

TABLE 1
REI H 9-32D, 33D, UPRC 9-12J5
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)
REI H 9-32D Wellhead Soil Samples							
WH-B01 @ 6'	06/06/23	6	0.8	N/S	N/O	40.23545714, -104.6765861	Y
WH-N01 @ 5'	06/06/23	5	1.1	N/S	N/O	40.23547354, -104.6765844	N
WH-S01 @ 5'	06/06/23	5	1.3	N/S	N/O	40.23543954, -104.6765812	N
WH-E01 @ 5'	06/06/23	5	0.9	N/S	N/O	40.23545604, -104.6765669	N
WH-W01 @ 5'	06/06/23	5	0.7	N/S	N/O	40.23545578, -104.6766048	N
WHS-N01 @ 3"	06/06/23	0.25	0.4	N/S	N/O	40.23550467, -104.6765817	N
WHS-S01 @ 3"	06/06/23	0.25	1.2	N/S	N/O	40.23540792, -104.676587	N
WHS-E01 @ 3"	06/06/23	0.25	1.0	N/S	N/O	40.23545809, -104.6765294	N
WHS-W01 @ 3"	06/06/23	0.25	0.6	N/S	N/O	40.23545714, -104.6766422	N
REI H 9-32D Flowline Soil Samples							
FL-B01 @ 4'	6/6/2023	4	1.5	N/S	N/O	40.23544375, -104.6765622	Y
FL-B02 @ 4'	6/6/2023	4	0.8	N/S	N/O	40.23506114, -104.6761581	N
FL-B03 @ 4'	6/6/2023	4	0.3	N/S	N/O	40.23471094, -104.6758784	N
FL-B04 @ 4'	6/7/2023	4	0.6	N/S	N/O	40.23528162, -104.6763972	N
FL-B05 @ 4'	6/7/2023	4	0.6	N/S	N/O	40.23441693, -104.6757018	N
FL-B06 @ 4'	6/7/2023	4	0.5	N/S	N/O	40.2341259, -104.6754511	Y
FL-B07 @ 4'	6/7/2023	4	0.9	N/S	N/O	40.23399448, -104.6752072	Y
FL-B08 @ 4'	6/7/2023	4	19.0	N/S	Slight HC odor	40.23389368, -104.674879	Y
FL-B08 @ 7'	8/10/2023	7	0.4	N/S	N/O	40.23387963, -104.6748869	Y
FL-N03 @ 4'	8/10/2023	4	0.2	N/S	N/O	40.23390088, -104.6748825	Y
FL-S03 @ 4'	8/10/2023	4	0.2	N/S	N/O	40.23386104, -104.6748931	Y
FL-E03 @ 4'	8/10/2023	4	0.1	N/S	N/O	40.23387631, -104.6748674	Y
FL-W03 @ 4'	8/10/2023	4	0.3	N/S	N/O	40.23388629, -104.6749093	Y
UPRC 9-12J5 Wellhead Soil Samples							
WH-B01 @ 6'	06/06/23	6	1.1	N/S	N/O	40.23542334, -104.6764189	Y
WH-N01 @ 5'	06/06/23	5	1.4	N/S	N/O	40.23544095, -104.6764193	N
WH-S01 @ 5'	06/06/23	5	2.1	N/S	N/O	40.23541064, -104.6764165	N
WH-E01 @ 5'	06/06/23	5	1.2	N/S	N/O	40.23542443, -104.6763993	N
WH-W01 @ 5'	06/06/23	5	0.9	N/S	N/O	40.23542328, -104.6764958	N
WHS-N01 @ 3"	06/06/23	0.25	1	N/S	N/O	40.23547652, -104.6764167	N
WHS-S01 @ 3"	06/06/23	0.25	0.7	N/S	N/O	40.23537772, -104.6764161	N
WHS-E01 @ 3"	06/06/23	0.25	1.2	N/S	N/O	40.23542942, -104.676347	N
WHS-W01 @ 3"	06/06/23	0.25	1.0	N/S	N/O	40.23542277, -104.6764338	N
UPRC 9-12J5 Flowline Soil Samples							
FL-B01 @ 5'	6/6/2023	5	2.2	N/S	N/O	40.23541303, -104.6764021	Y
FL-B02 @ 4'	6/6/2023	4	0.8	N/S	N/O	40.23470995, -104.6758878	N
FL-B03 @ 4'	6/7/2023	4	0.4	N/S	N/O	40.2353009, -104.6763229	N
FL-B04 @ 4'	6/7/2023	4	0.4	N/S	N/O	40.23442086, -104.6756911	N
FL-B05 @ 4'	6/7/2023	4	0.6	N/S	N/O	40.23407687, -104.6755374	Y
FL-B06 @ 4'	6/7/2023	4	0.1	N/S	N/O	40.23387588, -104.6753465	Y
FL-B07 @ 4'	6/7/2023	4	13.8	N/S	Slight HC odor	40.2338873, -104.6749621	Y
REI H 9-33D Wellhead Soil Samples							
WH-B01 @ 8'	8/22/2023	8	1.4	N/S	N/O	40.235434, -104.676420	Y
WH-N01 @ 7'	8/22/2023	7	0.2	N/S	N/O	40.2354117733873, -104.676541334639	N
WH-S01 @ 7'	8/22/2023	7	0.1	N/S	N/O	40.2353820067254, -104.67654466798	N
WH-E01 @ 7'	8/22/2023	7	0.1	N/S	N/O	40.2353947900543, -104.676521801316	N
WH-W01 @ 7'	8/22/2023	7	0.2	N/S	N/O	40.2353952233914, -104.676555067973	N
WHS-N01 @ 3"	8/22/2023	0.25	1.3	N/S	N/O	40.2354447410617, -104.676513324419	N
WHS-S01 @ 3"	8/22/2023	0.25	0.6	N/S	N/O	40.2353558218002, -104.67655121984	N
WHS-E01 @ 3"	8/22/2023	0.25	0.7	N/S	N/O	40.2353925410661, -104.676474424434	N
WHS-W01 @ 3"	8/22/2023	0.25	1.0	N/S	N/O	40.2354262400653, -104.676603634625	N

TABLE 1
REI H 9-32D, 33D, UPRC 9-12J5
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)
REI H 9-33D Flowline Soil Samples							
FL-B01 @ 4'	6/6/2023	4	0.8	N/S	N/O	40.23505881, -104.6761646	N
FL-B02 @ 4'	6/6/2023	4	0.3	N/S	N/O	40.2347102, -104.6758826	N
FL-B03 @ 4'	6/7/2023	4	0.4	N/S	N/O	40.23541255, -104.6765124	Y
FL-B04 @ 4'	6/7/2023	4	0.7	N/S	N/O	40.23528591, -104.6763916	N
FL-B05 @ 4'	6/7/2023	4	0.7	N/S	N/O	40.23441889, -104.6757047	N
FL-B06 @ 4'	6/7/2023	4	0.4	N/S	N/O	40.23412081, -104.675465	Y
FL-B07 @ 4'	6/7/2023	4	0.8	N/S	N/O	40.2339924, -104.6752061	Y
FL-B08 @ 4'	6/7/2023	4	4.3	N/S	N/O	40.23390846, -104.6749067	Y
FL-B09 @ 4'	8/22/2023	4	1.3	N/S	N/O	40.2353701567257, -104.676535067986	Y
FL-B03 @ 8'	9/19/2023	8	0.7	N/S	N/O	40.23540804, -104.6765185	Y
FL-N05 @ 4'	9/19/2023	4	1.0	N/S	N/O	40.23542767, -104.6765457	Y
FL-S05 @ 4'	9/19/2023	4	0.5	N/S	N/O	40.23538582, -104.6765012	Y
FL-E05 @ 4'	9/19/2023	4	0.6	N/S	N/O	40.23541304, -104.676503	Y
FL-W05 @ 4'	9/19/2023	4	0.5	N/S	N/O	40.23538544, -104.6765534	Y
REI H 9-33D & REI H 9-32D Combined Flowline Excavations							
FL-B06 @ 7'	8/10/2023	7	0.8	N/S	N/O	40.23410359, -104.6754619	N
FL-N01 @ 4'	8/10/2023	4	0.6	N/S	N/O	40.23411994, -104.6754781	N
FL-S01 @ 4'	8/10/2023	4	0.5	N/S	N/O	40.2340908, -104.6754471	N
FL-E01 @ 4'	8/10/2023	4	0.7	N/S	N/O	40.23411588, -104.6754438	N
FL-W01 @ 4'	8/10/2023	4	0.4	N/S	N/O	40.2340954, -104.6754779	N
FL-B07 @ 7'	8/10/2023	7	1.1	N/S	N/O	40.23398074, -104.6752081	N
FL-N02 @ 4'	8/10/2023	4	0.6	N/S	N/O	40.23400121, -104.6752198	N
FL-S02 @ 4'	8/10/2023	4	0.9	N/S	N/O	40.23396128, -104.6751997	N
FL-E02 @ 4'	8/10/2023	4	0.4	N/S	N/O	40.23399097, -104.6751856	N
FL-W02 @ 4'	8/10/2023	4	0.5	N/S	N/O	40.2339769, -104.6752278	N
FL-B06 @ 10'	9/19/2023	10	0.9	N/S	N/O	40.23409823, -104.6754613	Y
FL-N04 @ 7'	9/19/2023	7	0.5	N/S	N/O	40.23411574, -104.6754753	Y
FL-E04 @ 7'	9/19/2023	7	0.6	N/S	N/O	40.23410884, -104.6754442	Y
FL-S04 @ 7'	9/19/2023	7	1.1	N/S	N/O	40.23409164, -104.6754462	Y
FL-W04 @ 7'	9/19/2023	7	0.4	N/S	N/O	40.23408964, -104.6754708	Y
FL-B06 @ 12'	11/1/2023	12	0.2	N/S	N/O	40.2341135757566, -104.675465879833	Y
FL-N05 @ 10'	11/1/2023	10	0.3	N/S	N/O	40.2341314925078, -104.675466215107	Y
FL-E05 @ 10'	11/1/2023	10	0.2	N/S	N/O	40.2341148555222, -104.675430340572	Y
FL-N06 @ 7'	11/10/2023	7	0.8	N/S	N/O	40.2340926857713, -104.67547572323	Y
FL-E06 @ 7'	11/10/2023	7	1.3	N/S	N/O	40.2340462411771, -104.675440424837	Y
FL-S05 @ 10'	11/10/2023	10	0.6	N/S	N/O	40.2340841729305, -104.675426316834	Y
FL-W05 @ 10'	11/10/2023	10	0.2	N/S	N/O	40.2340619754239, -104.675491019032	Y
FL-W06 @ 10'	1/3/2024	10	2.2	N/S	N/O	40.23407894661346, -104.6754811872361	Y
FL-N07 @ 7'	1/3/2024	7	0.8	N/S	N/O	40.2341225863288, -104.67548640950321	Y
FL-N08 @ 7'	1/23/2024	7	0.7	N/S	N/O	40.2341366115824, -104.675518853446	Y
FL-N09 @ 7'	1/23/2024	7	0.9	N/S	N/O	40.2341535411653, -104.675481624815	Y
FL-W07 @ 10'	1/23/2024	10	0.5	N/S	N/O	40.2341056411753, -104.675529924809	Y
FL-W08 @ 10'	1/23/2024	10	0.4	N/S	N/O	40.2340800411774, -104.675509824817	Y
FL-B08 @ 12'	1/23/2024	12	1.0	N/S	N/O	40.2341376411685, -104.675496024813	Y
FL-B09 @ 12'	1/23/2024	12	0.9	N/S	N/O	40.2340936411758, -104.675514124814	Y
FL-E07 @ 7'	1/24/2024	7	3.1	N/S	N/O	40.2341491411629, -104.675438724825	Y
FL-S06 @ 10'	1/24/2024	10	3.9	N/S	N/O	40.2340677600444, -104.675489349162	Y
FL-B10 @ 14'	3/8/2024	14	0.1	N/S	N/O	40.2341000102115, -104.675441404683	Y
FL-B11 @ 14'	3/8/2024	14	0.4	N/S	N/O	40.234106409057, -104.675498066334	Y
FL-N08 @ 12'	3/8/2024	12	0.0	N/S	N/O	40.2341366115824, -104.675518853446	Y
FL-N09 @ 12'	3/8/2024	12	0.4	N/S	N/O	40.2341535411653, -104.675481624815	Y
FL-E07 @ 12'	3/8/2024	12	0.8	N/S	N/O	40.2341491411629, -104.675438724825	Y
FL-E08 @ 12'	3/8/2024	12	0.4	N/S	N/O	40.2341098294782, -104.675425920218	Y
FL-S06 @ 12'	3/8/2024	12	0.8	N/S	N/O	40.2340789466134, -104.675481187236	Y
FL-S07 @ 12'	3/8/2024	12	0.2	N/S	N/O	40.234089402736, -104.675425210676	Y
FL-W07 @ 12'	3/8/2024	12	0.1	N/S	N/O	40.2341056411753, -104.675529924809	Y
FL-W08 @ 12'	3/8/2024	12	0.7	N/S	N/O	40.2340800411774, -104.675509824817	Y

TABLE 1
REI H 9-32D, 33D, UPRC 9-12J5
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)
Wellhead Background Soil Samples							
WH-BG01 @ 3'	6/6/2023	3	0.4	N/S	N/O	40.23522877, -104.6764245	Y
WH-BG01 @ 6'	6/6/2023	6	1.3	N/S	N/O	40.23522877, -104.6764245	Y
WH-BG02 @ 3'	6/6/2023	3	1.4	N/S	N/O	40.23537582, -104.6767723	Y
WH-BG02 @ 6'	6/6/2023	6	1.6	N/S	N/O	40.23537582, -104.6767723	Y
WH-BG03 @ 3'	6/6/2023	3	1.0	N/S	N/O	40.23560706, -104.6767162	Y
WH-BG03 @ 6'	6/6/2023	6	1.2	N/S	N/O	40.23560706, -104.6767162	Y
WH-BG04 @ 3'	6/6/2023	3	1.4	N/S	N/O	40.23554526, -104.6763179	Y
WH-BG04 @ 6'	6/6/2023	6	1.7	N/S	N/O	40.23554526, -104.6763179	Y
WH-BG01 @ 3'	8/22/2023	3	0.1	N/S	N/O	40.2353143234213, -104.676641884649	N
WH-BG01 @ 6'	8/22/2023	6	0.2	N/S	N/O	40.2353143234213, -104.676641884649	N
WH-BG02 @ 3'	8/22/2023	3	0.7	N/S	N/O	40.2354515900137, -104.676321851344	N
WH-BG02 @ 6'	8/22/2023	6	0.7	N/S	N/O	40.2354515900137, -104.676321851344	N
WH-BG03 @ 3'	8/22/2023	3	1.2	N/S	N/O	40.2354867410621, -104.676600424394	N
WH-BG03 @ 6'	8/22/2023	6	1.1	N/S	N/O	40.2354867410621, -104.676600424394	N
WH-BG05 @ 10'	1/3/2024	10	0.4	N/S	N/O	40.23406880227912, -104.67558764947145	Y
Flowline Background Soil Samples							
FL-BG01 @ 5'	8/10/2023	5	0.7	N/S	N/O	40.23404654, -104.6755195	Y
FL-BG01 @ 7'	8/10/2023	7	0.9	N/S	N/O	40.23404654, -104.6755195	Y
FL-BG02 @ 5'	8/10/2023	5	0.5	N/S	N/O	40.23410218, -104.6751355	Y
FL-BG02 @ 7'	8/10/2023	7	1.0	N/S	N/O	40.23410218, -104.6751355	Y
FL-BG03 @ 5'	8/10/2023	5	1.1	N/S	N/O	40.23378659, -104.6747571	Y
FL-BG03 @ 7'	8/10/2023	7	1.3	N/S	N/O	40.23378659, -104.6747571	Y
FL-BG05@10'	1/3/2024	10	0.4	N/S	N/O	40.23406880227912, -104.67558764947145	Y
FL-BG06 @ 8'	2/12/2024	8	0.7	N/S	N/O	40.23422997, -104.6752601	Y
FL-BG06 @ 12'	2/12/2024	12	0.6	N/S	N/O	40.23422997, -104.6752601	Y
FL-BG07 @ 8'	2/12/2024	8	0.4	N/S	N/O	40.23432147, -104.6754158	Y
FL-BG07 @ 12'	2/12/2024	12	0.4	N/S	N/O	40.23432147, -104.6754158	Y
FL-BG08 @ 8'	2/12/2024	8	0.2	N/S	N/O	40.23423837, -104.6756946	Y
FL-BG08 @ 12'	2/12/2024	12	0.3	N/S	N/O	40.23423837, -104.6756946	Y
FL-BG09 @ 8'	2/12/2024	8	0.4	N/S	N/O	40.23409661, -104.6757011	Y
FL-BG09 @ 12'	2/12/2024	12	0.3	N/S	N/O	40.23409661, -104.6757011	Y

Notes:

bgs = below ground surface
 PID = photoionization detector
BOLD = ECMC Table 915-1 exceedance

N/S = No Staining
 N/O = No Odor

ppm-v = parts per million by volume
 HC = hydrocarbon



TABLE 2
REI H 9-32D, 33D, UPRC 9-12J5
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) ⁽¹⁾		0.0026	0.69	0.78	9.9	500			0.0038	0.0081	0.0087
ECMC standards for soil (mg/kg) ⁽²⁾		1.2	490	5.8	58	500			2	30	27
REI H 9-32D Wellhead Soil Samples											
WH-B01 @ 6'	6/6/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00380	<0.00200	<0.00200
REI H 9-32D Flowline Soil Samples											
FL-B01 @ 4'	6/6/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00380	<0.00200	<0.00200
FL-B06 @ 4'	6/7/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	0.0120	<0.00200	<0.00200
FL-B07 @ 4'	6/7/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	193	109	0.0155	<0.00200	<0.00200
FL-B08 @ 4'	6/7/2023	<0.00200	<0.00200	0.0718	0.139	<0.200	80.5	<100	0.0850	<0.00200	<0.00200
FL-B08 @ 7'	8/10/2023	NA	NA	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00201	NA	NA
FL-N03 @ 4'	8/10/2023	NA	NA	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00201	NA	NA
FL-S03 @ 4'	8/10/2023	NA	NA	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00201	NA	NA
FL-E03 @ 4'	8/10/2023	NA	NA	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00201	NA	NA
FL-W03 @ 4'	8/10/2023	NA	NA	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00201	NA	NA
REI H 9-33D Wellhead Soil Samples											
WH-B01 @ 8'	8/22/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00380	<0.00200	<0.00200
REI H 9-33D Flowline Soil Samples											
FL-B03 @ 4'	6/7/2023	<0.00200	<0.00200	<0.00200	<0.00200	0.353	<25.0	<100	0.0107	0.0102	0.00454
FL-B06 @ 4'	6/7/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	0.0117	<0.00200	<0.00200
FL-B07 @ 4'	6/7/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	104	<100	0.0112	<0.00200	<0.00200
FL-B08 @ 4'	6/7/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00380	<0.00200	<0.00200
FL-B09 @ 4'	8/22/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00380	<0.00200	<0.00200
FL-B03 @ 8'	9/19/2023	NA	NA	NA	NA	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
FL-N05 @ 4'	9/19/2023	NA	NA	NA	NA	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
FL-S05 @ 4'	9/19/2023	NA	NA	NA	NA	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
FL-E05 @ 4'	9/19/2023	NA	NA	NA	NA	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
FL-W05 @ 4'	9/19/2023	NA	NA	NA	NA	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
REI H 9-33D & REI H 9-32D Combined Flowline Excavations											
FL-B06 @ 10'	9/19/2023	NA	NA	NA	NA	NA	NA	NA	<0.002	NA	NA
FL-N04 @ 7'	9/19/2023	NA	NA	NA	NA	NA	NA	NA	<0.002	NA	NA
FL-E04 @ 7'	9/19/2023	NA	NA	NA	NA	NA	NA	NA	<0.002	NA	NA
FL-S04 @ 7'	9/19/2023	NA	NA	NA	NA	NA	NA	NA	<0.002	NA	NA
FL-W04 @ 7'	9/19/2023	NA	NA	NA	NA	NA	NA	NA	<0.002	NA	NA
FL-B06 @ 12'	11/1/2023	NA	NA	NA	NA	NA	NA	NA	<0.002	NA	NA
FL-N05 @ 10'	11/1/2023	NA	NA	NA	NA	NA	NA	NA	<0.002	NA	NA
FL-E05 @ 10'	11/1/2023	NA	NA	NA	NA	NA	NA	NA	<0.002	NA	NA
FL-B08 @ 7'	8/10/2023	NA	NA	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00201	NA	NA
FL-N03 @ 4'	8/10/2023	NA	NA	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00201	NA	NA
FL-S03 @ 4'	8/10/2023	NA	NA	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00201	NA	NA
FL-E03 @ 4'	8/10/2023	NA	NA	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00201	NA	NA
FL-W03 @ 4'	8/10/2023	NA	NA	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00201	NA	NA
FL-N06 @ 7'	11/10/2023	NA	NA	NA	NA	NA	NA	NA	<0.002	NA	NA
FL-E06 @ 7'	11/10/2023	NA	NA	NA	NA	NA	NA	NA	<0.002	NA	NA

TABLE 2
REI H 9-32D, 33D, UPRC 9-12J5
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)⁽¹⁾		0.0026	0.69	0.78	9.9	500			0.0038	0.0081	0.0087
FL-S05 @ 10'	11/10/2023	NA	NA	NA	NA	NA	NA	NA	<0.002	NA	NA
FL-W05 @ 10'	11/10/2023	NA	NA	NA	NA	NA	NA	NA	<0.002	NA	NA
FL-W06 @ 10'	1/3/2024	NA	NA	NA	NA	NA	NA	NA	<0.002	NA	NA
FL-N07 @ 7'	1/3/2024	NA	NA	NA	NA	NA	NA	NA	<0.002	NA	NA
FL-N08 @ 7'	1/23/2024	NA	NA	NA	NA	NA	NA	NA	<0.002	NA	NA
FL-N09 @ 7'	1/23/2024	NA	NA	NA	NA	NA	NA	NA	<0.002	NA	NA
FL-W07 @ 10'	1/23/2024	NA	NA	NA	NA	NA	NA	NA	<0.002	NA	NA
FL-W08 @ 10'	1/23/2024	NA	NA	NA	NA	NA	NA	NA	<0.002	NA	NA
FL-B08 @ 12'	1/23/2024	NA	NA	NA	NA	NA	NA	NA	<0.002	NA	NA
FL-B09 @ 12'	1/23/2024	NA	NA	NA	NA	NA	NA	NA	<0.002	NA	NA
FL-E07 @ 7'	1/24/2024	NA	NA	NA	NA	NA	NA	NA	<0.002	NA	NA
FL-S06 @ 10'	1/24/2024	NA	NA	NA	NA	NA	NA	NA	<0.002	NA	NA
FL-B10 @ 14'	3/8/2024	NA	NA	NA	NA	NA	NA	NA	<0.002	NA	NA
FL-B11 @ 14'	3/8/2024	NA	NA	NA	NA	NA	NA	NA	<0.002	NA	NA
FL-N08 @ 12'	3/8/2024	NA	NA	NA	NA	NA	NA	NA	<0.002	NA	NA
FL-N09 @ 12'	3/8/2024	NA	NA	NA	NA	NA	NA	NA	<0.002	NA	NA
FL-E07 @ 12'	3/8/2024	NA	NA	NA	NA	NA	NA	NA	<0.002	NA	NA
FL-E08 @ 12'	3/8/2024	NA	NA	NA	NA	NA	NA	NA	<0.002	NA	NA
FL-S06 @ 12'	3/8/2024	NA	NA	NA	NA	NA	NA	NA	<0.002	NA	NA
FL-S07 @ 12'	3/8/2024	NA	NA	NA	NA	NA	NA	NA	<0.002	NA	NA
FL-W07 @ 12'	3/8/2024	NA	NA	NA	NA	NA	NA	NA	<0.002	NA	NA
FL-W08 @ 12'	3/8/2024	NA	NA	NA	NA	NA	NA	NA	<0.002	NA	NA
UPRC 9-12J5 Wellhead Soil Samples											
WH-B01 @ 6'	6/6/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00380	<0.00200	<0.00200
UPRC 9-12J5 Flowline Soil Samples											
FL-B01 @ 4'	6/6/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00380	<0.00200	<0.00200
FL-B05 @ 4'	6/7/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00380	<0.00200	<0.00200
FL-B06 @ 4'	6/7/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	193	109	<0.00380	<0.00200	<0.00200
FL-B07 @ 4'	6/7/2023	<0.00200	<0.00200	0.0718	0.139	<0.200	80.5	<100	<0.00380	<0.00200	<0.00200

Notes:

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

⁽²⁾ 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 laboratory reporting limit

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

NA = Not Analyzed



TABLE 3
REI H 9-32D, 33D, UPRC 9-12J5
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 (mg/kg) ⁽¹⁾</i>			6 - 8.3	<6	<4	2
<i>Site Specific Background Limits</i>			8.61			
REI H 9-32D Wellhead Soil Samples						
WH-B01 @ 6'	6/6/2023	6	8.44*	3.73	0.432	0.701
REI H 9-32D Flowline Soil Samples						
FL-B01 @ 4'	6/6/2023	4	8.17	1.21	0.352	0.199
FL-B06 @ 4'	6/7/2023	4	8.51*	0.115	0.238	0.121
FL-B07 @ 4'	6/7/2023	4	8.27	0.165	0.416	0.135
FL-B08 @ 4'	6/7/2023	4	8.33*	0.0409	0.164	<0.0988
FL-B08 @ 7'	8/10/2023	7	8.60*	NA	NA	NA
FL-N03 @ 4'	8/10/2023	4	8.38*	NA	NA	NA
FL-S03 @ 4'	8/10/2023	4	8.38*	NA	NA	NA
FL-E03 @ 4'	8/10/2023	4	8.49*	NA	NA	NA
FL-W03 @ 4'	8/10/2023	4	8.40*	NA	NA	NA
REI H 9-33D Wellhead Soil Samples						
WH-B01 @ 8'	8/22/2023	8	8.41*	1.49	0.342	0.0213
REI H 9-33D Flowline Soil Samples						
FL-B03 @ 4'	6/7/2023	4	8.36*	0.244	0.242	0.166
FL-B06 @ 4'	6/7/2023	4	8.30	0.103	0.259	0.115
FL-B07 @ 4'	6/7/2023	4	8.21	0.141	0.819	0.137
FL-B08 @ 4'	6/7/2023	4	8.08	0.0494	0.207	0.132
FL-B09 @ 4'	8/22/2023	4	8.40*	1.51	0.261	0.215
FL-B03 @ 8'	9/19/2023	8	8.69	NA	NA	NA
FL-N05 @ 4'	9/19/2023	4	8.49*	NA	NA	NA
FL-S05 @ 4'	9/19/2023	4	8.27	NA	NA	NA
FL-E05 @ 4'	9/19/2023	4	8.32*	NA	NA	NA
FL-W05 @ 4'	9/19/2023	4	8.32*	NA	NA	NA
REI H 9-33D & REI H 9-32D Combined Flowline Excavations						
FL-B06 @ 10'	9/19/2023	10	8.42*	NA	NA	NA
FL-N04 @ 7'	9/19/2023	7	8.32*	NA	NA	NA
FL-E04 @ 7'	9/19/2023	7	8.22	NA	NA	NA
FL-S04 @ 7'	9/19/2023	7	8.12	NA	NA	NA
FL-W04 @ 7'	9/19/2023	7	8.32*	NA	NA	NA
FL-B08 @ 7'	8/10/2023	7	8.60*	NA	NA	NA
FL-N03 @ 4'	8/10/2023	4	8.38*	NA	NA	NA
FL-S03 @ 4'	8/10/2023	4	8.38*	NA	NA	NA
FL-E03 @ 4'	8/10/2023	4	8.49*	NA	NA	NA
FL-W03 @ 4'	8/10/2023	4	8.40*	NA	NA	NA
FL-N06 @ 7'	11/10/2023	7	8.33*	NA	NA	NA
FL-E06 @ 7'	11/10/2023	7	8.24	NA	NA	NA

TABLE 3
REI H 9-32D, 33D, UPRC 9-12J5
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)
ECMC standards for soil (mg/kg) ⁽¹⁾			6 - 8.3	<6	<4	2
FL-S05 @ 10'	11/10/2023	10	8.35*	NA	NA	NA
FL-W05 @ 10'	11/10/2023	10	8.36*	NA	NA	NA
FL-W06 @ 10'	1/3/2024	10	8.50	NA	NA	NA
FL-N07 @ 7'	1/3/2024	7	8.51*	NA	NA	NA
FL-N08 @ 7'	1/23/2024	7	8.38*	NA	NA	NA
FL-N09 @ 7'	1/23/2024	7	8.35*	NA	NA	NA
FL-W07 @ 10'	1/23/2024	10	8.37*	NA	NA	NA
FL-W08 @ 10'	1/23/2024	10	8.37*	NA	NA	NA
FL-B08 @ 12'	1/23/2024	12	8.45*	NA	NA	NA
FL-B09 @ 12'	1/23/2024	12	8.47*	NA	NA	NA
FL-E07 @ 7'	1/24/2024	7	8.32*	NA	NA	NA
FL-S06 @ 10'	1/24/2024	10	8.30*	NA	NA	NA
FL-B10 @ 14'	3/8/2024	14	8.29	NA	NA	NA
FL-B11 @ 14'	3/8/2024	14	8.68	NA	NA	NA
FL-N08 @ 12'	3/8/2024	12	8.37*	NA	NA	NA
FL-N09 @ 12'	3/8/2024	12	8.42*	NA	NA	NA
FL-E07 @ 12'	3/8/2024	12	8.39*	NA	NA	NA
FL-E08 @ 12'	3/8/2024	12	8.45*	NA	NA	NA
FL-S06 @ 12'	3/8/2024	12	8.47*	NA	NA	NA
FL-S07 @ 12'	3/8/2024	12	8.35*	NA	NA	NA
FL-W07 @ 12'	3/8/2024	12	8.22	NA	NA	NA
FL-W08 @ 12'	3/8/2024	12	8.44*	NA	NA	NA
UPRC 9-12J5 Wellhead Soil Samples						
WH-B01 @ 6'	6/6/2023	6	8.36*	1.43	0.426	1.31
UPRC 9-12J5 Flowline Soil Samples						
FL-B01 @ 4'	6/6/2023	4	8.37*	0.668	0.433	0.668
FL-B05 @ 4'	6/7/2023	4	8.34*	0.132	0.221	0.144
FL-B06 @ 4'	6/7/2023	4	8.33*	0.0799	0.252	0.302
FL-B07 @ 4'	6/7/2023	4	8.30	0.291	0.254	0.139
Wellhead Background Soil Samples						
WH-BG01 @ 3'	6/6/2023	3	8.24	2.62	0.304	0.192
WH-BG01 @ 6'	6/6/2023	6	8.43	2.44	0.400	0.138
WH-BG02 @ 3'	6/6/2023	3	8.61	2.43	0.470	0.166
WH-BG02 @ 6'	6/6/2023	6	8.36	3.51	0.942	0.342
WH-BG03 @ 3'	6/6/2023	3	8.26	0.707	0.220	0.221
WH-BG03 @ 6'	6/6/2023	6	8.36	1.17	0.376	0.194
WH-BG04 @ 3'	6/6/2023	3	8.30	0.469	0.322	0.218
WH-BG04 @ 6'	6/6/2023	6	8.20	2.03	3.01	0.336
WH-BG01 @ 3' (REI H 9-33D)	8/22/2023	3	8.32	1.75	0.586	0.161

TABLE 3
REI H 9-32D, 33D, UPRC 9-12J5
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)
ECMC standards for soil (mg/kg) ⁽¹⁾			6 - 8.3	<6	<4	2
WH-BG01 @ 6' (REI H 9-33D)	8/22/2023	6	7.98	1.78	0.532	0.271
WH-BG02 @ 3' (REI H 9-33D)	8/22/2023	3	8.31	0.772	0.282	0.133
WH-BG02 @ 6' (REI H 9-33D)	8/22/2023	6	8.27	1.08	0.236	0.245
WH-BG03 @ 3' (REI H 9-33D)	8/22/2023	3	8.37	1.42	0.410	0.131
WH-BG03 @ 6' (REI H 9-33D)	8/22/2023	6	8.37	1.67	0.312	<0.0988
FL-BG01 @ 5'	8/10/2023	5	8.20	NA	NA	NA
FL-BG01 @ 7'	8/10/2023	7	8.33	NA	NA	NA
FL-BG02 @ 5'	8/10/2023	5	8.21	NA	NA	NA
FL-BG02 @ 7'	8/10/2023	7	8.12	NA	NA	NA
FL-BG03 @ 5'	8/10/2023	5	8.09	NA	NA	NA
FL-BG03 @ 7'	8/10/2023	7	8.23	NA	NA	NA
FL-BG05 @ 10'	1/3/2024	10	8.47	NA	NA	NA
FL-BG06 @ 8'	2/12/2024	8	8.26	NA	NA	NA
FL-BG06 @ 12'	2/12/2024	12	8.35	NA	NA	NA
FL-BG07 @ 8'	2/12/2024	8	8.24	NA	NA	NA
FL-BG07 @ 12'	2/12/2024	12	8.17	NA	NA	NA
FL-BG08 @ 8'	2/12/2024	8	8.34	NA	NA	NA
FL-BG08 @ 12'	2/12/2024	12	8.38	NA	NA	NA
FL-BG09 @ 8'	2/12/2024	8	8.18	NA	NA	NA
FL-BG09 @ 12'	2/12/2024	12	8.28	NA	NA	NA

Notes:

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

ECMC = Energy and 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

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
REI H 9-32D, 33D, UPRC 9-12J5
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)
<i>ECMC standards for soil (mg/kg)⁽¹⁾</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	1.3
<i>ECMC standards for soil (mg/kg)⁽²⁾</i>		18	24	360	1,800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	180
REI 9-32D Flowline Soil Samples															
FL-B06 @ 4'	6/7/2023	0.00191	0.00317	0.0157	0.0357	0.0504	0.0369	0.041	0.0217	0.0605	0.00736	0.157	0.0218	0.0197	0.116
FL-B07 @ 4'	6/7/2023	0.0129	0.0224	0.123	0.247	0.246	0.189	0.209	0.104	0.274	0.035	0.933	0.167	0.101	0.623
FL-B08 @ 4'	6/7/2023	0.00115	0.0028	0.00088	0.00204	0.00283	0.00249	0.00259	0.00123	0.00329	<0.00067	0.0091	0.00105	0.00125	0.00708
FL-B08 @ 7'	8/10/2023	<0.00201	<0.00201	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	NA	<0.00067	<0.00067	<0.00067	<0.00067
FL-N03 @ 4'	8/10/2023	<0.00201	<0.00201	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	NA	<0.00067	<0.00067	<0.00067	<0.00067
FL-S03 @ 4'	8/10/2023	<0.00201	<0.00201	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	NA	<0.00067	<0.00067	<0.00067	<0.00067
FL-E03 @ 4'	8/10/2023	<0.00201	<0.00201	<0.00067	<0.00067	<0.00067	<0.00067	0.001	<0.00067	0.000638	NA	0.000938	<0.00067	0.000887	0.000786
FL-W03 @ 4'	8/10/2023	<0.00201	<0.00201	<0.00067	<0.00067	<0.00067	0.000584	<0.00067	<0.00067	<0.00067	NA	0.00111	<0.00067	<0.00067	0.000941
REI 9-33D Flowline Soil Samples															
FL-B03 @ 4'	6/7/2023	0.00411	0.0048	0.0421	0.128	0.171	0.123	0.143	0.0624	0.192	0.031	0.467	0.076	0.075	0.336
FL-B06 @ 4'	6/7/2023	0.0124	0.0216	0.112	0.221	0.266	0.195	0.224	0.122	0.287	0.0418	0.958	0.165	0.107	0.6
FL-B07 @ 4'	6/7/2023	0.00624	0.0106	0.0572	0.112	0.111	0.0848	0.104	0.0482	0.128	0.0195	0.365	0.0761	0.06	0.271
FL-B08 @ 4'	6/7/2023	<0.00201	<0.00201	0.000903	0.00366	0.00849	0.00741	0.0095	0.00379	0.0109	0.00211	0.0221	0.00138	0.00511	0.0175
FL-B03 @ 8'	9/19/2023	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
FL-N05 @ 4'	9/19/2023	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
FL-S05 @ 4'	9/19/2023	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
FL-E05 @ 4'	9/19/2023	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
FL-W05 @ 4'	9/19/2023	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
REI H 9-33D & REI H 9-32D Combined Flowline Excavations															
FL-B06 @ 10'	9/19/2023	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
FL-N04 @ 7'	9/19/2023	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
FL-E04 @ 7'	9/19/2023	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
FL-S04 @ 7'	9/19/2023	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
FL-W04 @ 7'	9/19/2023	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
FL-B06 @ 12'	11/1/2023	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
FL-N05 @ 10'	11/1/2023	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
FL-E05 @ 10'	11/1/2023	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
FL-B08 @ 7'	8/10/2023	<0.00201	<0.00201	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	NA	<0.00067	<0.00067	<0.00067	<0.00067
FL-N03 @ 4'	8/10/2023	<0.00201	<0.00201	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	NA	<0.00067	<0.00067	<0.00067	<0.00067
FL-S03 @ 4'	8/10/2023	<0.00201	<0.00201	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	NA	<0.00067	<0.00067	<0.00067	<0.00067
FL-E03 @ 4'	8/10/2023	<0.00201	<0.00201	<0.00067	<0.00067	<0.00067	<0.00067	0.001	<0.00067	0.000638	NA	0.000938	<0.00067	0.000887	0.000786
FL-W03 @ 4'	8/10/2023	<0.00201	<0.00201	<0.00067	<0.00067	<0.00067	0.000584	<0.00067	<0.00067	<0.00067	NA	0.00111	<0.00067	<0.00067	0.000941
FL-W06 @ 10'	1/3/2024	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
FL-N07 @ 7'	1/3/2024	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
FL-N08 @ 7'	1/23/2024	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
FL-N09 @ 7'	1/23/2024	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
FL-W07 @ 10'	1/23/2024	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020

TABLE 4
REI H 9-32D, 33D, UPRC 9-12J5
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)⁽¹⁾		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
FL-W08 @ 10'	1/23/2024	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
FL-B08 @ 12'	1/23/2024	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
FL-B09 @ 12'	1/23/2024	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
FL-E07 @ 7'	1/24/2024	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
FL-S06 @ 10'	1/24/2024	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
FL-B10 @ 14'	3/8/2024	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
FL-B11 @ 14'	3/8/2024	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
FL-N08 @ 12'	3/8/2024	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
FL-N09 @ 12'	3/8/2024	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
FL-E07 @ 12'	3/8/2024	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
FL-E08 @ 12'	3/8/2024	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
FL-S06 @ 12'	3/8/2024	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
FL-S07 @ 12'	3/8/2024	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
FL-W07 @ 12'	3/8/2024	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
FL-W08 @ 12'	3/8/2024	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020

Notes:

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

⁽²⁾ 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

PAH = Polycyclic Aromatic Hydrocarbons

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

TABLE 5
REI H 9-32D, 33D, UPRC 9-12J5
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) ⁽¹⁾</i>		0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
<i>ECMC standards for soil (mg/kg) ⁽²⁾</i>		0.68	15,000	71	0.3	3,100	400	1,500	390	390	23,000
REI 9-32D Flowline Soil Samples											
FL-B06 @4'	6/7/2023	2.11*	77.4	0.102	<0.511	<8.65	<8.65	<8.65	0.0986	<0.0865	<86.5
FL-B07 @ 4'	6/7/2023	4.02*	124*	0.120	<0.52	<9.03	<9.03	9.34	<0.0903	<0.0903	<90.3
FL-B08 @ 4'	6/7/2023	2.54*	77.9	0.206	<0.5	<8.90	<8.90	<8.90	<0.0890	<0.0890	<89.0
FL-B08 @ 7'	8/10/2023	3.03*	89.5*	0.0873	NA	NA	NA	NA	NA	NA	NA
FL-N03 @ 4'	8/10/2023	1.45*	79.4	0.089	NA	NA	NA	NA	NA	NA	NA
FL-S03 @ 4'	8/10/2023	2.5*	79.3	0.101	NA	NA	NA	NA	NA	NA	NA
FL-E03 @ 4'	8/10/2023	3.39*	153*	0.171	NA	NA	NA	NA	NA	NA	NA
FL-W03 @ 4'	8/10/2023	1.74*	75.3	0.123	NA	NA	NA	NA	NA	NA	NA
REI 9-33D Flowline Soil Samples											
FL-B03 @4'	6/7/2023	3.43*	134*	0.119	<0.517	<9.14	13.5	<9.14	<0.0914	<0.0914	<91.4
FL-B06 @ 4'	6/7/2023	2.22*	97.2*	0.0935	<0.5	<8.66	<8.66	<8.66	<0.0866	<0.0866	<86.6
FL-B07 @ 4'	6/7/2023	5.01*	161*	0.166	<0.502	9.28	9.88	11.9	<0.0919	<0.0919	<91.9
FL-B08 @ 4'	6/7/2023	2.36*	74.8	0.110	<0.509	<9.48	<9.48	<9.48	0.119	<0.0948	<94.8
FL-B03@ 8'	9/19/2023	1.96*	76.1	0.105	NA	NA	<8.73	NA	NA	NA	NA
FL-N05 @ 4'	9/19/2023	3.13*	126*	0.138	NA	NA	13.2	NA	NA	NA	NA
FL-S05 @ 4'	9/19/2023	3.34*	124*	0.157	NA	NA	9.91	NA	NA	NA	NA
FL-E05 @ 4'	9/19/2023	3.79*	136*	0.177	NA	NA	9.39	NA	NA	NA	NA
FL-W05 @ 4'	9/19/2023	3.87*	140*	0.186	NA	NA	10.2	NA	NA	NA	NA
REI H 9-33D & REI H 9-32D Combined Flowline Excavations											
FL-B06 @ 10'	9/19/2023	6.17	208	0.203	NA	NA	NA	NA	0.172	NA	NA
FL-N04 @ 7'	9/19/2023	5.87*	311	0.192	NA	NA	NA	NA	0.155	NA	NA
FL-E04 @ 7'	9/19/2023	7.14	762	0.200	NA	NA	NA	NA	0.168	NA	NA
FL-S04 @ 7'	9/19/2023	5.26*	98.5*	0.162	NA	NA	NA	NA	0.125	NA	NA
FL-W04 @ 7'	9/19/2023	4.77*	168*	0.211	NA	NA	NA	NA	0.148	NA	NA
FL-B08 @ 7'	8/10/2023	3.03*	89.5*	0.0873	NA	NA	NA	NA	NA	NA	NA
FL-N03 @ 4'	8/10/2023	1.45*	79.4	0.089	NA	NA	NA	NA	NA	NA	NA
FL-S03 @ 4'	8/10/2023	2.5*	79.3	0.101	NA	NA	NA	NA	NA	NA	NA
FL-E03 @ 4'	8/10/2023	3.39*	153*	0.171	NA	NA	NA	NA	NA	NA	NA
FL-W03 @ 4'	8/10/2023	1.74*	75.3	0.123	NA	NA	NA	NA	NA	NA	NA
FL-W06 @ 10'	1/3/2024	5.14*	235	0.191	NA	NA	NA	NA	0.117	NA	NA
FL-N07 @ 7'	1/3/2024	4.73*	211	0.233	NA	NA	NA	NA	0.140	NA	NA
FL-N08 @ 7'	1/23/2024	4.17*	114*	0.153	NA	NA	NA	NA	<0.0879	NA	NA

TABLE 5
REI H 9-32D, 33D, UPRC 9-12J5
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) ⁽¹⁾</i>		0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
FL-N09 @ 7'	1/23/2024	4.69*	95.4*	<0.0995	NA	NA	NA	NA	<0.0995	NA	NA
FL-W07 @ 10'	1/23/2024	5.18*	223*	0.173	NA	NA	NA	NA	0.152	NA	NA
FL-W08 @ 10'	1/23/2024	3.06*	134*	<0.0926	NA	NA	NA	NA	<0.0926	NA	NA
FL-B08 @ 12'	1/23/2024	6.91*	647	0.170	NA	NA	NA	NA	0.0186	NA	NA
FL-B09 @ 12'	1/23/2024	7.52	93.9*	0.172	NA	NA	NA	NA	0.245	NA	NA
FL-E07 @ 7'	1/24/2024	2.81*	154*	0.136	NA	NA	NA	NA	<0.0874	NA	NA
FL-S06 @ 10'	1/24/2024	2.75*	254*	0.111	NA	NA	NA	NA	<0.0839	NA	NA
FL-B10 @ 14'	3/8/2024	6.15*	141*	0.161	NA	NA	NA	NA	<0.226	NA	NA
FL-B11 @ 14'	3/8/2024	25.4	40.9	<0.0978	NA	NA	NA	NA	<0.254	NA	NA
FL-N08 @ 12'	3/8/2024	4.18*	84.8*	0.137	NA	NA	NA	NA	<0.220	NA	NA
FL-N09 @ 12'	3/8/2024	3.96*	118*	0.167	NA	NA	NA	NA	<0.220	NA	NA
FL-E07 @ 12'	3/8/2024	7.53	200*	0.177	NA	NA	NA	NA	0.239	NA	NA
FL-E08 @ 12'	3/8/2024	6.15*	217*	0.182	NA	NA	NA	NA	<0.217	NA	NA
FL-S06 @ 12'	3/8/2024	5.91*	177*	0.160	NA	NA	NA	NA	<0.237	NA	NA
FL-S07 @ 12'	3/8/2024	5.28*	147*	0.164	NA	NA	NA	NA	<0.248	NA	NA
FL-W07 @ 12'	3/8/2024	4.19*	121*	0.157	NA	NA	NA	NA	<0.218	NA	NA
FL-W08 @ 12'	3/8/2024	6.89*	122*	0.106	NA	NA	NA	NA	<0.252	NA	NA

TABLE 5
REI H 9-32D, 33D, UPRC 9-12J5
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) ⁽¹⁾</i>		0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
Flowline Background Soil Samples											
FL-BG01 @ 5'	8/10/2023	2.7	113	0.167	NA	6.89	5610	9.83	0.411	NA	NA
FL-BG01 @ 7'	8/10/2023	2.49	114	0.144	NA	8.05	6.29	9.83	0.435	NA	NA
FL-BG02 @ 5'	8/10/2023	2.98	110	0.134	NA	8.2	6.46	10.3	0.464	NA	NA
FL-BG02 @ 7'	8/10/2023	3.91	104	0.172	NA	11.2	9.01	12.1	0.687	NA	NA
FL-BG03 @ 5'	8/10/2023	2.55	87.6	0.106	NA	6.3	5.38	8.18	0.405	NA	NA
FL-BG03 @ 7'	8/10/2023	3.47	101	0.139	NA	11	8.2	13.8	0.657	NA	NA
FL-BG05 @ 10'	1/3/2024	5.86	149	0.196	NA	NA	NA	NA	0.170	NA	NA
FL-BG06 @ 8'	2/12/2024	3.90	94.3	NA	NA	NA	NA	NA	NA	NA	NA
FL-BG06 @ 12'	2/12/2024	5.17	117	NA	NA	NA	NA	NA	NA	NA	NA
FL-BG07 @ 8'	2/12/2024	4.66	260	NA	NA	NA	NA	NA	NA	NA	NA
FL-BG07 @ 12'	2/12/2024	4.91	121	NA	NA	NA	NA	NA	NA	NA	NA
FL-BG08 @ 8'	2/12/2024	5.25	154	NA	NA	NA	NA	NA	NA	NA	NA
FL-BG08 @ 12'	2/12/2024	5.02	210	NA	NA	NA	NA	NA	NA	NA	NA
FL-BG09 @ 8'	2/12/2024	5.04	254	NA	NA	NA	NA	NA	NA	NA	NA
FL-BG09 @ 12'	2/12/2024	4.79	156	NA	NA	NA	NA	NA	NA	NA	NA
Wellhead Background Soil Samples											
WH-BG01 @ 3'	6/6/2023	3.41	146	0.120	<0.501	<9.36	<9.36	<9.36	0.124	<0.0936	<93.6
WH-BG01 @ 6'	6/6/2023	4.08	153	0.164	<0.5	<9.02	<9.02	10.2	0.105	<0.0902	<90.2
WH-BG02 @ 3'	6/6/2023	4.40	165	0.163	<0.5	<9.20	<9.20	11.5	0.112	<0.0920	<92.0
WH-BG02 @ 6'	6/6/2023	3.97	99.0	0.115	<0.515	<8.81	<8.81	9.39	<0.0881	<0.0881	<88.1
WH-BG03 @ 3'	6/6/2023	4.28	107	0.123	<0.5	<9.57	<9.57	11.1	<0.0957	<0.0957	<95.7
WH-BG03 @ 6'	6/6/2023	3.07	79.2	0.104	<0.514	<8.95	<8.95	<8.95	<0.0895	<0.0895	<89.5
WH-BG04 @ 3'	6/6/2023	3.42	92.3	0.118	<0.5	<9.26	<9.26	<9.26	0.102	<0.0926	<92.6
WH-BG04 @ 6'	6/6/2023	4.87	128	0.206	<0.5	10.9	<9.17	11.7	0.259	<0.0917	<91.7

Notes:

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

⁽²⁾ 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 report

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 background limits.

NA = Not Analyzed

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



TABLE 6
REI H 9-32D
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'	6/9/2023	1000	0.0	0.1	0	20.3	0	N
SVP-02 @ 8'	6/9/2023	1002	0.0	0.2	0	20.1	0	N
SVP-03 @ 5'	Not tested - run over by excavator							
SVP-04 @ 5'	6/9/2023	1004	0.0	0.8	0	18.1	0	N
SVP-05 @ 5'	6/9/2023	1006	0.0	0.4	0	19.2	0	N

% = percentage

ppm = parts per million

TABLE 7
UPRC 9-12J5
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'	6/9/2023	1015	0.0	0.1	0	19.7	0	N	
SVP-02 @ 8'	6/9/2023	1017	0.0	0.2	0	19.5	0	N	
SVP-03 @ 5'	6/9/2023	1019	0.0	1.4	0	17.2	0	N	
SVP-04 @ 5'	6/9/2023	Not tested - run over by excavator							
SVP-05 @ 5'	6/9/2023	1021	0.0	1.7	0	16.7	0	N	

% = percentage

ppm = parts per million

TABLE 8
REI H 9-33D
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 @ 10'	8/24/23	1200	0.0	0.5	0	17.9	0	N
SVP-02 @ 10'	8/24/23	1202	0.0	0.1	0	18.7	0	N
SVP-03 @ 5'	8/24/23	1204	0.0	1.7	0	16.7	0	N
SVP-04 @ 5'	8/24/23	1206	0.0	1.6	0	14.2	1	N
SVP-05 @ 5'	8/24/23	1208	0.0	1.1	0	18.8	0	N

% = percentage

ppm = parts per million

