

TABLE 1-1
SOIL SAMPLE ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS AND TOTAL PETROLEUM HYDROCARBONS
HUNTER, HUNTER 9-32 O SA FACILITY
WELD COUNTY, COLORADO
KERR-MCGEE OIL AND GAS ONSHORE, LP

Soil Sample ID	Date	Depth (ft. bgs)	TPH-GRO* (mg/kg)	TPH-DRO* (mg/kg)	TPH-RRO* (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	1,2,4- Trimethyl benzene (mg/kg)	1,3,5- Trimethyl benzene (mg/kg)	Naphthalene (mg/kg)
Groundwater Protection Values (GPV)			500	500	500	0.0026	0.69	0.78	9.9	0.0081	0.0087	0.0038
SOIL BORING SAMPLES												
SB04@5.5'	6/5/2024	5.5	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
SB05@5.5'	6/5/2024	5.5	<0.200	<25.0	<100	<0.00200	0.00338	<0.00200	<0.00200	<0.00200	<0.00200	0.006
SB06@5.5'	6/6/2024	5.5	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
SB07@5.5'	6/5/2024	5.5	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
SB08@5.5'	6/5/2024	5.5	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
SB09@5.5'	6/6/2024	5.5	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
SB10@5'	6/6/2024	5	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
SB11@4.5'	6/6/2024	4.5	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201

Notes:

TPH - total petroleum hydrocarbons

GRO - gasoline range organics

DRO - diesel range organics

RRO - residual range organics

*Allowable level for TPH is 500 mg/kg for combined GRO, DRO, ORO

ft - feet

bgs - below ground surface

mg/kg - milligrams per kilogram

< - less than laboratory reporting limit

NA - Not Analyzed/Not Applicable

Bold - exceeds ECMC Table 915-1 allowable level and background

TABLE 1-2
SOIL SAMPLE ANALYTICAL RESULTS
POLYCYCLIC AROMATIC HYDROCARBONS
HUNTER, HUNTER 9-32 O SA FACILITY
WELD COUNTY, COLORADO
KERR-MCGEE OIL AND GAS ONSHORE, LP

Soil Sample ID	Date	Depth (ft. bgs)	Acenaphthene (mg/Kg)	Anthracene (mg/Kg)	Benzo (a) anthracene (mg/Kg)	Benzo (b) fluoranthene (mg/Kg)	Benzo (k) fluoranthene (mg/Kg)	Benzo (a) pyrene (mg/Kg)	Chrysene (mg/Kg)	Dibenz (a,h) anthracene (mg/Kg)	Fluoranthene (mg/Kg)	Fluorene (mg/Kg)	Indeno (1,2,3-cd) pyrene (mg/Kg)	1-Methyl naphthalene (mg/Kg)	2-Methyl naphthalene (mg/Kg)	Pyrene (mg/Kg)
Groundwater Protection Values (GPV)			0.55	5.8	0.011	0.3	2.9	0.24	9	0.096	8.9	0.54	0.98	0.006	0.019	1.3
SOIL BORING SAMPLES																
SB04@5.5'	6/5/2024	5.5	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.020
SB05@5.5'	6/5/2024	5.5	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.003	0.005	<0.020
SB06@5.5'	6/6/2024	5.5	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.020
SB07@5.5'	6/5/2024	5.5	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.020
SB08@5.5'	6/5/2024	5.5	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.020
SB09@5.5'	6/6/2024	5.5	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.020
SB10@5'	6/6/2024	5	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.020
SB11@4.5'	6/6/2024	4.5	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.020

Notes:

ft - feet

bgs - below ground surface

mg/kg - milligrams per kilogram

< - less than laboratory reporting limit

NA - Not Analyzed/Not Applicable

Bold - exceeds ECMC Table 915-1 allowable level and background

TABLE 1-3
SOIL SAMPLE ANALYTICAL RESULTS
SOIL SUITABILITY FOR RECLAMATION
HUNTER, HUNTER 9-32 O SA FACILITY
WELD COUNTY, COLORADO
KERR-MCGEE OIL AND GAS ONSHORE, LP

Soil Sample ID	Date	Depth (ft. bgs)	EC (mmhos/cm)	SAR	pH	Boron (mg/L)
Groundwater Protection Values (GPV)			4	6	6-8.3	2
Site-Specific Background Limits (Native)			1.59	2.7	8.29	1.58
SOIL BORING SAMPLES						
SB04@5.5'	6/5/2024	5.5	0.353	0.86	8.52	0.268
SB05@5.5'	6/5/2024	5.5	0.683	1.34	8.45	0.294
SB06@5.5'	6/6/2024	5.5	0.474	1.34	8.51	0.154
SB07@5.5'	6/5/2024	5.5	0.398	1.32	8.57	0.181
SB08@5.5'	6/5/2024	5.5	0.990	1.91	8.42	0.32
SB09@5.5'	6/6/2024	5.5	0.662	1.10	8.55	0.446
SB10@5'	6/6/2024	5	0.882	1.42	8.54	0.204
SB11@4.5'	6/6/2024	4.5	0.879	1.28	8.50	0.431
BACKGROUND SAMPLES						
Native-BG01@2.5'	04/11/2022	2.5	1.59	2.70	8.05	1.58
Native-BG01@5'	04/11/2022	5	1.05	2.00	8.29	0.602
Native-BG02@2.5'	04/11/2022	2.5	1.06	1.56	8.21	0.801
Native-BG02@5'	04/11/2022	5	1.3	1.65	8.11	0.884
TB-BG01@6"	04/11/2022	0.5	0.17	0.739	8.34	0.0997

Notes:

EC - electrical conductivity

SAR - sodium adsorption ratio

< - less than laboratory reporting limit

NA - Not Analyzed/Not Applicable

Bold - exceeds ECOM Table 915-1 allowable level and background

*Exceeds Table 915-1 allowable level but within background

If site-specific backgrounds are less than cleanup concentrations, then cleanup concentration values will be applied.

ft - feet

bgs - below ground surface

mmhos/cm - millimhos per centimeter

mg/L - milligrams per liter

TABLE 1-4
SOIL SAMPLE ANALYTICAL RESULTS
METALS
HUNTER, HUNTER 9-32 O SA FACILITY
WELD COUNTY, COLORADO
KERR-MCGEE OIL AND GAS ONSHORE, LP

Soil Sample ID	Date	Depth (ft. bgs)	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)
Groundwater Protection Value (GPV)			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
Site-Specific Background Limits (Native)			2.23	130	0.147	NA	10.5	6	11	0.522	0.0415	44.1
SOIL BORING SAMPLES												
SB04@5.5'	6/5/2024	5.5	4.18	93.1*	0.106	<0.123	14	7.51	15.4	0.371*	<0.0953	44.3
SB05@5.5'	6/5/2024	5.5	3.66	81.8	0.115	0.145	<8.92	5.13	9.09	<0.232	<0.0892	<33.0
SB06@5.5'	6/6/2024	5.5	2.01*	47.5	<0.0949	<0.130	<9.49	4.93	8.35	<0.247	<0.0949	<35.1
SB07@5.5'	6/5/2024	5.5	3.39	78.1	0.109	<0.121	<8.68	4.84	9.42	<0.226	<0.0868	<32.1
SB08@5.5'	6/5/2024	5.5	3.13	60.3	<0.0917	<0.111	9.25	5.4	13.2	0.242	<0.0917	36.5
SB09@5.5'	6/6/2024	5.5	2.33	170	0.282	<0.132	19.5	10.5	20.4	0.5*	0.124	71.4
SB10@5'	6/6/2024	5	1.65*	94.7*	0.0913	<0.120	9.83	5.24	11	1.03	0.0896	33.9
SB11@4.5'	6/6/2024	4.5	2.09*	36.0	<0.0930	<0.5	<9.30	<9.30	<9.30	<0.0930	<0.0930	<93.0
BACKGROUND SAMPLES												
Native-BG01@2.5'	04/20/2022	2.5	2.21	85.1	0.146	<0.505	10.5	6	11	0.522	0.0415	44.1
Native-BG01@5'	04/20/2022	5	1.53	58.6	0.0665	<0.5	6.16	4.17	7.93	0.44	0.0296	28.2
Native-BG02@2.5'	04/20/2022	2.5	1.7	77.1	0.124	<0.5	8.2	5.09	10.5	0.377	0.0214	32.3
Native-BG02@5'	04/20/2022	5	2.23	130	0.147	<0.517	8.89	5.92	10.3	0.41	0.0317	34.9
TB-BG01@6"	04/20/2022	0.5	2	44.5	0.0741	<0.5	6.43	4.71	6.65	0.381	0.0148	424

Notes:

ft - feet

bgs - below ground surface

mg/kg - milligrams per kilogram

< - less than laboratory reporting limit

NA - Not Analyzed/Not Applicable

Bold - exceeds ECMC Table 915-1 allowable level and background

*Exceeds Table 915-1 allowable level but within background

If site-specific backgrounds are less than cleanup concentrations, then cleanup concentration values will be applied.