

Table 1. Summary of Analytical Results

Station Name	CAS Number	Units	Residential Soil Screening Level Concentrations	BS1	BS2	BS3	FS1	FS1	FS2	FS2	SS1	SS2	SS3	SS4	SS5	SS6	SS6
Sample Date				9/8/22	9/8/22	11/10/22	9/12/22	11/11/22	9/12/22	11/10/22	9/8/22	9/8/22	9/8/22	9/8/22	9/8/22	9/8/22	11/10/22
Sample Depth				0 - 0.5 ft	0 - 0.5 ft	6 - 6.5 ft	9 - 9.5 ft	10 ft	7.5 - 8 ft	9 ft	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft	1 ft
<b>Metals</b>																	
ARSENIC	7440-38-2	mg/kg	0.68	<b>8.41</b>	<b>6.45</b>	<b>3.03</b>	<b>6.15</b>	<b>1.56</b>	<b>8.69</b>	<b>3.17</b>	<b>1.91</b>	<b>2.51</b>	<b>2.89</b>	<b>2.69</b>	<b>5.86</b>	<b>4.98</b>	<b>4.45</b>
BARIUM	7440-39-3	mg/kg	15,000	<b>463</b>	<b>596</b>	<b>90.9</b>	<b>227</b>	<b>82.1</b>	<b>63.2</b>	<b>46.4</b>	<b>72.7</b>	<b>161</b>	<b>61.8</b>	<b>81.5</b>	<b>529</b>	<b>551</b>	<b>522</b>
CADMIUM	7440-43-9	mg/kg	71	<b>0.356</b>	<b>0.392</b>	<b>0.334</b>	<b>0.293</b>	<b>0.395</b>	<b>0.611</b>	<b>0.182</b>	<0.0878	<b>0.0985</b>	<0.0869	<b>0.129</b>	<b>0.328</b>	<b>0.29</b>	<b>0.283</b>
CHROMIUM	7440-47-3	mg/kg	0.3	<0.511	<0.50	<0.244	<0.50	<0.244	<0.506	<0.252	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.22
COPPER	7440-50-8	mg/kg	3,100	<b>16.7</b>	<b>17.5</b>	<b>9.96</b>	<b>10.7</b>	<b>9.16</b>	<b>11.3</b>	<b>10.3</b>	<8.78	<8.64	<8.69	<9.31	<b>13.9</b>	<b>13.7</b>	<b>13.8</b>
LEAD	7439-92-1	mg/kg	400	<b>17.3</b>	<b>20.2</b>	<b>11.7</b>	<b>11.7</b>	<b>12.0</b>	<b>11.3</b>	<b>14.7</b>	<8.78	<8.64	<8.69	<9.31	<b>22.4</b>	<b>13.1</b>	<b>28.9</b>
NICKEL	7440-02-0	mg/kg	1,500	<b>14.7</b>	<b>15.7</b>	<9.67	<b>10.3</b>	<9.05	<8.90	<9.51	<8.78	<8.64	<8.69	<9.31	<b>11</b>	<b>10.5</b>	<b>11.4</b>
SELENIUM	7782-49-2	mg/kg	390	<b>0.301</b>	0.234	<b>0.195</b>	<b>0.264</b>	<b>0.095</b>	<b>0.544</b>	<b>0.186</b>	<0.0878	<0.0864	<0.0869	<b>0.16</b>	<b>0.3</b>	<b>0.243</b>	<b>0.274</b>
SILVER	7440-22-4	mg/kg	390	<0.0940	<0.0940	<0.0967	<0.0917	<0.0905	<0.0890	<0.0951	<0.0878	<0.0864	<0.0869	<0.0931	<0.0961	<0.0763	<0.0947
ZINC	7440-66-6	mg/kg	23,000	<94.0	<94.0	<96.7	<91.7	<90.5	<89.0	<95.1	<87.8	<86.4	<86.9	<93.1	<96.1	<76.3	<94.7
<b>VOCs</b>																	
BENZENE	71-43-2	mg/kg	1.2	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NS
ETHYLBENZENE	100-41-4	mg/kg	5.8	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NS
TOLUENE	108-88-3	mg/kg	490	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<b>0.00232</b>	NS
XYLENES, TOTAL	1330-20-7	mg/kg	58	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NS
1,2,4-TRIMETHYLBENZENE	95-63-6	mg/kg	30	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NS
1,3,5-TRIMETHYLBENZENE	108-67-8	mg/kg	27	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NS
<b>Semi-VOCs</b>																	
1-METHYLNAPHTHALENE	90-12-0	mg/kg	18	<0.00067	<0.00335	<b>0.00141</b>	<b>0.271</b>	<0.00109	<b>0.000652</b>	NS	<0.00067	<b>0.00161</b>	<0.00067	<b>0.000858</b>	<0.00067	<0.00067	NS
2-METHYLNAPHTHALENE	91-57-6	mg/kg	24	<0.00067	<0.00335	<b>0.00234</b>	<b>0.149</b>	<0.00194	<0.00067	NS	<0.00067	<b>0.00108</b>	<0.00067	<b>0.000671</b>	<0.00067	<0.00067	NS
ACENAPHTHENE	83-32-9	mg/kg	360	<0.00067	<0.00335	<0.000304	<b>0.0126</b>	<0.000304	<0.00067	NS	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	NS
ANTHRACENE	120-12-7	mg/kg	1,800	<0.00067	<0.00335	<0.000334	<b>0.0049</b>	<0.000334	<0.00067	NS	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	NS
BENZO(A)ANTHRACENE	56-55-3	mg/kg	1.1	<0.00067	<0.00335	<0.000493	<b>0.00258</b>	<0.000493	<0.00067	NS	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	NS
BENZO(A)PYRENE	50-32-8	mg/kg	0.11	<0.00067	<0.00335	<0.000468	<0.00067	<0.000468	<0.00067	NS	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	NS
BENZO(B)FLUORANTHENE	205-99-2	mg/kg	1.1	<0.00067	<0.00335	<0.000585	<0.00067	<0.000585	<0.00067	NS	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	NS
BENZO(K)FLUORANTHENE	207-08-9	mg/kg	11	<0.00067	<0.00335	<0.000437	<0.00067	<0.000437	<0.00067	NS	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	NS
CHRYSENE	218-01-9	mg/kg	110	<0.00067	<0.00335	<0.000624	<b>0.0158</b>	<0.000624	<0.00067	NS	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	NS
DIBENZ(A,H)ANTHRACENE	53-70-3	mg/kg	0.11	<0.00067	<0.00335	<0.000614	<0.00067	<0.000614	<0.00067	NS	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	NS
FLUORANTHENE	206-44-0	mg/kg	240	<0.00067	<0.00335	<0.000394	<0.00067	<0.000394	<0.00067	NS	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	NS
FLUORENE	86-73-7	mg/kg	240	<0.00067	<0.00335	<b>0.00152</b>	<b>0.0478</b>	<0.000286	<0.00067	NS	<0.00067	<b>0.000413</b>	<0.00067	<0.00067	<0.00067	<0.00067	NS
INDENO(1,2,3-CD)PYRENE	193-39-5	mg/kg	1.1	<0.00067	<0.00335	<0.000627	<0.00067	<0.000627	<0.00067	NS	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	NS
NAPHTHALENE	91-20-3	mg/kg	2	<0.00067	<0.00335	<0.00145	<b>0.0143</b>	<0.00145	<0.00067	NS	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	NS
PYRENE	129-00-0	mg/kg	180	<0.00067	<0.00335	<0.000643	<b>0.00735</b>	<0.000643	<0.00067	NS	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	NS
<b>TPH**</b>																	
TPH (low fraction)	8006-61-9	mg/kg	500	<0.2	<0.2		<0.2	<0.2	<0.2	NS	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	NS
C10-C28 DIESEL RANGE	NA	mg/kg	500	<25	<25	<25	<b>205</b>	<25	<25	NS	<25	<25	<25	<25	<25	<25	NS
C28-C40 RESIDUAL RANGE ORGANICS	NA	mg/kg	500	<100	<100	<100	<100	<100	<100	NS	<100	<100	<100	<100	<100	<100	NS
<b>Soil Suitability for Reclamation**</b>																	
BORON	7440-42-8	mg/l	2	<b>0.453</b>	<b>0.487</b>	<b>1.37</b>	<b>0.708</b>	<b>0.241</b>	<b>1.29</b>	<b>0.618</b>	<b>0.482</b>	<b>0.617</b>	<b>0.502</b>	<b>0.66</b>	<b>0.67</b>	<b>1.25</b>	<b>0.558</b>
PH	NA	s.u.	6 - 8.3	<b>8.2</b>	<b>8.21</b>	<b>8.15</b>	<b>7.92</b>	<b>8.00</b>	<b>7.87</b>	<b>7.96</b>	<b>8.27</b>	<b>8.07</b>	<b>7.99</b>	<b>8.02</b>	<b>7.8</b>	<b>7.99</b>	<b>7.74</b>
SODIUM ADSORPTION RATIO	NA	NA	6	<b>0.0793</b>	<b>0.0957</b>	<b>5.35</b>	<b>6.48</b>	<b>5.74</b>	<b>9.69</b>	<b>5.21</b>	<b>3.22</b>	<b>1.9</b>	<b>1.78</b>	<b>3.28</b>	<b>1.51</b>	<b>9.73</b>	<b>2.31</b>
SPECIFIC CONDUCTANCE	NA	mmhos/cm	4	<b>0.264</b>	<b>0.270</b>	<b>1.75</b>	<b>3.97</b>	<b>2.12</b>	<b>6.21</b>	<b>2.12</b>	<b>0.424</b>	<b>0.779</b>	<b>0.942</b>	<b>1.15</b>	<b>2.09</b>	<b>5.73</b>	<b>4.60</b>

**NOTES:**

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.

-- No standard established.

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 site activities.

Taproot Rockies Midstream  
Big Mountain Viper Produced Water Release  
Remediation Project Number 28120  
Briggsdale, Colorado

Station Name	Residential Soil Screening Level Concentrations	SS7	SS7	SS8	SS9	SS10	SS10	SS11	SS11	SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW8
Sample Date		9/8/22	11/10/22	9/8/22	9/8/22	9/12/22	11/10/22	9/12/22	11/10/22	9/12/22	9/12/22	9/12/22	9/12/22	9/12/22	9/12/22	11/10/22	11/10/22
Sample Depth		0 - 0.5 ft	1 ft	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft	2 ft	0 - 0.5 ft	2 ft	6 - 6.5 ft	6 - 6.5 ft	6 - 6.5 ft	7.5 - 8 ft	6 - 6.5 ft	6 - 6.5 ft	6 ft	7.5 ft
<b>Metals</b>																	
ARSENIC	0.68	<b>4.71</b>	<b>4.72</b>	<b>5.52</b>	<b>2.35</b>	<b>4.98</b>	<b>6.14</b>	<b>5.08</b>	<b>5.74</b>	<b>3.6</b>	<b>2.8</b>	<b>4.17</b>	<b>1.99</b>	<b>2.33</b>	<b>2.24</b>	<b>3.13</b>	<b>4.36</b>
BARIUM	15,000	<b>377</b>	<b>334</b>	<b>528</b>	<b>48.1</b>	<b>343</b>	<b>512</b>	<b>366</b>	<b>510</b>	<b>211</b>	<b>223</b>	<b>264</b>	<b>137</b>	<b>102</b>	<b>110</b>	<b>386</b>	<b>237</b>
CADMIUM	71	<b>0.268</b>	<b>0.306</b>	<b>0.269</b>	<b>0.0938</b>	<b>0.399</b>	<b>0.251</b>	<b>0.276</b>	<b>0.252</b>	<b>0.249</b>	<b>0.599</b>	<b>0.289</b>	<b>0.211</b>	<b>0.216</b>	<b>0.461</b>	<b>0.210</b>	<b>0.220</b>
CHROMIUM	0.3	<0.514	<1.26	<0.50	<0.52	<2.51	<0.246	<2.54	<0.488	<0.51	<0.515	<0.502	<0.513	<0.503	<0.51	<0.244	<0.467
COPPER	3,100	<b>12.6</b>	<b>14.1</b>	<b>11.3</b>	<9.29	<b>13.5</b>	<b>12.8</b>	<b>13.3</b>	<b>12.2</b>	<9.51	<9.39	<b>10.9</b>	<b>10.9</b>	<b>9.47</b>	<b>9.34</b>	<b>10.5</b>	<b>11.8</b>
LEAD	400	<b>11.1</b>	<b>13.4</b>	<b>10.6</b>	<9.29	<b>12.4</b>	<b>18.4</b>	<b>15.4</b>	<b>13.1</b>	<b>17.8</b>	<b>12.2</b>	<b>12.6</b>	<b>12</b>	<b>12.7</b>	<b>13</b>	<b>12.9</b>	<b>12.8</b>
NICKEL	1,500	<b>11</b>	<b>11.8</b>	<b>9.58</b>	<9.29	<b>11.1</b>	<b>11.6</b>	<b>11.7</b>	<b>10.9</b>	<9.51	<9.39	<b>10.3</b>	<b>13.1</b>	<8.83	<8.66	<b>9.64</b>	<b>10.6</b>
SELENIUM	390	<b>0.23</b>	<b>0.335</b>	<b>0.252</b>	<0.0929	<b>0.207</b>	<b>0.298</b>	<b>0.32</b>	<b>0.296</b>	<b>0.235</b>	<b>0.181</b>	<b>0.146</b>	<b>0.136</b>	<b>0.173</b>	<b>0.221</b>	<b>0.311</b>	<b>0.260</b>
SILVER	390	<0.0897	<0.0921	<0.0926	<0.0929	<b>0.156</b>	<0.0964	<0.0898	<0.0974	<0.0951	<0.0939	<0.0801	<0.0867	<0.0883	<0.0866	<0.0945	<0.0862
ZINC	23,000	<89.7	<92.1	<92.6	<92.9	<93.9	<96.4	<89.8	<97.4	<95.1	<93.9	<80.1	<86.7	<88.3	<86.6	<94.5	<86.2
<b>VOCs</b>																	
BENZENE	1.2	<0.002	NS	<0.002	<0.002	<0.002	NS	<0.002	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NS
ETHYLBENZENE	5.8	<0.002	NS	<0.002	<0.002	<0.002	NS	<0.002	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NS
TOLUENE	490	<0.002	NS	<0.002	<0.002	<0.002	NS	<0.002	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NS
XYLENES, TOTAL	58	<0.002	NS	<0.002	<0.002	<0.002	NS	<0.002	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NS
1,2,4-TRIMETHYLBENZENE	30	<0.002	NS	<0.002	<0.002	<0.002	NS	<0.002	NS	<0.002	<0.002	<b>0.0187</b>	<0.002	<0.002	<0.002	<0.002	NS
1,3,5-TRIMETHYLBENZENE	27	<0.002	NS	<0.002	<0.002	<0.002	NS	<0.002	NS	<0.002	<0.002	<b>0.00434</b>	<0.002	<0.002	<0.002	<0.002	NS
<b>Semi-VOCs</b>																	
1-METHYLNAPHTHALENE	18	<0.00067	NS	<0.00067	<0.00067	<b>0.00131</b>	NS	<0.00067	NS	<b>0.000631</b>	<0.00067	<b>1.56</b>	<b>0.000563</b>	<0.00067	<0.00067	<0.00109	NS
2-METHYLNAPHTHALENE	24	<0.00067	NS	<0.00067	<0.00067	<0.00067	NS	<0.00067	NS	<b>0.000707</b>	<0.00067	<b>0.455</b>	<0.00067	<0.00067	<0.00067	<0.00194	NS
ACENAPHTHENE	360	<0.00067	NS	<0.00067	<0.00067	<0.00067	NS	<0.00067	NS	<0.00067	<0.00067	<b>0.0454</b>	<0.00067	<0.00067	<0.00067	<0.000304	NS
ANTHRACENE	1,800	<0.00067	NS	<0.00067	<0.00067	<0.00067	NS	<0.00067	NS	<0.00067	<0.00067	<b>0.0191</b>	<0.00067	<0.00067	<0.00067	<0.000334	NS
BENZO(A)ANTHRACENE	1.1	<0.00067	NS	<0.00067	<0.00067	<0.00067	NS	<0.00067	NS	<0.00067	<0.00067	<b>0.0073</b>	<0.00067	<0.00067	<0.00067	<0.000493	NS
BENZO(A)PYRENE	0.11	<0.00067	NS	<0.00067	<0.00067	<0.00067	NS	<0.00067	NS	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.000468	NS
BENZO(B)FLUORANTHENE	1.1	<0.00067	NS	<0.00067	<0.00067	<0.00067	NS	<0.00067	NS	<0.00067	<0.00067	<b>0.0081</b>	<0.00067	<0.00067	<0.00067	<0.000585	NS
BENZO(K)FLUORANTHENE	11	<0.00067	NS	<0.00067	<0.00067	<0.00067	NS	<0.00067	NS	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.000437	NS
CHRYSENE	110	<0.00067	NS	<0.00067	<0.00067	<0.00067	NS	<0.00067	NS	<0.00067	<0.00067	<b>0.0873</b>	<0.00067	<0.00067	<0.00067	<0.000624	NS
DIBENZ(A,H)ANTHRACENE	0.11	<0.00067	NS	<0.00067	<0.00067	<0.00067	NS	<0.00067	NS	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.000614	NS
FLUORANTHENE	240	<0.00067	NS	<0.00067	<0.00067	<0.00067	NS	<0.00067	NS	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.000394	NS
FLUORENE	240	<0.00067	NS	<0.00067	<0.00067	<0.00067	NS	<0.00067	NS	<0.00067	<0.00067	<b>0.217</b>	<0.00067	<0.00067	<0.00067	<0.000286	NS
INDENO(1,2,3-CD)PYRENE	1.1	<0.00067	NS	<0.00067	<0.00067	<0.00067	NS	<0.00067	NS	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.000627	NS
NAPHTHALENE	2	<0.00067	NS	<0.00067	<0.00067	<0.00067	NS	<0.00067	NS	<0.00067	<0.00067	<b>0.0703</b>	<0.00067	<0.00067	<0.00067	<0.00145	NS
PYRENE	180	<0.00067	NS	<0.00067	<0.00067	<0.00067	NS	<0.00067	NS	<0.00067	<0.00067	<b>0.0506</b>	<0.00067	<0.00067	<0.00067	<0.000643	NS
<b>TPH**</b>																	
TPH (low fraction)	500	<0.2	NS	<0.2	<0.2	<0.2	NS	<0.2	NS	<0.2	<0.2	<b>0.382</b>	<0.2	<0.2	<0.2	<0.2	NS
C10-C28 DIESEL RANGE	500	<25	NS	<25	<25	<25	NS	<25	NS	<25	<25	<b>39.9</b>	<25	<25	<25	<25	NS
C28-C40 RESIDUAL RANGE ORGANICS	500	<100	NS	<100	<100	<100	NS	<100	NS	<100	<100	<100	<100	<100	<100	<100	NS
<b>Soil Suitability for Reclamation**</b>																	
BORON	2	<b>1.54</b>	<b>0.573</b>	<b>1.3</b>	<b>0.61</b>	<b>0.989</b>	<b>0.701</b>	<b>11.4</b>	<b>0.987</b>	<b>2.04</b>	<b>0.94</b>	<b>1.37</b>	<b>0.529</b>	<b>2.43</b>	<b>1.14</b>	<b>0.909</b>	<b>4.09</b>
PH	6 - 8.3	<b>7.77</b>	<b>7.80</b>	<b>8.07</b>	<b>8.1</b>	<b>7.71</b>	<b>8.37</b>	<b>8.12</b>	<b>8.16</b>	<b>7.96</b>	<b>7.94</b>	<b>7.9</b>	<b>7.96</b>	<b>7.9</b>	<b>7.91</b>	<b>8.03</b>	<b>7.94</b>
SODIUM ADSORPTION RATIO	6	<b>7.47</b>	<b>1.74</b>	<b>5.44</b>	<b>1.47</b>	<b>6.66</b>	<b>5.76</b>	<b>34.8</b>	<b>6.67</b>	<b>9.78</b>	<b>5.73</b>	<b>17.9</b>	<b>6.43</b>	<b>10.7</b>	<b>6.54</b>	<b>5.65</b>	<b>15.8</b>
SPECIFIC CONDUCTANCE	4	<b>6.12</b>	<b>3.78</b>	<b>2.01</b>	<b>0.647</b>	<b>8.28</b>	<b>0.806</b>	<b>10.5</b>	<b>1.98</b>	<b>4.39</b>	<b>3.26</b>	<b>8.34</b>	<b>2.84</b>	<b>6.98</b>	<b>5.83</b>	<b>1.98</b>	<b>7.04</b>

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Sample has been removed during subsequent site activities.

Taproot Rockies Midstream  
Big Mountain Viper Produced Water Release  
Remediation Project Number 28120  
Briggsdale, Colorado

Station Name	Residential Soil Screening Level Concentrations	SW9	SW10	SW11	Backfill	SB1-4	SB1-7	SB2-4	SB2-6	SB3-4	SB3-7	SB4-4	SB4-7	SB5-4	SB5-5	SB6-2	SB6-4	SB7-4	SB8-2	SB8-4
Sample Date		11/10/22	11/10/22	11/11/22	11/10/2022	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	8/29/2024
Sample Depth		6 ft	6 ft	6 ft		4 ft	7 ft	4 ft	6 ft	4 ft	7 ft	4 FT	7 ft	4 ft	5 ft	2 ft	4 ft	4 ft	2 ft	4 ft
<b>Metals</b>																				
ARSENIC	0.68	<b>3.26</b>	<b>1.89</b>	<b>3.75</b>	<b>6.18</b>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BARIUM	15,000	<b>160</b>	<b>117</b>	<b>229</b>	<b>573</b>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
CADMIUM	71	<b>0.216</b>	<b>0.583</b>	<b>0.258</b>	<b>0.272</b>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
CHROMIUM	0.3	<0.244	<0.249	<0.492	<0.488	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
COPPER	3,100	<b>11.0</b>	<9.50	<b>11.1</b>	<b>14.1</b>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
LEAD	400	<b>12.8</b>	<b>13.1</b>	<b>13.7</b>	<b>16.6</b>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
NICKEL	1,500	<9.35	<9.50	<b>10.0</b>	<b>12.5</b>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SELENIUM	390	<b>0.196</b>	<b>0.106</b>	<b>0.217</b>	<b>0.294</b>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SILVER	390	<0.0935	<0.095	<0.0962	<0.0941	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
ZINC	23,000	<93.5		<96.2	<94.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
<b>VOCs</b>																				
BENZENE	1.2	NS	NS	NS	<0.002	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
ETHYLBENZENE	5.8	NS	NS	NS	<0.002	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TOLUENE	490	NS	NS	NS	<0.002	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
XYLENES, TOTAL	58	NS	NS	NS	<0.002	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-TRIMETHYLBENZENE	30	NS	NS	NS	<0.002	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-TRIMETHYLBENZENE	27	NS	NS	NS	<0.002	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
<b>Semi-VOCs</b>																				
1-METHYLNAPHTHALENE	18	NS	NS	NS	<0.00109	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-METHYLNAPHTHALENE	24	NS	NS	NS	<0.00194	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
ACENAPHTHENE	360	NS	NS	NS	<0.000304	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
ANTHRACENE	1,800	NS	NS	NS	<0.000334	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BENZO(A)ANTHRACENE	1.1	NS	NS	NS	<0.000493	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BENZO(A)PYRENE	0.11	NS	NS	NS	<0.000468	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BENZO(B)FLUORANTHENE	1.1	NS	NS	NS	<0.000585	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BENZO(K)FLUORANTHENE	11	NS	NS	NS	<0.000437	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
CHRYSENE	110	NS	NS	NS	<0.000624	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
DIBENZ(A,H)ANTHRACENE	0.11	NS	NS	NS	<0.000614	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
FLUORANTHENE	240	NS	NS	NS	<0.000394	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
FLUORENE	240	NS	NS	NS	<0.000286	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
INDENO(1,2,3-CD)PYRENE	1.1	NS	NS	NS	<0.000627	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
NAPHTHALENE	2	NS	NS	NS	<0.00145	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PYRENE	180	NS	NS	NS	<0.000643	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
<b>TPH**</b>																				
TPH (low fraction)	500	NS	NS	NS	<0.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
C10-C28 DIESEL RANGE	500	NS	NS	NS	<25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
C28-C40 RESIDUAL RANGE ORGANICS	500	NS	NS	NS	<100	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
<b>Soil Suitability for Reclamation**</b>																				
BORON	2	<b>5.40</b>	<b>0.812</b>	<b>1.96</b>	<b>0.856</b>	<b>0.333</b>	<b>0.338</b>	<b>1.47</b>	<b>0.648</b>	<b>1.16</b>	<b>0.456</b>	<b>1.4</b>	<b>0.687</b>	<b>1.65</b>	<b>1.2</b>	<b>0.629</b>	<b>1.58</b>	<b>0.984</b>	<b>0.491</b>	<b>1.46</b>
PH	6 - 8.3	<b>7.90</b>	<b>8.00</b>	<b>7.70</b>	<b>8.24</b>	<b>8.32</b>	<b>8.33</b>	<b>8.29</b>	<b>8.32</b>	<b>8.42</b>	<b>8.19</b>	<b>8.25</b>	<b>8.2</b>	<b>8.39</b>	<b>8.14</b>	<b>8.31</b>	<b>8.15</b>	<b>8.55</b>	<b>8.64</b>	<b>8.52</b>
SODIUM ADSORPTION RATIO	6	<b>17.8</b>	<b>8.65</b>	<b>8.03</b>	<b>3.69</b>	<b>2.32</b>	<b>5.19</b>	<b>5.27</b>	<b>5.12</b>	<b>4.9</b>	<b>4.88</b>	<b>4.93</b>	<b>4.74</b>	<b>5.15</b>	<b>4.45</b>	<b>5.47</b>	<b>5.87</b>	<b>5.53</b>	<b>1.96</b>	<b>3.08</b>
SPECIFIC CONDUCTANCE	4	<b>6.99</b>	<b>3.55</b>	<b>2.21</b>	<b>1.23</b>	<b>0.959</b>	<b>1.4</b>	<b>2.09</b>	<b>1.77</b>	<b>0.827</b>	<b>1.99</b>	<b>1.76</b>	<b>2.22</b>	<b>2.4</b>	<b>3.21</b>	<b>2.29</b>	<b>3.59</b>	<b>1.15</b>	<b>0.431</b>	<b>0.594</b>

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