

TABLE 1  
 PLUS L 11-2D  
 SOIL SAMPLE FIELD DATA SUMMARY TABLE  
 KERR-McGEE OIL AND GAS ONSHORE LP

Sample Location	Date	Approximate Depth (feet bgs)	PID (ppm-v)	Visual Observation	Olfactory Observation	Latitude, Longitude	Submitted for Lab Analysis (Y/N)
<i>Active Release Soil Samples</i>							
Initial Waste Characterization-01 @ 3"	6/23/2025	0.25	205	Strong HC Staining	Strong HC Odor	40.2428808811793, -104.748597700433	Y
Initial Waste Characterization-02 @ 3"	6/23/2025	0.25	416	Strong HC Staining	Strong HC Odor	40.2428887115301, -104.748668422670	Y
Initial Waste Characterization-03 @ 3"	6/23/2025	0.25	522	Strong HC Staining	Strong HC Odor	40.2429473166006, -104.748642790831	Y

**Notes:**

bgs = below ground surface

PID = photoionization detector

ppm-v = parts per million by volume

**BOLD** = ECMC Table 915-1 exceedance remaining

N/S = No Staining

N/O = No Odor

HC = hydrocarbon

**TABLE 2**  
**PLUSS L 11-2D**  
**SOIL SAMPLE RESULTS SUMMARY TABLE - VOCs**  
**KERR-McGEE OIL AND GAS ONSHORE LP**

Sample Location	Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-ORO (mg/kg)	1,2,4-TMB (mg/kg)	1,3,5-TMB (mg/kg)
<i>ECMC standards for soil (mg/kg)<sup>(1)</sup></i>		<b>0.0026</b>	<b>0.69</b>	<b>0.78</b>	<b>9.9</b>	<b>500</b>			<b>0.0081</b>	<b>0.0087</b>
<i>ECMC standards for soil (mg/kg)<sup>(2)</sup></i>		<b>1.2</b>	<b>490</b>	<b>5.8</b>	<b>58</b>	<b>500</b>			<b>30</b>	<b>27</b>
<b>Active Release Soil Samples</b>										
Initial Waste Characterization-01 @ 3"	6/23/2025	<b>9.64</b>	<b>93.4</b>	<b>27.2</b>	<b>284</b>	<b>7680</b>	<b>13700</b>	<b>2840</b>	<b>93.3</b>	<b>58.0</b>
Initial Waste Characterization-02 @ 3"	6/23/2025	<b>9.68</b>	<b>52.0</b>	<b>26.5</b>	<b>140</b>	<b>3730</b>	<b>11500</b>	<b>2210</b>	<b>43.5</b>	<b>26.8</b>
Initial Waste Characterization-03 @ 3"	6/23/2025	<b>0.516</b>	<b>7.67</b>	<b>2.04</b>	<b>39.2</b>	<b>1690</b>	<b>2400</b>	<b>618</b>	<b>20.4</b>	<b>12.5</b>

**Notes:**

<sup>(1)</sup> ECMC Table 915-1: Protection of Groundwater Soil Screening Level Concentrations, effective January 15, 2021

<sup>(2)</sup> ECMC Table 915-1: Residential Soil Screening Level Concentrations, effective January 15, 2021

ECMC = Energy and Carbon Management Commission

mg/kg = milligrams per kilogram

Values presented in **BOLD** contained concentrations exceeding ECMC Table 915-1 Cleanup Concentrations

TPH-GRO = Total petroleum hydrocarbons - gasoline range organics

TPH-DRO = Total petroleum hydrocarbons - diesel range organics

TPH-ORO = Total petroleum hydrocarbons - oil range organics

TMB = Trimethylbenzene

**TABLE 3  
 PLUS L 11-2D  
 SOIL SAMPLE RESULTS SUMMARY TABLE - SOIL SUITABILITY FOR RECLAMATION  
 KERR-McGEE OIL AND GAS ONSHORE LP**

Sample Location	Date	Depth (ft. bgs)	pH	SAR	EC (mmhos/cm)	Boron (mg/L)
<i>ECMC standards for soil</i> <sup>(1)</sup>			<b>6 - 8.3</b>	<b>&lt;6</b>	<b>&lt;4</b>	<b>2</b>
<b><i>Active Release Soil Samples</i></b>						
Initial Waste Characterization-01 @ 3"	6/23/2025	0.25	8.16	4.96	0.577	0.317
Initial Waste Characterization-02 @ 3"	6/23/2025	0.25	<b>8.34</b>	2.57	0.450	0.351
Initial Waste Characterization-03 @ 3"	6/23/2025	0.25	8.30	5.48	0.521	0.311

**Notes:**

<sup>(1)</sup> Standards for soil are taken from ECMC Table 915-1, effective January 15, 2021

ECMC = Energy and Carbon Management Commission

ft. bgs = Feet below ground surface

mmhos/cm = Millimhos per centimeter

mg/L = Milligrams per liter

SAR = Sodium Adsorption Ratio

EC = Electrical Conductivity

Values presented in **BOLD** contained concentrations exceeding ECMC Table 915-1 Cleanup Concentrations and background concentrations.

TABLE 4  
 PLUS L 11-2D  
 SOIL SAMPLE RESULTS SUMMARY TABLE - PAHs  
 KERR-McGEE OIL AND GAS ONSHORE LP

Sample Location	Date	1-Methyl-naphthalene (mg/kg)	2-Methyl-naphthalene (mg/kg)	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo(a)-anthracene (mg/kg)	Benzo(a)-pyrene (mg/kg)	Benzo(b)-fluoranthene (mg/kg)	Benzo(k)-fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo(a,h)-anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno(1,2,3-cd)-pyrene (mg/kg)	Naphthalene (mg/kg)	Pyrene (mg/kg)
<i>ECMC standards for soil (mg/kg)<sup>(1)</sup></i>		0.006	0.019	0.55	5.8	0.011	0.24	0.3	2.9	9	0.096	8.9	0.54	0.98	0.0038	1.3
<i>ECMC standards for soil (mg/kg)<sup>(2)</sup></i>		18	24	360	1,800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	2	180
<b>Active Release Soil Samples</b>																
Initial Waste Characterization-01 @ 3"	6/23/2025	<b>26.4</b>	<b>59.9</b>	0.349	0.169	<b>0.028</b>	0.027	0.223	0.020	0.353	0.026	0.144	<b>4.85</b>	0.017	<b>13.6</b>	0.322
Initial Waste Characterization-02 @ 3"	6/23/2025	<b>19.6</b>	<b>44.5</b>	0.210	0.070	<b>0.019</b>	0.017	0.078	0.025	0.170	0.017	0.090	<b>3.40</b>	0.015	<b>9.13</b>	0.204
Initial Waste Characterization-03 @ 3"	6/23/2025	<b>4.08</b>	<b>9.05</b>	0.052	0.025	0.010	0.015	0.025	0.010	0.044	0.012	0.022	<b>0.791</b>	0.013	<b>1.86</b>	0.054

**Notes:**  
<sup>(1)</sup> Standards are taken from ECMC Table 915-1: Protection of Groundwater Soil Screening Level Concentrations, effective January 15, 2021.  
<sup>(2)</sup> Standards for soil are taken from ECMC Table 915-1: Residential Soil Screening Level Concentrations, effective January 15, 2021.

ECMC = Energy & Carbon Management Commission

mg/kg = milligrams per kilogram

PAH = Polycyclic Aromatic Hydrocarbons

Values presented in **BOLD** contained concentrations exceeding ECMC Table 915-1 Cleanup Concentrations.

**TABLE 5**  
**PLUSS L 11-2D**  
**SOIL SAMPLE RESULTS SUMMARY TABLE - METALS**  
**KERR-McGEE OIL AND GAS ONSHORE LP**

Sample Location	Date	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
<i>ECMC standards for soil (mg/kg) <sup>(1)</sup></i>		<b>0.29</b>	<b>82</b>	<b>0.38</b>	<b>0.00067</b>	<b>46</b>	<b>14</b>	<b>26</b>	<b>0.26</b>	<b>0.8</b>	<b>370</b>
<i>ECMC standards for soil (mg/kg) <sup>(2)</sup></i>		<b>0.68</b>	<b>15,000</b>	<b>71</b>	<b>0.3</b>	<b>3,100</b>	<b>400</b>	<b>1,500</b>	<b>390</b>	<b>390</b>	<b>23,000</b>
<i>Active Release Soil Samples</i>											
Initial Waste Characterization-01 @ 3"	6/23/2025	<b>1.73</b>	<b>678</b>	<0.363	<b>4.16</b>	<43.9	<13.4	<24.8	<0.248	<0.764	<353
Initial Waste Characterization-02 @ 3"	6/23/2025	<b>2.46</b>	<b>665</b>	<0.332	*<0.136	<40.1	<b>22.1</b>	<22.7	<0.227	<0.698	<323
Initial Waste Characterization-03 @ 3"	6/23/2025	<b>2.20</b>	<b>586</b>	<0.330	<b>0.211</b>	<39.9	<12.1	<22.6	<0.226	<0.694	<321

**Notes:**

<sup>(1)</sup> Standards are taken from ECMC Table 915-1: Protection of Groundwater Soil Screening Level Concentrations, effective January 15, 2021.

<sup>(2)</sup> Standards for soil are taken from ECMC Table 915-1: Residential Soil Screening Level Concentrations, effective January 15, 2021.

ECMC = Energy and Carbon Management Commission

(<) = Analytical result is less than the indicated laboratory reporting limit

mg/kg = milligrams per kilogram

\* = compound is in accordance with the ECMC Table 915-1 Footnote 9.

Values presented in **BOLD** contained concentrations exceeding ECMC Table 915-1 Cleanup Concentrations and background concentrations.