

Table 1. Summary of Analytical Results

Station Name	Units	Residential Soil Screening Level	BACKFILL	BS1	BS2	BS3	BS4	BS4	BS4	BS5	BS5	BS5	FS1	FS1	FS2	FS2	SB1
Sample Date			11/10/2022	9/8/2022	9/8/2022	11/10/2022	4/10/2025	4/10/2025	4/10/2025	4/10/2025	4/10/2025	4/10/2025	9/12/2022	11/11/2022	9/12/2022	11/10/2022	8/29/2024
Sample Depth			0 - 0 ft	0.5 - 0.5 ft	0.5 - 0.5 ft	6 - 6 ft	2 - 2 ft	6 - 6 ft	10 - 10 ft	2 - 2 ft	6 - 6 ft	10 - 10 ft	9 - 9 ft	10 - 10 ft	7.5 - 7.5 ft	9 - 9 ft	4 - 4 ft
VOCs																	
1,2,4-Trimethylbenzene	mg/kg	30	<0.002	<0.002	0.00394	<0.002	NM	NM	NM	NM	NM	NM	<0.002	<0.002	<0.002	NM	NM
1,3,5-Trimethylbenzene	mg/kg	27	<0.002	<0.002	<0.002	<0.002	NM	NM	NM	NM	NM	NM	<0.002	<0.002	<0.002	NM	NM
Benzene	mg/kg	1.2	<0.002	<0.002	<0.002	<0.002	NM	NM	NM	NM	NM	NM	<0.002	<0.002	<0.002	NM	NM
Ethylbenzene	mg/kg	5.8	<0.002	<0.002	<0.002	<0.002	NM	NM	NM	NM	NM	NM	<0.002	<0.002	<0.002	NM	NM
Toluene	mg/kg	490	<0.002	<0.002	<0.002	<0.002	NM	NM	NM	NM	NM	NM	<0.002	<0.002	<0.002	NM	NM
Xylenes, Total	mg/kg	58	<0.002	<0.002	<0.002	<0.002	NM	NM	NM	NM	NM	NM	<0.002	<0.002	<0.002	NM	NM
Semi-VOCs																	
1-Methylnaphthalene	mg/kg	18	NM	<0.00335	<0.00335	NM	NM	NM	NM	NM	NM	NM	0.271	NM	0.000652	NM	NM
2-Methylnaphthalene	mg/kg	24	NM	<0.00335	<0.00335	NM	NM	NM	NM	NM	NM	NM	0.149	NM	<0.00067	NM	NM
Acenaphthene	mg/kg	360	NM	<0.00335	<0.00335	NM	NM	NM	NM	NM	NM	NM	0.0126	NM	<0.00067	NM	NM
Anthracene	mg/kg	1,800	NM	<0.00335	<0.00335	NM	NM	NM	NM	NM	NM	NM	0.0049	NM	<0.00067	NM	NM
Benzo(a)anthracene	mg/kg	1.1	NM	<0.00335	<0.00335	NM	NM	NM	NM	NM	NM	NM	0.00258	NM	<0.00067	NM	NM
Benzo(a)pyrene	mg/kg	0.11	NM	<0.00335	<0.00335	NM	NM	NM	NM	NM	NM	NM	<0.00335	NM	<0.00067	NM	NM
Benzo(b)fluoranthene	mg/kg	1.1	NM	<0.00335	<0.00335	NM	NM	NM	NM	NM	NM	NM	<0.00335	NM	<0.00067	NM	NM
Benzo(k)fluoranthene	mg/kg	11	NM	<0.00335	<0.00335	NM	NM	NM	NM	NM	NM	NM	<0.00335	NM	<0.00067	NM	NM
Chrysene	mg/kg	110	NM	<0.00335	<0.00335	NM	NM	NM	NM	NM	NM	NM	0.0158	NM	<0.00067	NM	NM
Dibenz(a,h)anthracene	mg/kg	0.11	NM	<0.00335	<0.00335	NM	NM	NM	NM	NM	NM	NM	<0.00335	NM	<0.00067	NM	NM
Fluoranthene	mg/kg	240	NM	<0.00335	<0.00335	NM	NM	NM	NM	NM	NM	NM	<0.00335	NM	<0.00067	NM	NM
Fluorene	mg/kg	240	NM	<0.00335	<0.00335	NM	NM	NM	NM	NM	NM	NM	0.0478	NM	<0.00067	NM	NM
Indeno(1,2,3-cd)pyrene	mg/kg	1.1	NM	<0.00335	<0.00335	NM	NM	NM	NM	NM	NM	NM	<0.00335	NM	<0.00067	NM	NM
Naphthalene	mg/kg	2	NM	<0.00335	<0.00335	NM	NM	NM	NM	NM	NM	NM	0.0143	NM	<0.00067	NM	NM
Pyrene	mg/kg	180	NM	<0.00335	<0.00335	NM	NM	NM	NM	NM	NM	NM	0.00735	NM	<0.00067	NM	NM
Metals																	
Arsenic	mg/kg	0.68	6.18	8.41	6.45	3.03	NM	NM	NM	NM	NM	NM	6.15	1.56	8.69	3.17	NM
Barium	mg/kg	15,000	573	463	596	90.9	NM	NM	NM	NM	NM	NM	227	82.1	63.2	46.4	NM
Cadmium	mg/kg	71	0.272	0.356	0.392	0.334	NM	NM	NM	NM	NM	NM	0.293	0.395	0.611	0.182	NM
Chromium	mg/kg	"-"	NM	<0.511	<0.5	NM	NM	NM	NM	NM	NM	NM	<0.5	NM	<0.506	NM	NM
Copper	mg/kg	3,100	14.1	16.7	17.5	9.96	NM	NM	NM	NM	NM	NM	10.7	9.16	11.3	10.3	NM
Lead	mg/kg	400	16.6	17.3	20.2	11.7	NM	NM	NM	NM	NM	NM	11.7	12	11.3	14.7	NM
Nickel	mg/kg	1,500	12.5	14.7	15.7	<9.67	NM	NM	NM	NM	NM	NM	10.3	<9.05	<8.9	<9.51	NM
Selenium	mg/kg	390	0.294	0.301	0.234	0.195	NM	NM	NM	NM	NM	NM	0.264	0.095	0.544	0.186	NM
Silver	mg/kg	390	<0.0941	<0.094	<0.094	<0.0967	NM	NM	NM	NM	NM	NM	<0.0917	<0.0905	<0.089	<0.0951	NM
Zinc	mg/kg	23,000	<94.1	<94	<94	<96.7	NM	NM	NM	NM	NM	NM	<91.7	<90.5	<89	<95.1	NM
Hydrocarbons																	
C10-C28 Diesel Range	mg/kg	500	<25	<25	<25	<25	NM	NM	NM	NM	NM	NM	205	<25	<25	NM	NM
C28-C36 Motor Oil Range	mg/kg	500	<100	NM	NM	<100	NM	NM	NM	NM	NM	NM	NM	<100	NM	NM	NM
C28-C40 Residual Range Organics	mg/kg	500	NM	<100	<100	NM	NM	NM	NM	NM	NM	NM	<100	NM	<100	NM	NM
TPH (GC/FID) Low Fraction	mg/kg	500	<0.2	<0.2	<0.2	<0.2	NM	NM	NM	NM	NM	NM	<0.2	<0.2	<0.2	NM	NM
Soil Suitability for Reclamation																	
Hot Water Sol. Boron	mg/l	2	0.856	0.453	0.487	1.37	0.736	1.23	1.16	0.642	0.932	1.12	0.708	0.241	1.29	0.618	0.333
pH	s.u.	6 - 8.3	8.24	8.2	8.21	8.15	8.31	8.21	8.16	8.37	8.17	8.09	7.92	8	7.87	7.96	8.32
Sodium Adsorption Ratio	Unknown	6	3.69	0.0793	0.0957	5.35	2.81	3.33	3.54	2.15	3.68	4.03	6.48	5.74	9.69	5.21	2.32
Specific Conductance	mmhos/cm	4	1.23	0.264	0.27	1.75	0.535	1.12	1.18	0.367	1.37	1.81	3.97	2.12	6.21	2.12	0.959

NOTES:

"-" - Level not established by RSSL

Boldface type indicates the analyte was detected above the reporting limit.

Highlighted text indicates an exceedance of either the protection of groundwater soil screening level or residential soil screening level.

** Where RSSL or protection of groundwater screening level is not present,

Table 915-1 Cleanup Concentrations are used.

NA Not applicable.

NS Not sampled.

BS indicates a background sample collected from unaffected soil nearby.

FS indicates a sample collected from the floor of an excavation.

SS indicates a surface sample collected from the area of shallow

excavation with limited impact from produced water.

SW indicates a sample collected from the sidewall of an excavation.

Sample has been removed during subsequent investigations

Table 1. Summary of Analytical Results

Station Name	Units	Residential Soil Screening Level Concentrations	SB1	SB2	SB2	SB3	SB3	SB4	SB4	SB5	SB5	SB6	SB6	SB7	SB8	SB8	SB9	SB9D
Sample Date			8/29/2024	8/29/2024	8/29/2024	8/29/2024	8/29/2024	8/29/2024	8/29/2024	8/29/2024	8/29/2024	8/29/2024	8/29/2024	8/29/2024	8/29/2024	8/29/2024	4/10/2025	2/13/2026
Sample Depth			7 - 7 ft	4 - 4 ft	6 - 6 ft	4 - 4 ft	7 - 7 ft	4 - 4 ft	7 - 7 ft	4 - 4 ft	5 - 5 ft	2 - 2 ft	4 - 4 ft	4 - 4 ft	2 - 2 ft	4 - 4 ft	7 - 7 ft	7 - 7 ft
VOCs																		
1,2,4-Trimethylbenzene	mg/kg	30	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
1,3,5-Trimethylbenzene	mg/kg	27	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Benzene	mg/kg	1.2	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Ethylbenzene	mg/kg	5.8	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Toluene	mg/kg	490	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Xylenes, Total	mg/kg	58	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Semi-VOCs																		
1-Methylnaphthalene	mg/kg	18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
2-Methylnaphthalene	mg/kg	24	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Acenaphthene	mg/kg	360	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Anthracene	mg/kg	1,800	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Benzo(a)anthracene	mg/kg	1.1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Benzo(a)pyrene	mg/kg	0.11	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Benzo(b)fluoranthene	mg/kg	1.1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Benzo(k)fluoranthene	mg/kg	11	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Chrysene	mg/kg	110	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Dibenz(a,h)anthracene	mg/kg	0.11	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Fluoranthene	mg/kg	240	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Fluorene	mg/kg	240	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Indeno(1,2,3-cd)pyrene	mg/kg	1.1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Naphthalene	mg/kg	2	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Pyrene	mg/kg	180	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Metals																		
Arsenic	mg/kg	0.68	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Barium	mg/kg	15,000	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Cadmium	mg/kg	71	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Chromium	mg/kg	"-"	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Copper	mg/kg	3,100	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Lead	mg/kg	400	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Nickel	mg/kg	1,500	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Selenium	mg/kg	390	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Silver	mg/kg	390	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Zinc	mg/kg	23,000	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Hydrocarbons																		
C10-C28 Diesel Range	mg/kg	500	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
C28-C36 Motor Oil Range	mg/kg	500	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
C28-C40 Residual Range Organics	mg/kg	500	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
TPH (GC/FID) Low Fraction	mg/kg	500	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Soil Suitability for Reclamation																		
Hot Water Sol. Boron	mg/l	2	0.338	1.47	0.648	1.16	0.456	1.4	0.687	1.65	1.2	0.629	1.58	0.984	0.491	1.46	0.443	0.997
pH	s.u.	6 - 8.3	8.33	8.29	8.32	8.42	8.19	8.25	8.2	8.39	8.14	8.31	8.15	8.55	8.65	8.52	7.96	7.85
Sodium Adsorption Ratio	Unknown	6	5.19	5.27	5.12	4.9	4.88	4.93	4.74	5.15	4.45	5.47	5.87	5.53	1.96	3.08	6.09	7.51
Specific Conductance	mmhos/cm	4	1.4	2.09	1.77	0.827	1.99	1.76	2.22	2.4	3.21	2.29	3.59	1.15	0.431	0.594	3.66	5.39

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Station Name	Units	Residential Soil Screening Level Concentrations	SB10	SB11	SS1	SS2	SS3	SS4	SS5	SS6	SS6	SS7	SS7	SS8	SS9	SS10	SS10
Sample Date	4/10/2025		4/10/2025	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	9/8/2022	11/10/2022	9/8/2022	11/10/2022	9/8/2022	9/8/2022	9/12/2022	11/10/2022
Sample Depth	7 - 7 ft		7 - 7 ft	0.5 - 0.5 ft	0.5 - 0.5 ft	0.5 - 0.5 ft	0.5 - 0.5 ft	0.5 - 0.5 ft	0.5 - 0.5 ft	0.5 - 0.5 ft	1 - 1 ft	0.5 - 0.5 ft	1 - 1 ft	0.5 - 0.5 ft	0.5 - 0.5 ft	0.5 - 0.5 ft	0.5 - 0.5 ft
VOCs																	
1,2,4-Trimethylbenzene	mg/kg	30	NM	NM	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NM	<0.002	NM	<0.002	<0.002	<0.002	NM
1,3,5-Trimethylbenzene	mg/kg	27	NM	NM	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NM	<0.002	NM	<0.002	<0.002	<0.002	NM
Benzene	mg/kg	1.2	NM	NM	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NM	<0.002	NM	<0.002	<0.002	<0.002	NM
Ethylbenzene	mg/kg	5.8	NM	NM	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NM	<0.002	NM	<0.002	<0.002	<0.002	NM
Toluene	mg/kg	490	NM	NM	<0.002	<0.002	<0.002	<0.002	<0.002	0.00232	NM	<0.002	NM	<0.002	<0.002	<0.002	NM
Xylenes, Total	mg/kg	58	NM	NM	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NM	<0.002	NM	<0.002	<0.002	<0.002	NM
Semi-VOCs																	
1-Methylnaphthalene	mg/kg	18	NM	NM	<0.00067	0.00161	<0.00067	0.000858	<0.00335	<0.00067	NM	<0.00067	NM	<0.00067	<0.00067	0.00131	NM
2-Methylnaphthalene	mg/kg	24	NM	NM	<0.00067	0.00108	<0.00067	0.000671	<0.00335	<0.00067	NM	<0.00067	NM	<0.00067	<0.00067	<0.00067	NM
Acenaphthene	mg/kg	360	NM	NM	<0.00067	<0.00067	<0.00067	<0.00067	<0.00335	<0.00067	NM	<0.00067	NM	<0.00067	<0.00067	<0.00067	NM
Anthracene	mg/kg	1,800	NM	NM	<0.00067	<0.00067	<0.00067	<0.00067	<0.00335	<0.00067	NM	<0.00067	NM	<0.00067	<0.00067	<0.00067	NM
Benzo(a)anthracene	mg/kg	1.1	NM	NM	<0.00067	<0.00067	<0.00067	<0.00067	<0.00335	<0.00067	NM	<0.00067	NM	<0.00067	<0.00067	<0.00067	NM
Benzo(a)pyrene	mg/kg	0.11	NM	NM	<0.00067	<0.00067	<0.00067	<0.00067	<0.00335	<0.00067	NM	<0.00067	NM	<0.00067	<0.00067	<0.00067	NM
Benzo(b)fluoranthene	mg/kg	1.1	NM	NM	<0.00067	<0.00067	<0.00067	<0.00067	<0.00335	<0.00067	NM	<0.00067	NM	<0.00067	<0.00067	<0.00067	NM
Benzo(k)fluoranthene	mg/kg	11	NM	NM	<0.00067	<0.00067	<0.00067	<0.00067	<0.00335	<0.00067	NM	<0.00067	NM	<0.00067	<0.00067	<0.00067	NM
Chrysene	mg/kg	110	NM	NM	<0.00067	<0.00067	<0.00067	<0.00067	<0.00335	<0.00067	NM	<0.00067	NM	<0.00067	<0.00067	<0.00067	NM
Dibenz(a,h)anthracene	mg/kg	0.11	NM	NM	<0.00067	<0.00067	<0.00067	<0.00067	<0.00335	<0.00067	NM	<0.00067	NM	<0.00067	<0.00067	<0.00067	NM
Fluoranthene	mg/kg	240	NM	NM	<0.00067	<0.00067	<0.00067	<0.00067	<0.00335	<0.00067	NM	<0.00067	NM	<0.00067	<0.00067	<0.00067	NM
Fluorene	mg/kg	240	NM	NM	<0.00067	0.000413	<0.00067	<0.00067	<0.00335	<0.00067	NM	<0.00067	NM	<0.00067	<0.00067	<0.00067	NM
Indeno(1,2,3-cd)pyrene	mg/kg	1.1	NM	NM	<0.00067	<0.00067	<0.00067	<0.00067	<0.00335	<0.00067	NM	<0.00067	NM	<0.00067	<0.00067	<0.00067	NM
Naphthalene	mg/kg	2	NM	NM	<0.00067	<0.00067	<0.00067	<0.00067	<0.00335	<0.00067	NM	<0.00067	NM	<0.00067	<0.00067	<0.00067	NM
Pyrene	mg/kg	180	NM	NM	<0.00067	<0.00067	<0.00067	<0.00067	<0.00335	<0.00067	NM	<0.00067	NM	<0.00067	<0.00067	<0.00067	NM
Metals																	
Arsenic	mg/kg	0.68	NM	NM	1.91	2.51	2.89	2.69	5.86	4.98	4.45	4.71	4.72	5.52	2.35	4.98	6.14
Barium	mg/kg	15,000	NM	NM	72.7	161	61.8	81.5	529	551	522	377	334	528	48.1	343	512
Cadmium	mg/kg	71	NM	NM	<0.0878	0.0985	<0.0869	0.129	0.328	0.29	0.283	0.268	0.306	0.269	0.0938	0.399	0.251
Chromium	mg/kg	"-"	NM	NM	<0.5	<0.5	<0.5	<0.5	<0.51	<0.5	NM	<0.514	NM	<0.5	<0.52	<2.51	NM
Copper	mg/kg	3,100	NM	NM	<8.78	<8.64	<8.69	<9.31	13.9	13.7	13.8	12.6	14.1	11.3	<9.29	13.5	12.8
Lead	mg/kg	400	NM	NM	<8.78	<8.64	<8.69	<9.31	22.4	13.1	28.9	11.1	13.4	10.6	<9.29	12.4	18.4
Nickel	mg/kg	1,500	NM	NM	<8.78	<8.64	<8.69	<9.31	11	10.5	11.4	11	11.8	9.58	<9.29	11.1	11.6
Selenium	mg/kg	390	NM	NM	<0.0878	<0.0864	<0.0869	0.16	0.3	0.243	0.274	0.23	0.335	0.252	<0.0929	0.207	0.298
Silver	mg/kg	390	NM	NM	<0.0878	<0.0864	<0.0869	<0.0931	<0.0961	<0.0763	<0.0947	<0.0897	<0.0921	<0.0926	<0.0929	0.156	<0.0964
Zinc	mg/kg	23,000	NM	NM	<87.8	<86.4	<86.9	<93.1	<96.1	<76.3	<94.7	<89.7	<92.1	<92.6	<92.9	<93.9	<96.4
Hydrocarbons																	
C10-C28 Diesel Range	mg/kg	500	NM	NM	<25	<25	<25	<25	<25	<25	NM	<25	NM	<25	<25	<25	NM
C28-C36 Motor Oil Range	mg/kg	500	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
C28-C40 Residual Range Organics	mg/kg	500	NM	NM	<100	<100	<100	<100	<100	<100	NM	<100	NM	<100	<100	<100	NM
TPH (GC/FID) Low Fraction	mg/kg	500	NM	NM	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	NM	<0.2	NM	<0.2	<0.2	<0.2	NM
Soil Suitability for Reclamation																	
Hot Water Sol. Boron	mg/l	2	0.421	0.607	0.482	0.617	0.502	0.66	0.67	1.25	0.558	1.54	0.573	1.3	0.61	0.989	0.701
pH	s.u.	6 - 8.3	8.14	8	8.27	8.07	7.99	8.02	7.8	7.99	7.74	7.77	7.8	8.07	8.1	7.71	8.37
Sodium Adsorption Ratio	Unknown	6	5.57	5.71	3.22	1.9	1.78	3.28	1.51	9.73	2.31	7.47	1.74	5.44	1.47	6.66	5.76
Specific Conductance	mmhos/cm	4	1.98	2.94	0.424	0.779	0.942	1.15	2.09	5.73	4.6	6.12	3.78	2.01	0.647	8.28	0.806

NOTES:

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excavation with limited impact from produced water.

SW indicates a sample collected from the sidewall of an excavation.

Sample has been removed during subsequent investigations

Table 1. Summary of Analytical Results

Station Name	Units	Residential Soil Screening Level Concentrations	SS11	SS11	SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW8	SW8D	SW9	SW9D	SW10	SW11
			9/12/2022	11/10/2022	9/12/2022	9/12/2022	9/12/2022	9/12/2022	9/12/2022	9/12/2022	9/12/2022	11/10/2022	11/10/2022	2/13/2026	11/10/2022	2/13/2026	11/10/2022
Sample Date	Sample Depth		0.5 - 0.5 ft	2 - 2 ft	6 - 6 ft	6 - 6 ft	6 - 6 ft	7.5 - 7.5 ft	6 - 6 ft	6 - 6 ft	6 - 6 ft	7 - 7 ft	7.5 - 7.5 ft	6 - 6 ft	6 - 6 ft	6 - 6 ft	6 - 6 ft
VOCS																	
1,2,4-Trimethylbenzene	mg/kg	30	<0.002	NM	<0.002	<0.002	0.0187	<0.002	<0.002	<0.002	<0.002	NM	NM	NM	NM	NM	NM
1,3,5-Trimethylbenzene	mg/kg	27	<0.002	NM	<0.002	<0.002	0.00434	<0.002	<0.002	<0.002	<0.002	NM	NM	NM	NM	NM	NM
Benzene	mg/kg	1.2	<0.002	NM	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NM	NM	NM	NM	NM	NM
Ethylbenzene	mg/kg	5.8	<0.002	NM	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NM	NM	NM	NM	NM	NM
Toluene	mg/kg	490	<0.002	NM	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NM	NM	NM	NM	NM	NM
Xylenes, Total	mg/kg	58	<0.002	NM	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NM	NM	NM	NM	NM	NM
Semi-VOCS																	
1-Methylnaphthalene	mg/kg	18	<0.00067	NM	0.000631	<0.00067	1.56	0.000563	<0.00067	<0.00067	NM	NM	NM	NM	NM	NM	NM
2-Methylnaphthalene	mg/kg	24	<0.00067	NM	0.000707	<0.00067	0.455	<0.00067	<0.00067	<0.00067	NM	NM	NM	NM	NM	NM	NM
Acenaphthene	mg/kg	360	<0.00067	NM	<0.00067	<0.00067	0.0454	<0.00067	<0.00067	<0.00067	NM	NM	NM	NM	NM	NM	NM
Anthracene	mg/kg	1,800	<0.00067	NM	<0.00067	<0.00067	0.0191	<0.00067	<0.00067	<0.00067	NM	NM	NM	NM	NM	NM	NM
Benzo(a)anthracene	mg/kg	1.1	<0.00067	NM	<0.00067	<0.00067	0.0073	<0.00067	<0.00067	<0.00067	NM	NM	NM	NM	NM	NM	NM
Benzo(a)pyrene	mg/kg	0.11	<0.00067	NM	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	NM	NM	NM	NM	NM	NM	NM
Benzo(b)fluoranthene	mg/kg	1.1	<0.00067	NM	<0.00067	<0.00067	0.0081	<0.00067	<0.00067	<0.00067	NM	NM	NM	NM	NM	NM	NM
Benzo(k)fluoranthene	mg/kg	11	<0.00067	NM	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	NM	NM	NM	NM	NM	NM	NM
Chrysene	mg/kg	110	<0.00067	NM	<0.00067	<0.00067	0.0873	<0.00067	<0.00067	<0.00067	NM	NM	NM	NM	NM	NM	NM
Dibenz(a,h)anthracene	mg/kg	0.11	<0.00067	NM	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	NM	NM	NM	NM	NM	NM	NM
Fluoranthene	mg/kg	240	<0.00067	NM	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	NM	NM	NM	NM	NM	NM	NM
Fluorene	mg/kg	240	<0.00067	NM	<0.00067	<0.00067	0.217	<0.00067	<0.00067	<0.00067	NM	NM	NM	NM	NM	NM	NM
Indeno(1,2,3-cd)pyrene	mg/kg	1.1	<0.00067	NM	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	NM	NM	NM	NM	NM	NM	NM
Naphthalene	mg/kg	2	<0.00067	NM	<0.00067	<0.00067	0.0703	<0.00067	<0.00067	<0.00067	NM	NM	NM	NM	NM	NM	NM
Pyrene	mg/kg	180	<0.00067	NM	<0.00067	<0.00067	0.0506	<0.00067	<0.00067	<0.00067	NM	NM	NM	NM	NM	NM	NM
Metals																	
Arsenic	mg/kg	0.68	5.08	5.74	3.6	2.8	4.17	1.99	2.33	2.24	3.13	4.36	NM	3.26	NM	1.89	3.75
Barium	mg/kg	15,000	366	510	211	223	264	137	102	110	386	237	NM	160	NM	117	229
Cadmium	mg/kg	71	0.276	0.252	0.249	0.599	0.289	0.211	0.216	0.461	0.21	0.22	NM	0.216	NM	0.583	0.258
Chromium	mg/kg	"-"	<2.54	NM	<0.51	<0.515	<0.502	<0.513	<0.503	<0.513	NM	NM	NM	NM	NM	NM	NM
Copper	mg/kg	3,100	13.3	12.2	<9.51	<9.39	10.9	10.9	9.47	9.34	10.5	11.8	NM	11	NM	<9.5	11.1
Lead	mg/kg	400	15.4	13.1	17.8	12.2	12.6	12	12.7	13	12.9	12.8	NM	12.8	NM	13.1	13.7
Nickel	mg/kg	1,500	11.7	10.9	<9.51	<9.39	10.3	13.1	<8.83	<8.66	9.64	10.6	NM	<9.35	NM	<9.5	10
Selenium	mg/kg	390	0.32	0.296	0.235	0.181	0.146	0.136	0.173	0.221	0.311	0.26	NM	0.196	NM	0.106	0.217
Silver	mg/kg	390	<0.0898	<0.0974	<0.0951	<0.0939	<0.0801	<0.0867	<0.0883	<0.0866	<0.0945	<0.0862	NM	<0.0935	NM	<0.095	<0.0962
Zinc	mg/kg	23,000	<89.8	<97.4	<95.1	<93.9	<80.1	<86.7	<88.3	<86.6	<94.5	<86.2	NM	<93.5	NM	<95	<96.2
Hydrocarbons																	
C10-C28 Diesel Range	mg/kg	500	<25	NM	<25	<25	39.9	<25	<25	<25	<25	NM	NM	NM	NM	NM	NM
C28-C36 Motor Oil Range	mg/kg	500	NM	NM	NM	NM	NM	NM	NM	NM	<100	NM	NM	NM	NM	NM	NM
C28-C40 Residual Range Organics	mg/kg	500	<100	NM	<100	<100	<100	<100	<100	<100	NM	NM	NM	NM	NM	NM	NM
TPH (GC/FID) Low Fraction	mg/kg	500	<0.2	NM	<0.2	<0.2	0.382	<0.2	<0.2	<0.2	<0.2	NM	NM	NM	NM	NM	NM
Soil Suitability for Reclamation																	
Hot Water Sol. Boron	mg/l	2	11.4	0.987	2.04	0.94	1.37	0.529	2.43	1.14	0.909	4.09	0.679	5.4	1.09	0.812	1.96
pH	s.u.	6 - 8.3	8.12	8.16	7.96	7.94	7.9	7.96	7.9	7.91	8.03	7.94	8.26	7.9	8.05	8	7.7
Sodium Adsorption Ratio	Unknown	6	34.8	6.67	9.78	5.73	17.9	6.43	10.7	6.54	5.65	15.8	3.75	17.8	6.29	8.65	8.03
Specific Conductance	mmhos/cm	4	10.5	1.98	4.39	3.26	8.34	2.84	6.98	5.83	1.98	7.04	0.791	6.99	2.22	3.55	2.21

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