg/kg	0.2	130			12.9	23.1	7.19	27.8	26.2	26.6
Zinc	mg/kg	5	200	123	315	16.4	36.3	19.5	59.1	50.8	52.1
<b>Organic / Inorganic Carbon</b>											
CaCO3 Equivalent	%	0.8				1.21	<0.8	1.7	0.87	<0.8	<0.8
Inorganic Carbon	mg/kg	0.1				0.15	<0.1	0.2	0.1	<0.1	<0.1
TOC	% dry weight	0.1				36.9 <sup>#1</sup>	1.82 <sup>#1</sup>	38.9 <sup>#1</sup>	1.66 <sup>#1</sup>	0.76 <sup>#1</sup>	0.79 <sup>#1</sup>
Total Carbon by Combustion	%	0.1				37.1	1.8	39.1	1.8	0.8	0.8
<b>Particle Size</b>											
Soil Particle Size (>75 um)	% by weight	1				49.8	24.4	49.4	19.3	29.3	28.3
<b>Physical Tests</b>											
Moisture	%	0.1				81.6	19.6	84.8	19.6	18.9	15.7

OBED MOUNTAIN MINE  
SOIL/SEDIMENT TABLE  
TABLE 7 - BACKGROUND CONTROL SAMPLES

Monitoring Zone	Control
Location	ENV640
Date	09-Jan-14
Depth (m)	0.3-0.5 0.5-0.8 0-0.3 0.07-0.17 0.17-0.7 0.7-1.1
Lab Report	L1412224 L1412224 L1412224 L1412224 L1412224 L1412224
Easting (NAD83 Zone 11N)	473216 473216 473216 471817 471817 471817
Northing (NAD83 Zone 11N)	5936932 5936932 5936932 5938053 5938053 5938053

Parameter	Unit	MDL	AB Tier 1, Natural Area (Fine Soil)	CSQG FW Sediment ISQG	CSQG FW Sediment PEL						
<b>Polycyclic Aromatic Hydrocarbons</b>											
Benz[ <i>b</i> ]fluoranthene	mg/kg	0.005	6.2			<0.008	<0.005	<0.009	<0.005	<0.005	<0.005
C4 Benzanthracenes/Chrysenes	mg/kg	0.04				<0.06	<0.04	<0.07	<0.04	<0.04	<0.04
C4 Dibenzothiophenes	mg/kg	0.04				<0.06	<0.04	<0.07	<0.04	<0.04	<0.04
C4 Fluoranthenes/Pyrenes	mg/kg	0.04				<0.06	<0.04	<0.07	<0.04	<0.04	<0.04
C4 Naphthalenes	mg/kg	0.04				<0.06	<0.04	<0.07	<0.04	<0.04	<0.04
C4 Phenanthrenes/Anthracenes	mg/kg	0.04				<0.06	<0.04	0.366	0.046	0.049	<0.04
Biphenyl	mg/kg	0.01				<0.016	<0.01	<0.018	<0.01	<0.01	<0.01
1-Methylnaphthalene	mg/kg	0.01				<0.016	<0.01	<0.018	<0.01	<0.01	<0.01
2-methylnaphthalene	mg/kg	0.005		0.0202	0.201	0.017	0.0061	0.0092	<0.005	0.0075	0.0088
Acenaphthene	mg/kg	0.005	0.32	0.00671	0.0899	<0.008	<0.005	<0.009	<0.005	<0.005	<0.005
Acenaphthylene	mg/kg	0.005	5	0.00587	0.128	<0.008	<0.005	<0.009	<0.005	<0.005	<0.005
Anthracene	mg/kg	0.004	0.0046	0.00469	0.245	<0.008	<0.004	<0.009	<0.004	<0.004	0.0213
Benz[ <i>a</i> ]anthracene	mg/kg	0.005	0.07	0.0317	0.385	<0.008	<0.005	<0.009	<0.005	<0.005	<0.005
Benz[ <i>a</i> ]pyrene	mg/kg	0.005	0.6	0.0319	0.782	<0.008	<0.005	<0.018	<0.005	<0.005	<0.005
Acridine	mg/kg	0.005				<0.008	<0.005	<0.009	<0.005	<0.005	<0.005
Benz[ <i>e</i> ]pyrene	mg/kg	0.01				<0.016	<0.01	<0.018	<0.01	<0.01	<0.01
Benz[ <i>g,h,i</i> ]perylene	mg/kg	0.005				0.0235	<0.005	<0.009	<0.005	<0.005	<0.005
Benz[ <i>k</i> ]fluoranthene	mg/kg	0.005	6.2			<0.008	<0.005	<0.009	<0.005	<0.005	<0.005
C1 Acenaphthenes	mg/kg	0.04				<0.06	<0.04	<0.07	<0.04	<0.04	<0.04
C1 Benz[ <i>a</i> ]anthracenes/Chrysenes	mg/kg	0.04				<0.06	<0.04	<0.07	<0.04	<0.04	<0.04
C1 Benzofluoranthenes/Benzopyrenes	mg/kg	0.04				<0.06	<0.04	<0.07	<0.04	<0.04	<0.04
C1 Biphenyls	mg/kg	0.04				<0.06	<0.04	<0.07	<0.04	<0.04	<0.04
C1 Dibenzothiophenes	mg/kg	0.04				<0.06	<0.04	<0.07	<0.04	<0.04	<0.04
Chrysene	mg/kg	0.005	6.2	0.0571	0.862	<0.008	<0.005	<0.009	<0.005	<0.005	<0.005
C1 Fluoranthenes/Pyrenes	mg/kg	0.04				<0.06	<0.04	<0.07	<0.04	<0.04	<0.04
C1 Fluorenes	mg/kg	0.04				<0.06	<0.04	<0.07	<0.04	<0.04	<0.04
C1 Phenanthrenes/Anthracenes	mg/kg	0.04				<0.06	<0.04	<0.07	<0.04	<0.04	<0.04
Dibenz[ <i>a,h</i> ]anthracene	mg/kg	0.005	7.4	0.00622	0.135	<0.008	<0.005	<0.009	<0.005	<0.005	<0.005
Dibenzothiophene	mg/kg	0.01				<0.016	<0.01	<0.018	<0.01	<0.01	<0.01
Fluoranthene	mg/kg	0.005	0.032	0.111	2.355	<0.008	<0.005	<0.009	<0.005	<0.005	<0.005
Fluorene	mg/kg	0.005	0.29	0.0212	0.144	<0.008	<0.005	<0.009	<0.005	<0.005	<0.005
Indeno[1,2,3- <i>c,d</i> ]pyrene	mg/kg	0.005				<0.008	<0.005	<0.009	<0.005	<0.005	<0.005
Naphthalene	mg/kg	0.005	0.016	0.0346	0.391	0.0118	0.0052	0.0092	0.005	0.0067	0.0068
Perylene	mg/kg	0.01				<0.016	<0.01	<0.018	<0.01	<0.01	<0.01
Phenanthrene	mg/kg	0.005	0.051	0.0419	0.515	0.0217	0.0068	0.0101	0.0067	0.0112	0.0177
Pyrene	mg/kg	0.005	0.034	0.053	0.875	<0.008	<0.005	<0.009	<0.005	<0.005	<0.005
Quinoline	mg/kg	0.005				<0.008	<0.005	<0.009	<0.005	<0.005	<0.005
Retene	mg/kg	0.01				<0.016	0.019	0.366	0.046	0.049	<0.01
C2 Benzofluoranthenes/Benzopyrenes	mg/kg	0.04				<0.06	<0.04	<0.07	<0.04	<0.04	<0.04
C2 Biphenyls	mg/kg	0.04				<0.06	<0.04	<0.07	<0.04	<0.04	<0.04
C2 Dibenzothiophenes	mg/kg	0.04				<0.06	<0.04	<0.07	<0.04	<0.04	<0.04
C2 Fluoranthenes/Pyrenes	mg/kg	0.04				<0.06	<0.04	<0.07	<0.04	<0.04	<0.04
C2 Naphthalenes	mg/kg	0.04				<0.06	<0.04	<0.07	<0.04	<0.04	<0.04
C2 Phenanthrenes/Anthracenes	mg/kg	0.04				<0.06	<0.04	<0.07	<0.04	<0.04	<0.04
C2 Fluorenes	mg/kg	0.04				<0.06	<0.04	<0.07	<0.04	<0.04	<0.04
C2 subd B[ <i>a</i> ]anthracenes/Chrysenes	mg/kg	0.04				<0.06	<0.04	<0.07	<0.04	<0.04	<0.04
C3 Benzanthracenes/Chrysenes	mg/kg	0.04				<0.06	<0.04	<0.07	<0.04	<0.04	<0.04
C3 Dibenzothiophenes	mg/kg	0.04				<0.06	<0.04	<0.07	<0.04	<0.04	<0.04
C3 Fluoranthenes/Pyrenes	mg/kg	0.04				<0.06	<0.04	<0.07	<0.04	<0.04	<0.04
C3 Fluorenes	mg/kg	0.04				<0.06	<0.04	<0.07	<0.04	<0.04	<0.04
C3 Naphthalenes	mg/kg	0.04				<0.06	<0.04	<0.07	<0.04	<0.04	<0.04
C3 Phenanthrenes/Anthracenes	mg/kg	0.04				<0.06	<0.04	<0.07	<0.04	<0.04	<0.04
<b>Saturated Paste Extractables</b>											
Sulfur (as SO <sub>4</sub> )	mg/kg	11				<110 <sup>#1</sup>	<12 <sup>#1</sup>	<130 <sup>#1</sup>	<13 <sup>#1</sup>	<11 <sup>#1</sup>	<12 <sup>#1</sup>
Calcium	mg/kg	1.8				93 <sup>#1</sup>	9.5 <sup>#1</sup>	146 <sup>#1</sup>	12.4 <sup>#1</sup>	9.1 <sup>#1</sup>	9.2 <sup>#1</sup>
Chloride	mg/kg	7.4				<73 <sup>#1</sup>	<8.8 <sup>#1</sup>	<86 <sup>#1</sup>	<8.8 <sup>#1</sup>	<7.4 <sup>#1</sup>	<8.2 <sup>#1</sup>
Saturation Percentage	%	1				366	44.1	432	44.2	36.8	40.8
Electrical Conductivity (lab)	dS/m	0.01				0.141	0.135	0.187	0.183	0.124	0.119
Magnesium	mg/kg	1.1				16 <sup>#1</sup>	1.7 <sup>#1</sup>	23 <sup>#1</sup>	2.8 <sup>#1</sup>	1.9 <sup>#1</sup>	1.9 <sup>#1</sup>
pH (Lab)	pH	0.1	6-8.5			5.21	5.19	5.23	5.71	5.77	5.93
Potassium	mg/kg	0.74				7.8 <sup>#1</sup>	0.91 <sup>#1</sup>	28 <sup>#1</sup>	1.23 <sup>#1</sup>	1.03 <sup>#1</sup>	1.21 <sup>#1</sup>
Sodium	mg/kg	0.74				14.1 <sup>#1</sup>	2.02 <sup>#1</sup>	17.1 <sup>#1</sup>	1.54 <sup>#1</sup>	0.87 <sup>#1</sup>	0.84 <sup>#1</sup>
Sodium Adsorption Ratio	---	0.1				0.19 <sup>#1</sup>	0.24 <sup>#1</sup>	0.17 <sup>#1</sup>	0.15 <sup>#1</sup>	0.11 <sup>#1</sup>	0.1 <sup>#1</sup>
<b>Speciated Metals</b>											
Chromium (hexavalent)	mg/kg	0.1	0.4			<0.45	<0.1	<0.55	<0.1	0.13	<0.1
<b>Volatile Organic Compounds</b>											
Benzene	mg/kg	0.005	0.046			<0.025	<0.005	<0.035	<0.005	<0.005	<0.005
Toluene	mg/kg	0.05	0.52			<0.25	<0.05	<0.35	<0.05	<0.05	<0.05
Ethylbenzene	mg/kg	0.01	0.11			<0.075	<0.015	<0.11	<0.015	<0.015	<0.015
Xylene (m & p)	mg/kg	0.05				<0.25	<0.05	<0.35	<0.05	<0.05	<0.05
Xylene (o)	mg/kg	0.05				<0.25	<0.05	<0.35	<0.05	<0.05	<0.05
Xylenes Total	mg/kg	0.1	15			<0.5 <sup>#1</sup>	<0.1 <sup>#1</sup>	<0.7 <sup>#1</sup>	<0.1 <sup>#1</sup>	<0.1 <sup>#1</sup>	<0.1 <sup>#1</sup>
Styrene	mg/kg	0.05	0.68			<0.25	<0.05	<0.35	<0.05	<0.05	<0.05

Comments  
#1 CALC

OBED MOUNTAIN MINE  
SOIL/SEDIMENT TABLE  
TABLE 7 - BACKGROUND CONTROL SAMPLES

Monitoring Zone  
Location  
Date  
Depth (m)  
Lab Report  
Easting (NAD83 Zone 11N)  
Northing (NAD83 Zone 11N)

ENV643					
10-Jan-14					
0-0.07	0-0.18	0.4-0.5	-0.5	0-0.08	0-0.4
L1412224	L1412224	L1412224	L1412224	L1412224	L1412224
471817	471817	472046	472046	472046	472046
5938053	5938053	5939254	5939254	5939254	5939254

Parameter	Unit	MDL	AB Tier 1, Natural Area (Fine Soil)	CSQG FW Sediment ISQG	CSQG FW Sediment PEL						
<b>Hydrocarbons</b>											
F2 (C10-C16 Hydrocarbons)	mg/kg	20				<20	<20	<20	<20	<20	<20
Total Hydrocarbons (C6-C50)	mg/kg	20				<20	21	<20	<20	2990	90
Chrom. to baseline at nC50	-					1	1	1	1	0	1
Gravimetric Heavy Hydrocarbons	mg/kg	500				<500	<500	<500	<500	6710	<500
TEH: (C16-C34)	mg/kg	20				<20	<20	<20	<20	1590	50
TEH: (C34-C50)	mg/kg	20				<20	21	<20	<20	1400	40
TVH	mg/kg	10				<10	<10	<10	<10	<30	<10
TVH: (C6-C10 / BTEX CORRECTED)	mg/kg	10				<10	<10	<10	<10	<30	<10
<b>Leachable Metals</b>											
Barium, extractable	mg/kg	5				31.4	31.1	34.5	43.7	26.5	20.1
Boron (B), Hot Water Ext.	mg/kg	0.1				0.27	0.29	<0.1	<0.1	0.36	0.14
<b>Metals</b>											
Aluminium	mg/kg	50				12,400	15,500	15,000	15,400	1220	5490
Antimony	mg/kg	0.1	20			0.62	0.19	0.35	0.44	0.1	<0.1
Arsenic	mg/kg	0.1	17	5.9	17	13.6	4.58	6.88	7.8	0.56	2.26
Barium	mg/kg	0.5	750			336	171	136	169	29.2	51.3
Beryllium	mg/kg	0.2	5			0.74	0.79	0.68	0.8	<0.2	<0.2
Bismuth	mg/kg	0.2				0.23	<0.2	<0.2	<0.2	<0.2	<0.2
Cadmium	mg/kg	0.1	3.8	0.6	3.5	0.52	0.3	<0.1	<0.1	0.75	0.21
Calcium	mg/kg	100				4820	6830	2930	3620	4370	1300
Chromium (III+VI)	mg/kg	0.5	64	37.3	90	21.6	19.2	25.1	23.3	12.9	9.33
Cobalt	mg/kg	0.1	20			10.9	7.55	7.05	9.41	0.97	2.05
Copper	mg/kg	0.5	63	35.7	197	24.4	11.8	13.7	19.3	3.76	2.9
Iron	mg/kg	50				27,500	19,100	21,100	21,300	1810	8060
Lead	mg/kg	0.5	70	35	91.3	13.4	9.16	8.64	10.1	5.41	4.35
Lithium	mg/kg	0.5				15.6	16.5	10.9	10.2	<0.5	6.49
Magnesium	mg/kg	20				3850	3670	4100	4350	681	1110
Manganese	mg/kg	1				419	647	170	435	41.5	66.7
Mercury	mg/kg	0.005	12	0.17	0.486	0.0175	0.0279	0.0191	0.0467	0.115	0.0118
Molybdenum	mg/kg	0.1	4			2.51	0.77	0.73	0.64	0.62	0.52
Nickel	mg/kg	0.5	50			29.1	19.6	22.5	25.9	7.29	5.33
Phosphorus	mg/kg	50				809	744	370	469	434	293
Potassium	mg/kg	50				1700	943	745	791	401	374
Selenium	mg/kg	0.2	1			1.1	<0.2	<0.2	<0.2	<0.2	<0.2
Silver	mg/kg	0.2	20			0.21	<0.2	<0.2	<0.2	<0.2	<0.2
Sodium	mg/kg	100				<100	<100	<100	<100	<100	<100
Strontium	mg/kg	1				49.1	22.3	14.1	17.6	11.6	5.7
Thallium	mg/kg	0.05	1			0.239	0.088	<0.05	<0.05	<0.05	<0.05
Tin	mg/kg	2	5			<2	<2	<2	<2	<2	<2
Titanium	mg/kg	1				38.7	28.4	44.6	42.7	12.4	25.7
Uranium	mg/kg	0.05	33			1.33	0.769	0.587	0.791	0.092	0.217
Vanadium	mg/kg	0.2	130			41.6	28.8	31.1	33	2.67	15.3
Zinc	mg/kg	5	200	123	315	101	69.5	47.1	53.4	22.3	28
<b>Organic / Inorganic Carbon</b>											
CaCO3 Equivalent	%	0.8				<0.8	<0.8	<0.8	<0.8	1.65	<0.8
Inorganic Carbon	mg/kg	0.1				<0.1	<0.1	<0.1	<0.1	0.2	<0.1
TOC	% dry weight	0.1				1.97 <sup>#1</sup>	5.84 <sup>#1</sup>	0.42 <sup>#1</sup>	0.64 <sup>#1</sup>	41.1 <sup>#1</sup>	1.27 <sup>#1</sup>
Total Carbon by Combustion	%	0.1				2	5.8	0.4	0.6	41.3	1.3
<b>Particle Size</b>											
Soil Particle Size (>75 um)	% by weight	1				24.3	25.6	43.4	45.1	49.6	39.2
<b>Physical Tests</b>											
Moisture	%	0.1				19	30.6	15.6	15.9	70.1	25.1

OBED MOUNTAIN MINE  
SOIL/SEDIMENT TABLE  
TABLE 7 - BACKGROUND CONTROL SAMPLES

Monitoring Zone	ENV643					
Location	10-Jan-14					
Date	0-0.07	0-0.18	0.4-0.5	-0.5	0-0.08	0-0.4
Depth (m)	L1412224	L1412224	L1412224	L1412224	L1412224	L1412224
Lab Report	471817	471817	472046	472046	472046	472046
Eastings (NAD83 Zone 11N)	5938053	5938053	5939254	5939254	5939254	5939254
Northing (NAD83 Zone 11N)	5938053	5938053	5939254	5939254	5939254	5939254

Parameter	Unit	MDL	AB Tier 1, Natural Area (Fine Soil)	CSQG FW Sediment ISQG	CSQG FW Sediment PEL						
<b>Polycyclic Aromatic Hydrocarbons</b>											
Benzofluoranthene	mg/kg	0.005	6.2			<0.005	<0.005	<0.005	<0.005	<0.022	<0.005
C4 Benzanthracenes/Chrysenes	mg/kg	0.04				<0.04	<0.04	<0.04	<0.04	<0.18	<0.04
C4 Dibenzothiophenes	mg/kg	0.04				<0.04	<0.04	<0.04	<0.04	0.56	<0.04
C4 Fluoranthenes/Pyrenes	mg/kg	0.04				<0.04	<0.04	<0.04	<0.04	<0.18	<0.04
C4 Naphthalenes	mg/kg	0.04				<0.04	<0.04	<0.04	<0.04	0.2	<0.04
C4 Phenanthrenes/Anthracenes	mg/kg	0.04				<0.04	0.141	<0.04	<0.04	0.29	<0.04
Biphenyl	mg/kg	0.01				<0.01	<0.01	<0.01	<0.01	<0.044	<0.01
1-Methylnaphthalene	mg/kg	0.01				<0.01	<0.01	<0.01	<0.01	<0.044	<0.01
2-methylnaphthalene	mg/kg	0.005		0.0202	0.201	0.0053	0.0088	<0.005	<0.005	<0.022	<0.005
Acenaphthene	mg/kg	0.005	0.32	0.00671	0.0899	<0.005	<0.005	<0.005	<0.005	<0.022	<0.005
Acenaphthylene	mg/kg	0.005	5	0.00587	0.128	<0.005	<0.005	<0.005	<0.005	<0.022	<0.005
Anthracene	mg/kg	0.004	0.0046	0.00469	0.245	<0.004	<0.004	<0.004	<0.004	<0.022	<0.004
Benz(a)anthracene	mg/kg	0.005	0.07	0.0317	0.385	<0.005	<0.005	<0.005	<0.005	<0.022	<0.005
Benzo(a)pyrene	mg/kg	0.005	0.6	0.0319	0.782	<0.005	<0.005	<0.005	<0.005	<0.022	<0.005
Acridine	mg/kg	0.005				<0.005	<0.005	<0.005	<0.005	<0.022	<0.005
Benzo(e)pyrene	mg/kg	0.01				<0.01	<0.01	<0.01	<0.01	<0.044	<0.01
Benzo(g,h)perylene	mg/kg	0.005				<0.005	<0.005	<0.005	<0.005	<0.022	<0.005
Benzo(k)fluoranthene	mg/kg	0.005	6.2			<0.005	<0.005	<0.005	<0.005	<0.022	<0.005
C1 Acenaphthenes	mg/kg	0.04				<0.04	<0.04	<0.04	<0.04	<0.18	<0.04
C1 Benz(a)Anthracenes/Chrysenes	mg/kg	0.04				<0.04	<0.04	<0.04	<0.04	<0.18	<0.04
C1 Benzofluoranthenes/Benzopyrenes	mg/kg	0.04				<0.04	<0.04	<0.04	<0.04	<0.18	<0.04
C1 Biphenyls	mg/kg	0.04				<0.04	<0.04	<0.04	<0.04	<0.18	<0.04
C1 Dibenzothiophenes	mg/kg	0.04				<0.04	<0.04	<0.04	<0.04	<0.18	<0.04
Chrysene	mg/kg	0.005	6.2	0.0571	0.862	<0.005	<0.005	<0.005	<0.005	<0.022	<0.005
C1 Fluoranthenes/Pyrenes	mg/kg	0.04				<0.04	<0.04	<0.04	<0.04	<0.18	<0.04
C1 Fluorenes	mg/kg	0.04				<0.04	<0.04	<0.04	<0.04	0.2	<0.04
C1 Phenanthrenes/Anthracenes	mg/kg	0.04				<0.04	<0.04	<0.04	<0.04	<0.18	<0.04
Dibenz(a,h)anthracene	mg/kg	0.005	7.4	0.00622	0.135	<0.005	<0.005	<0.005	<0.005	<0.022	<0.005
Dibenzothiophene	mg/kg	0.01				<0.01	<0.01	<0.01	<0.01	<0.044	<0.01
Fluoranthene	mg/kg	0.005	0.032	0.111	2.355	<0.005	<0.005	<0.005	<0.005	<0.022	<0.005
Fluorene	mg/kg	0.005	0.29	0.0212	0.144	<0.005	<0.005	<0.005	<0.005	<0.022	<0.005
Indeno(1,2,3-c,d)pyrene	mg/kg	0.005				<0.005	<0.005	<0.005	<0.005	<0.022	<0.005
Naphthalene	mg/kg	0.005	0.016	0.0346	0.391	0.0051	0.0104	<0.005	<0.005	<0.022	<0.005
Perylene	mg/kg	0.01				<0.01	<0.01	<0.01	<0.01	<0.044	<0.01
Phenanthrene	mg/kg	0.005	0.051	0.0419	0.515	0.0069	0.0111	<0.005	<0.005	<0.022	<0.005
Pyrene	mg/kg	0.005	0.034	0.053	0.875	<0.005	<0.005	<0.005	<0.005	<0.022	<0.005
Quinoline	mg/kg	0.005				<0.005	<0.005	<0.005	<0.005	<0.022	<0.005
Retene	mg/kg	0.01				0.032	0.141	<0.01	<0.01	0.137	<0.01
C2 Benzofluoranthenes/Benzopyrenes	mg/kg	0.04				<0.04	<0.04	<0.04	<0.04	<0.18	<0.04
C2 Biphenyls	mg/kg	0.04				<0.04	<0.04	<0.04	<0.04	<0.18	<0.04
C2 Dibenzothiophenes	mg/kg	0.04				<0.04	<0.04	<0.04	<0.04	0.21	<0.04
C2 Fluoranthenes/Pyrenes	mg/kg	0.04				<0.04	<0.04	<0.04	<0.04	<0.18	<0.04
C2 Naphthalenes	mg/kg	0.04				<0.04	<0.04	<0.04	<0.04	<0.18	<0.04
C2 Phenanthrenes/Anthracenes	mg/kg	0.04				<0.04	<0.04	<0.04	<0.04	<0.18	<0.04
C2 Fluorenes	mg/kg	0.04				<0.04	<0.04	<0.04	<0.04	<0.18	<0.04
C2 subd B(a)Anthracenes/Chrysenes	mg/kg	0.04				<0.04	<0.04	<0.04	<0.04	<0.18	<0.04
C3 Benzanthracenes/Chrysenes	mg/kg	0.04				<0.04	<0.04	<0.04	<0.04	<0.18	<0.04
C3 Dibenzothiophenes	mg/kg	0.04				<0.04	<0.04	<0.04	<0.04	<0.18	<0.04
C3 Fluoranthenes/Pyrenes	mg/kg	0.04				<0.04	<0.04	<0.04	<0.04	<0.18	<0.04
C3 Fluorenes	mg/kg	0.04				<0.04	<0.04	<0.04	<0.04	0.55	<0.04
C3 Naphthalenes	mg/kg	0.04				<0.04	<0.04	<0.04	<0.04	0.22	<0.04
C3 Phenanthrenes/Anthracenes	mg/kg	0.04				<0.04	<0.04	<0.04	<0.04	<0.18	<0.04
<b>Saturated Paste Extractables</b>											
Sulfur (as SO4)	mg/kg	11				<14 <sup>#1</sup>	<29 <sup>#1</sup>	<11 <sup>#1</sup>	<12 <sup>#1</sup>	<110 <sup>#1</sup>	<16 <sup>#1</sup>
Calcium	mg/kg	1.8				12.3 <sup>#1</sup>	56.9 <sup>#1</sup>	8.1 <sup>#1</sup>	7.1 <sup>#1</sup>	120 <sup>#1</sup>	14.1 <sup>#1</sup>
Chloride	mg/kg	7.4				<9.1 <sup>#1</sup>	<19 <sup>#1</sup>	<7.4 <sup>#1</sup>	<8 <sup>#1</sup>	<75 <sup>#1</sup>	<11 <sup>#1</sup>
Saturation Percentage	%	1				45.6	92.6	36.9	40.1	373	54.4
Electrical Conductivity (lab)	dS/m	0.01				0.152	0.36	0.135	0.108	0.292	0.137
Magnesium	mg/kg	1.1				2.6 <sup>#1</sup>	11.8 <sup>#1</sup>	1.7 <sup>#1</sup>	1.6 <sup>#1</sup>	39 <sup>#1</sup>	3.5 <sup>#1</sup>
pH (Lab)	pH	0.1	6-8.5			5.73	5.61	5.33	5.51	3.8	4.41
Potassium	mg/kg	0.74				1.16 <sup>#1</sup>	3.5 <sup>#1</sup>	<0.74 <sup>#1</sup>	<0.8 <sup>#1</sup>	97.4 <sup>#1</sup>	2.6 <sup>#1</sup>
Sodium	mg/kg	0.74				1.04 <sup>#1</sup>	2.6 <sup>#1</sup>	0.94 <sup>#1</sup>	1.14 <sup>#1</sup>	<7.5 <sup>#1</sup>	1.4 <sup>#1</sup>
Sodium Adsorption Ratio	---	0.1				0.1 <sup>#1</sup>	<0.1 <sup>#1</sup>	0.13 <sup>#1</sup>	0.16 <sup>#1</sup>	<0.1 <sup>#1</sup>	0.12 <sup>#1</sup>
<b>Speciated Metals</b>											
Chromium (hexavalent)	mg/kg	0.1	0.4			<0.1	<0.25	0.18	0.15	<1.5	<0.1
<b>Volatile Organic Compounds</b>											
Benzene	mg/kg	0.005	0.046			<0.005	<0.005	<0.005	<0.005	<0.015	<0.005
Toluene	mg/kg	0.05	0.52			<0.05	<0.05	<0.05	<0.05	<0.15	<0.05
Ethylbenzene	mg/kg	0.01	0.11			<0.015	<0.015	<0.015	<0.015	<0.045	<0.015
Xylene (m & p)	mg/kg	0.05				<0.05	<0.05	<0.05	<0.05	<0.15	<0.05
Xylene (o)	mg/kg	0.05				<0.05	<0.05	<0.05	<0.05	<0.15	<0.05
Xylenes Total	mg/kg	0.1	15			<0.1 <sup>#1</sup>	<0.1 <sup>#1</sup>	<0.1 <sup>#1</sup>	<0.1 <sup>#1</sup>	<0.3 <sup>#1</sup>	<0.1 <sup>#1</sup>
Styrene	mg/kg	0.05	0.68			<0.05	<0.05	<0.05	<0.05	<0.15	<0.05

Comments  
#1 CALC