

**TABLE 1**  
**STRONG P 28-2**  
**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)
<b>Wellhead Soil Samples</b>							
<b>Initial Waste Characterization @ 4'</b>	<b>9/7/2022</b>	<b>4</b>	<b>339.0</b>	<b>HC Staining</b>	<b>HC Odor</b>	<b>40.2003708531402, -104.891294329247</b>	<b>Y</b>
<b>WH-B01 @ 6'</b>	<b>9/8/2022</b>	<b>6</b>	<b>1181</b>	<b>HC Staining</b>	<b>HC Odor</b>	<b>40.2003913963862, -104.891290280184</b>	<b>Y</b>
WH-N01 @ 5'	9/8/2022	5	7.1	N/S	N/O	40.200405119967, -104.8912807397	N
WH-S01 @ 5'	9/8/2022	5	8.9	N/S	N/O	40.2003831737449, -104.891287490887	N
WH-E01 @ 5'	9/8/2022	5	2.2	N/S	N/O	40.2003929580574, -104.891268390636	N
WH-W01 @ 5'	9/8/2022	5	31.5	N/S	N/O	40.2003926136634, -104.891297283119	N
WHS-N01 @ 3"	9/8/2022	0.25	3.4	N/S	N/O	40.2004589419087, -104.891280131731	N
WHS-S01 @ 3"	9/8/2022	0.25	2.8	N/S	N/O	40.2003618738675, -104.891269496134	N
WHS-E01 @ 3"	9/8/2022	0.25	2.7	N/S	N/O	40.2004007822653, -104.891232222224	N
<b>WHS-W01 @ 3"</b>	<b>9/8/2022</b>	<b>0.25</b>	<b>260.1</b>	<b>N/S</b>	<b>HC Odor</b>	<b>40.2004021025937, -104.891336196926</b>	<b>Y</b>
WH-B02 @ 11'	11/1/2022	11	2.8	N/S	N/O	40.2003846012175, -104.891275942489	Y
WH-N02 @ 6'	11/1/2022	6	0.3	N/S	N/O	40.2004046609669, -104.891306678548	Y
<b>WH-N03 @ 6'</b>	<b>11/1/2022</b>	<b>6</b>	<b>0.2</b>	<b>N/S</b>	<b>N/O</b>	<b>40.2003955609693, -104.891322878545</b>	<b>Y</b>
WH-S02 @ 6'	11/1/2022	6	0.4	N/S	N/O	40.2003613399631, -104.891325710631	Y
<b>WH-S03 @ 6'</b>	<b>11/1/2022</b>	<b>6</b>	<b>0.3</b>	<b>N/S</b>	<b>N/O</b>	<b>40.2003600598138, -104.89128486158</b>	<b>Y</b>
WH-E02 @ 6'	11/1/2022	6	0.2	N/S	Slight HC odor	40.2003916609646, -104.891248878563	Y
<b>WH-W02 @ 6'</b>	<b>11/1/2022</b>	<b>6</b>	<b>0.2</b>	<b>N/S</b>	<b>N/O</b>	<b>40.2003797278266, -104.891345752029</b>	<b>Y</b>
WH-W02 @ 1'	11/1/2022	1	0.1	N/S	Slight HC odor	40.2003797278266, -104.891345752029	Y
<b>WH-N04 @ 6'</b>	<b>5/2/2024</b>	<b>6</b>	<b>2.0</b>	<b>N/S</b>	<b>N/O</b>	<b>40.200409308841, -104.891351145608</b>	<b>Y</b>
<b>WH-S04 @ 6'</b>	<b>5/2/2024</b>	<b>6</b>	<b>1.1</b>	<b>N/S</b>	<b>N/O</b>	<b>40.2003473948694, -104.891326480365</b>	<b>Y</b>
<b>WH-W03 @ 6'</b>	<b>5/2/2024</b>	<b>6</b>	<b>3.5</b>	<b>N/S</b>	<b>N/O</b>	<b>40.2003772783033, -104.891384965009</b>	<b>Y</b>
<b>WH-N05 @ 6'</b>	<b>5/10/2024</b>	<b>6</b>	<b>3.8</b>	<b>N/S</b>	<b>N/O</b>	<b>40.200625301728884, -104.89120730401</b>	<b>Y</b>
<b>WH-N06 @ 6'</b>	<b>6/6/2024</b>	<b>6</b>	<b>8.6</b>	<b>HC Staining</b>	<b>N/O</b>	<b>40.20043836296981, -104.891352478561</b>	<b>Y</b>
<b>WH-N07 @ 6'</b>	<b>6/6/2024</b>	<b>6</b>	<b>4.8</b>	<b>HC Staining</b>	<b>N/O</b>	<b>40.200438362966864, -104.891310569055</b>	<b>Y</b>
<b>WH-W05 @ 6'</b>	<b>6/6/2024</b>	<b>6</b>	<b>3.8</b>	<b>HC Staining</b>	<b>N/O</b>	<b>40.20040558461302, -104.891367901264</b>	<b>Y</b>
<b>WH-W04 @ 6'</b>	<b>6/6/2024</b>	<b>6</b>	<b>6.5</b>	<b>HC Staining</b>	<b>N/O</b>	<b>40.2003774156989, -104.891365554335</b>	<b>Y</b>
<b>WH-S05 @ 6'</b>	<b>6/6/2024</b>	<b>6</b>	<b>6.4</b>	<b>HC Staining</b>	<b>N/O</b>	<b>40.200337509605944, -104.891310140733</b>	<b>Y</b>
<b>WH-S06 @ 6'</b>	<b>6/6/2024</b>	<b>6</b>	<b>1.9</b>	<b>HC Staining</b>	<b>N/O</b>	<b>40.20034361298564, -104.891350466916</b>	<b>Y</b>
<b>WH-E03 @ 6'</b>	<b>6/6/2024</b>	<b>6</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>40.20037536704443, -104.891284417531</b>	<b>Y</b>
<b>Flowline Soil Samples</b>							
FL-B01 @ 2'	9/7/2022	2	0.9	N/O	N/S	40.2003876487077, -104.89126115507	Y
FL-B02 @ 3'	9/7/2022	3	0.9	N/O	N/S	40.2008477186183, -104.891559468178	Y
FL-B03 @ 4'	9/7/2022	4	2.3	N/O	N/S	40.2006182235819, -104.891372362788	N
FL-B04 @ 3'	9/9/2022	3	0.1	N/O	N/S	40.2005133576084, -104.891373926433	N
DL-B01 @ 5'	9/15/2022	5	31.6	HC Staining	HC Odor	40.2006801867664, -104.891421424863	Y
<b>Wellhead Background Soil Samples</b>							
WH-BG01 @ 3'	9/7/2022	3	1.8	N/S	N/O	40.200450267686, -104.891220202246	Y
WH-BG01 @ 6'	9/7/2022	6	2.3	N/S	N/O	40.200450267686, -104.891220202246	Y
WH-BG02 @ 3'	9/7/2022	3	0.5	N/S	N/O	40.200365650143, -104.891416303172	Y
WH-BG02 @ 6'	9/7/2022	6	0.6	N/S	N/O	40.200365650143, -104.891416303172	Y
WH-BG03 @ 10'	11/1/2022	10	0.8	N/S	N/O	40.2004825501, -104.891316999424	Y
WH-BG04 @ 10'	11/1/2022	10	0.5	N/S	N/O	40.2004071386033, -104.891431920183	Y
WH-BG05 @ 6'	3/18/2024	6	0.2	N/S	N/O	40.20028563, -104.8913849	Y
WH-BG05 @ 8'	3/18/2024	8	0.4	N/S	N/O	40.20028563, -104.8913849	Y
WH-BG06 @ 6'	3/18/2024	6	0.2	N/S	N/O	40.20026502, -104.8912768	Y
WH-BG06 @ 8'	3/18/2024	8	0.2	N/S	N/O	40.20026502, -104.8912768	Y
WH-BG07 @ 6'	3/18/2024	6	0.1	N/S	N/O	40.20029915, -104.8911761	Y
WH-BG07 @ 8'	3/18/2024	8	0.2	N/S	N/O	40.20029915, -104.8911761	Y
WH-BG08 @ 6'	3/18/2024	6	0.3	N/S	N/O	40.2003774, -104.8911282	Y
WH-BG09 @ 4'	6/6/2024	4	12.6	N/S	N/O	40.20036614813339, -104.891413163535	Y
WH-BG09 @ 8'	6/6/2024	8	12.4	N/S	N/O	40.20036614813339, -104.891413163535	Y
WH-BG10 @ 4'	6/6/2024	4	13.0	N/S	N/O	40.20041890082734, -104.891431938987	Y
WH-BG10 @ 8'	6/6/2024	8	13.4	N/S	N/O	40.20041890082734, -104.891431938987	Y
WH-BG11 @ 4'	6/6/2024	4	12.7	N/S	N/O	40.200438362961656, -104.891236808325	Y
WH-BG11 @ 8'	6/6/2024	8	12.6	N/S	N/O	40.200438362961656, -104.891236808325	Y

**Notes:**

bgs = below ground surface

PID = photoionization detector

ppm-v = parts per million by volume

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

NA = not available

N/S = No Staining

N/O = No Odor

HC = hydrocarbon

**TABLE 2**  
**STRONG P 28-2**  
**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)	Naphthalene (mg/kg)	1,2,4-TMB (mg/kg)	1,3,5-TMB (mg/kg)
ECMC standards for soil (mg/kg) <sup>(1)</sup>		0.0026	0.69	0.78	9.9	500			0.0038	0.0081	0.0087
ECMC standards for soil (mg/kg) <sup>(2)</sup>		1.2	490	5.8	58	500			2	30	27
Wellhead Soil Samples											
Initial Waste Characterization @ 4'	9/7/2022	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	1040	498	0.187	<0.00200	<0.00200
WH-B01 @ 6'	9/8/2022	<0.00200	<0.00200	<0.00200	0.102	173	455	218	0.343	6.47	0.109
WHS-W01 @ 3"	9/8/2022	<0.00200	<0.00200	<0.00200	<0.00200	1.55	253	187	0.017	0.0238	<0.00200
WH-B02 @ 11'	11/1/2022	NA	NA	NA	NA	0.231	<25.0	<100	<0.00201	0.00328	<0.00200
WH-N02 @ 6'	11/1/2022	NA	NA	NA	NA	<0.200	<25.0	<100	<0.00201	<0.00200	<0.00200
WH-N03 @ 6'	11/1/2022	NA	NA	NA	NA	<0.200	<25.0	<100	<0.00201	<0.00200	<0.00200
WH-S02 @ 6'	11/1/2022	NA	NA	NA	NA	<0.200	<25.0	<100	<0.0101	<0.00200	<0.00200
WH-S03 @ 6'	11/1/2022	NA	NA	NA	NA	<0.200	<25.0	<100	<0.00201	<0.00200	<0.00200
WH-E02 @ 6'	11/1/2022	NA	NA	NA	NA	<0.200	<25.0	<100	<0.0101	<0.00200	<0.00200
WH-W02 @ 6'	11/1/2022	NA	NA	NA	NA	<0.200	<25.0	<100	<0.0101	<0.00200	<0.00200
WH-W02 @ 1'	11/1/2022	NA	NA	NA	NA	<0.200	<25.0	<100	<0.00201	<0.00200	<0.00200
WH-N04 @ 6'	5/2/2024	NA	NA	NA	NA	<0.200	<25.0	<100	0.030	<0.00200	<0.00200
WH-S04 @ 6'	5/2/2024	NA	NA	NA	NA	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
WH-W03 @ 6'	5/2/2024	NA	NA	NA	NA	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
WH-N05 @ 6'	5/10/2024	NA	NA	NA	NA	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
WH-N06 @ 6'	6/6/2024	NA	NA	NA	NA	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
WH-N07 @ 6'	6/6/2024	NA	NA	NA	NA	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
WH-W05 @ 6'	6/6/2024	NA	NA	NA	NA	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
WH-W04 @ 6'	6/6/2024	NA	NA	NA	NA	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
WH-S05 @ 6'	6/6/2024	NA	NA	NA	NA	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
WH-S06 @ 6'	6/6/2024	NA	NA	NA	NA	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
WH-E03 @ 6'	6/6/2024	NA	NA	NA	NA	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
Flowline Soil Samples											
FL-B01 @ 2'	9/7/2022	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00380	<0.00200	<0.00200
FL-B02 @ 3'	9/7/2022	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00380	<0.00200	<0.00200
DL-B01 @ 5'	9/15/2022	<0.00200	<0.00200	<0.00200	<0.00200	0.373	<25.0	<100	<0.00380	<0.00200	<0.00200

**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 & Carbon Management Commission

< = Analytical result is less than the laboratory reporting limit

mg/kg = milligrams per kilogram

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

NA = Not Analyzed

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**  
**STRONG P 28-2**  
**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)
<b>ECMC standards for soil (mg/kg) <sup>(1)</sup></b>			<b>6 - 8.3</b>	<b>&lt;6</b>	<b>&lt;4</b>	<b>2</b>
<b>Site Specific Background Limits</b>			<b>8.56</b>	<b>2.72</b>	<b>3.20</b>	<b>1.10</b>
<b>Wellhead Soil Samples</b>						
Initial Waste Characterization @ 4'	9/7/2022	4	<b>8.34*</b>	2.11	1.68	<b>3.67</b>
WH-B01 @ 6'	9/8/2022	6	8.23	2.17	0.799	0.336
WHS-W01 @ 3"	9/8/2022	0.25	8.10	1.19	1.03	0.637
WH-B02 @ 11'	11/1/2022	11	7.84	NA	NA	0.861
WH-N02 @ 6'	11/1/2022	6	8.11	NA	NA	0.326
WH-N03 @ 6'	11/1/2022	6	8.07	NA	NA	1.69
WH-S02 @ 6'	11/1/2022	6	8.19	NA	NA	0.706
WH-S03 @ 6'	11/1/2022	6	8.19	NA	NA	0.977
WH-E02 @ 6'	11/1/2022	6	8.25	NA	NA	0.275
WH-W02 @ 6'	11/1/2022	6	8.06	NA	NA	1.02
WH-W02 @ 1'	11/1/2022	1	8.00	NA	NA	0.601
WH-N04 @ 6'	5/2/2024	6	<b>8.75</b>	NA	NA	0.261
WH-S04 @ 6'	5/2/2024	6	<b>8.65</b>	NA	NA	0.381
WH-W03 @ 6'	5/2/2024	6	<b>8.71</b>	NA	NA	0.191
WH-N05 @ 6'	5/10/2024	6	8.20	NA	NA	0.232
WH-N06 @ 6'	6/6/2024	6	8.28	NA	NA	<b>2.45</b>
WH-N07 @ 6'	6/6/2024	6	<b>8.67</b>	NA	NA	0.277
WH-W05 @ 6'	6/6/2024	6	<b>8.67</b>	NA	NA	0.703
WH-W04 @ 6'	6/6/2024	6	<b>8.70</b>	NA	NA	<1.01
WH-S05 @ 6'	6/6/2024	6	<b>8.60</b>	NA	NA	0.957
WH-S06 @ 6'	6/6/2024	6	<b>8.35*</b>	NA	NA	1.88
WH-E03 @ 6'	6/6/2024	6	<b>8.54*</b>	NA	NA	0.783
<b>Wellhead Background Soil Samples</b>						
WH-BG01 @ 3'	9/7/2022	3	8.23	2.72	2.45	1.10
WH-BG01 @ 6'	9/7/2022	6	8.33	1.62	0.931	0.264
WH-BG02 @ 3'	9/7/2022	3	8.18	1.75	3.20	1.62
WH-BG02 @ 6'	9/7/2022	6	8.29	1.99	1.73	0.332
WH-BG03 @ 10'	11/1/2022	10	8.33	NA	NA	<0.0990
WH-BG04 @ 10'	11/1/2022	10	8.30	NA	NA	<0.0989
WH-BG09 @ 4'	6/6/2024	4	8.45	1.87	0.808	0.27
WH-BG09 @ 8'	6/6/2024	8	8.46	1.49	0.653	0.233
WH-BG10 @ 4'	6/6/2024	4	8.39	1.85	0.980	0.169
WH-BG10 @ 8'	6/6/2024	8	8.48	1.66	0.894	0.166
WH-BG11 @ 4'	6/6/2024	4	8.56	1.57	0.632	0.243
WH-BG11 @ 8'	6/6/2024	8	8.56	1.97	0.766	0.433

**Notes:**

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

ECMC = Energy & Carbon Management Commission

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

ft. bgs = Feet below ground surface

mmhos/cm = Millimhos per centimeter

mg/L = Milligrams per liter

SAR = Sodium Absorption Ratio

EC = Electrical Conductivity

NA = Not Analyzed

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

Values presented in **BOLD\*** contained concentrations exceeding ECMC Table 915-1 Cleanup Concentrations, but were within site specific background limits.

TABLE 4  
STRONG P 28-2  
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)	Ideno(1,2,3-cd)-pyrene (mg/kg)	Pyrene (mg/kg)
ECMC standards for soil (mg/kg) <sup>(1)</sup>		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	1.3
ECMC standards for soil (mg/kg) <sup>(2)</sup>		18	24	360	1,800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	180
<b>Wellhead Soil Samples</b>															
Initial Waste Characterization @ 4'	9/7/2022	<b>0.702</b>	<b>1</b>	0.0499	<0.00335	0.00572	0.00325	<0.00335	<0.00335	0.0283	<0.00335	<0.00335	0.153	<0.00335	0.018
WH-B01 @ 6"	9/8/2022	<b>1.21</b>	<b>1.69</b>	0.11	0.00433	0.00738	0.00481	<0.00335	<0.00335	0.0469	<0.00335	0.00276	0.224	<0.00335	0.0228
WHS-W01 @ 3"	9/8/2022	<b>0.141</b>	<b>0.128</b>	0.0174	0.00222	<0.00335	0.00438	<0.00335	<0.00335	0.0149	<0.00335	<0.00335	0.0559	<0.00335	0.00923
WH-B02 @ 11'	11/1/2022	0.00114	<0.00201	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WH-N02 @ 6"	11/1/2022	<0.00201	<0.00201	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WH-N03 @ 6"	11/1/2022	<0.00201	<0.00201	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WH-S02 @ 6"	11/1/2022	<0.0101	<0.0101	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WH-S03 @ 6"	11/1/2022	<0.00201	<0.00201	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WH-E02 @ 6"	11/1/2022	<0.0101	<0.0101	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WH-W02 @ 6"	11/1/2022	<0.0101	<0.0101	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WH-W02 @ 1'	11/1/2022	<0.00201	<0.00201	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WH-N04 @ 6"	5/2/2024	<0.002	<0.002	<0.020	NA	<0.005	<0.020	NA	NA	<0.020	NA	NA	<0.020	NA	<0.020
WH-S04 @ 6"	5/2/2024	<0.002	<0.002	<0.020	NA	<0.005	<0.020	NA	NA	<0.020	NA	NA	<0.020	NA	<0.020
WH-W03 @ 6"	5/2/2024	<0.002	<0.002	<0.020	NA	<0.005	<0.020	NA	NA	<0.020	NA	NA	<0.020	NA	<0.020
WH-N05 @ 6"	5/10/2024	<0.002	<0.002	<0.020	NA	<0.005	<0.020	NA	NA	<0.020	NA	NA	<0.020	NA	<0.020
WH-N06 @ 6"	6/6/2024	<0.002	<0.002	<0.020	NA	<0.005	<0.020	NA	NA	<0.020	NA	NA	<0.020	NA	<0.020
WH-N07 @ 6"	6/6/2024	<0.002	<0.002	<0.020	NA	<0.005	<0.020	NA	NA	<0.020	NA	NA	<0.020	NA	<0.020
WH-W05 @ 6"	6/6/2024	<0.002	<0.002	<0.020	NA	<0.005	<0.020	NA	NA	<0.020	NA	NA	<0.020	NA	<0.020
WH-W04 @ 6"	6/6/2024	<0.002	<0.002	<0.020	NA	<0.005	<0.020	NA	NA	<0.020	NA	NA	<0.020	NA	<0.020
WH-S05 @ 6"	6/6/2024	<0.002	<0.002	<0.020	NA	<0.005	<0.020	NA	NA	<0.020	NA	NA	<0.020	NA	<0.020
WH-S06 @ 6"	6/6/2024	<0.002	<0.002	<0.020	NA	<0.005	<0.020	NA	NA	<0.020	NA	NA	<0.020	NA	<0.020
WH-E03 @ 6"	6/6/2024	<0.002	<0.002	<0.020	NA	<0.005	<0.020	NA	NA	<0.020	NA	NA	<0.020	NA	<0.020

**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

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

mg/kg = milligrams per kilogram

PAH = Polycyclic Aromatic Hydrocarbons

NA = Not Analyzed

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

TABLE 5  
STRONG P 28-2  
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)
<b>ECMC standards for soil (mg/kg) <sup>(1)</sup></b>		<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>
<b>Site Specific Background Limits (1.25x buffer applied)</b>		<b>(@3') 4.35 (@6') 3.27</b>	<b>(@3') 263 (@6') 130</b>	0.207	NA	13.2	11.8	10.9	<b>(@3') 0.746 (@8') 3.95</b>	NA	42.3
<b>Wellhead Soil Samples</b>											
Initial Waste Characterization @ 4'	9/7/2022	<b>6.83</b>	<b>474</b>	<b>0.504</b>	*<5	9.83	<8.74	<b>35.1</b>	<b>0.462*</b>	<0.0874	<87.4
WH-B01 @ 6'	9/8/2022	<b>3.23*</b>	<b>96.0*</b>	<b>1.63</b>	*<2.5	9.35	10.8	<8.59	<b>1.92*</b>	<0.0859	<85.9
WHS-W01 @ 3"	9/8/2022	<b>2.90</b>	<b>101</b>	0.227	*<1.03	16.9	<b>20.0</b>	7.87	<b>0.385</b>	<0.0781	<78.1
WH-B02 @ 11'	11/1/2022	<b>1.86*</b>	<b>92.6*</b>	<0.0906	NA	<9.06	<9.06	<9.06	<b>0.465*</b>	NA	NA
WH-N02 @ 6'	11/1/2022	<b>1.35*</b>	72.4	<0.0972	NA	<9.72	<9.72	<9.72	0.174	NA	NA
WH-N03 @ 6'	11/1/2022	<b>1.99*</b>	<b>407</b>	0.216	NA	<9.60	<9.60	10.6	<b>0.280*</b>	NA	NA
WH-S02 @ 6'	11/1/2022	<b>1.95*</b>	<b>114*</b>	0.144	NA	<9.25	9.29	<9.25	0.221	NA	NA
WH-S03 @ 6'	11/1/2022	<b>2.43*</b>	<b>398</b>	0.325	NA	<8.64	<8.64	<8.64	<b>0.291*</b>	NA	NA
WH-E02 @ 6'	11/1/2022	<b>1.64*</b>	64.8	<0.0865	NA	<8.65	<8.65	<8.65	0.205	NA	NA
WH-W02 @ 6'	11/1/2022	<b>4.49</b>	<b>319</b>	0.148	NA	<9.00	<9.00	10.4	<b>0.444*</b>	NA	NA
WH-W02 @ 1'	11/1/2022	<b>1.69*</b>	67.8	<0.0907	NA	<9.07	<9.07	<9.07	0.230	NA	NA
WH-N04 @ 6'	5/2/2024	<b>2.89*</b>	<b>95.9*</b>	<0.0964	NA	<9.64	NA	6.11	<b>1.10*</b>	NA	NA
WH-S04 @ 6'	5/2/2024	<b>1.74*</b>	61.6	<0.0918	NA	<9.18	NA	4.87	<0.239	NA	NA
WH-W03 @ 6'	5/2/2024	<b>2.17*</b>	49.6	<0.0923	NA	<9.23	NA	6.21	<0.240	NA	NA
WH-N05 @ 6'	5/10/2024	<b>5.44</b>	72.6	<0.0945	NA	11.7	NA	8.37	<b>4.53</b>	NA	NA
WH-N06 @ 6'	6/6/2024	<b>2.84*</b>	<b>336</b>	<b>0.529</b>	NA	<8.61	NA	11.0	<b>0.952*</b>	NA	NA
WH-N07 @ 6'	6/6/2024	<b>3.20*</b>	<b>152*</b>	0.103	NA	<8.99	NA	6.25	<b>0.337*</b>	NA	NA
WH-W05 @ 6'	6/6/2024	<b>1.84*</b>	<b>143*</b>	0.0930	NA	<9.21	NA	7.53	<0.239	NA	NA
WH-W04 @ 6'	6/6/2024	<b>3.71*</b>	<b>195*</b>	0.104	NA	<8.93	NA	15.4	<0.232	NA	NA
WH-S05 @ 6'	6/6/2024	<b>2.60*</b>	<b>237*</b>	0.343	NA	9.54	NA	14.4	<b>0.411*</b>	NA	NA
WH-S06 @ 6'	6/6/2024	<b>1.92*</b>	<b>474</b>	0.319	NA	<9.09	NA	10.0	<b>0.457*</b>	NA	NA
WH-E03 @ 6'	6/6/2024	<b>2.11*</b>	<b>426</b>	<b>0.486</b>	NA	<9.55	NA	12.5	<b>0.530*</b>	NA	NA
<b>Background Soil Samples</b>											
WH-BG01 @ 3'	8/16/2022	3.48	135	0.165	<1.04	10.6	<9.61	<9.61	0.382	<0.0961	<96.1
WH-BG01 @ 6'	8/16/2022	2.62	68.6	<0.0856	<2.5	<8.56	<8.56	<8.56	0.233	<0.0856	<85.6
WH-BG02 @ 3'	8/16/2022	2.02	211	0.166	<0.508	<9.65	<9.65	<9.65	0.597	<0.0965	<96.5
WH-BG02 @ 6'	8/16/2022	2.02	50.0	<0.0874	<2.5	<8.74	<8.74	<8.74	0.147	<0.0874	<87.4
WH-BG03 @ 10'	11/1/2022	1.24	23.4	<0.0850	NA	<8.50	<8.50	<8.50	0.104	NA	NA
WH-BG04 @ 10'	11/1/2022	1.86	20.9	0.133	NA	<9.22	<9.22	<9.22	0.149	NA	NA
WH-BG05 @ 6'	3/18/2024	2.49	74.1	NA	NA	NA	7.06	NA	0.912	NA	NA
WH-BG05 @ 8'	3/18/2024	2.60	50.0	NA	NA	NA	5.32	NA	1.26	NA	NA
WH-BG06 @ 6'	3/18/2024	2.41	104	NA	NA	NA	5.55	NA	0.471	NA	NA
WH-BG06 @ 8'	3/18/2024	3.20	85.9	NA	NA	NA	6.56	NA	3.16	NA	NA
WH-BG07 @ 6'	3/18/2024	1.94	47.5	NA	NA	NA	5.70	NA	0.433	NA	NA
WH-BG07 @ 8'	3/18/2024	4.64	95.8	NA	NA	NA	8.56	NA	3.00	NA	NA
WH-BG08 @ 6'	3/18/2024	2.37	64.4	NA	NA	NA	9.48	NA	0.407	NA	NA
WH-BG09 @ 4'	6/6/2024	2.03	93.3	<0.0883	<0.318	<8.83	6.29	5.85	0.565	<0.0883	<32.7
WH-BG09 @ 8'	6/6/2024	2.40	80.1	<0.0841	<0.355	<8.41	6.02	4.23	1.87	<0.0841	<31.1
WH-BG10 @ 4'	6/6/2024	1.78	105	<0.0949	<0.351	<9.49	4.23	7.48	<0.247	<0.0949	<35.1
WH-BG10 @ 8'	6/6/2024	2.07	51.6	<0.0843	<0.289	<8.43	5.68	8.72	<0.219	<0.0843	33.9
WH-BG11 @ 4'	6/6/2024	3.62	86.4	<0.0927	<0.367	<9.27	6.17	3.88	0.471	<0.0927	<34.3
WH-BG11 @ 8'	6/6/2024	1.73	63.3	<0.0951	<0.422	<9.51	4.63	3.48	<0.247	<0.0951	<35.2

**Notes:**

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

ECMC = Energy & Carbon Management Commission

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

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

Values presented in **BOLD\*** contained concentrations exceeding ECMC Table 915-1 Cleanup Concentrations, but are within site-specific background limits

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

NA = Not Analyzed



**TABLE 6**  
**STRONG P 28-2**  
**GROUNDWATER RESULTS SUMMARY TABLE - VOCs**  
**KERR-McGEE OIL AND GAS ONSHORE LP**

Sample Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Naphthalene (µg/L)	1,2,4- Trimethylbenzene (µg/L)	1,3,5- Trimethylbenzene (µg/L)
<b>ECMC Standards for Groundwater (µg/L) <sup>(1)</sup></b>		<b>5</b>	<b>560</b>	<b>700</b>	<b>1400</b>	<b>140</b>	<b>67</b>	<b>67</b>
GW-01	11/1/22	<1.00	2.17	<1.00	5.17	<2.00	12.2	<2.00

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

ECMC = Energy & Carbon Management Commission

µg/L = micrograms per liter

< = Analytical result is less than the laboratory reporting limit

**TABLE 7**  
**STRONG P 28-2**  
**SOIL VAPOR DATA SUMMARY TABLE**  
**KERR-McGEE OIL AND GAS ONSHORE LP**

Soil Vapor Point ID	Date	Time	Methane (%)	Carbon Dioxide (%)	Carbon Monoxide (PPM)	Oxygen (%)	Hydrogen Sulfide (PPM)	Sample Collected (Y or N)
SVP-01 @ 8'	09/09/22	1104	Unable to get reading - groundwater present					
SVP-02 @ 8'	09/09/22	1108	Unable to get reading - groundwater present					
SVP-03 @ 5'	09/09/22	1113	0.0	3.8	0	16.1	0	N
SVP-04 @ 5'	09/09/22	1116	0.0	4.0	0	16.4	0	N
SVP-05 @ 5'	09/09/22	1119	0.0	5.2	0	15.1	0	N

% = percentage

ppm = parts per million