

TABLE 1
SOIL SAMPLE FIELD DATA SUMMARY TABLE
REISBECK 9-18, WATADA FACILITY
WELD COUNTY, COLORADO
KERR-MCGEE OIL AND GAS ONSHORE, LP

Soil Sample Location	Date	Depth (ft. bgs)	PID Reading (ppm)	Visual Observation	Olfactory Observation	Latitude	Longitude	Submitted for Lab Analysis? (Y/N)
ABOVEGROUND STORAGE TANK SAMPLES								
HATCH	9/4/2024	0.5	2.0	NS	NO	40.047466	-104.813939	N
FOOTPRINT	9/4/2024	0.5	1.6	NS	NO	40.047445	-104.813939	N
AST01 @0.5'	9/4/2024	0.5	2.1	NS	NO	40.047427	-104.813938	Y
AST01 @0.5'-V	9/4/2024	0.5	2.1	NS	NO	40.047427	-104.813938	Y
B01 @1'	10/22/2024	1	0.6	NS	NO	40.047445	-104.813935	Y
BACKGROUND SOIL SAMPLES								
TB-BG01 @0.5'	9/4/2024	0.5	2.8	NS	NO	40.047489	-104.814127	Y

Notes:

ft. - feet

bgs - below ground surface

PID - Photoionization detector

ppm - parts per million

NS - No Staining

NO - No Odor

NA - Not Analyzed/Not Applicable

TABLE 2-1
SOIL SAMPLE ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS AND TOTAL PETROLEUM HYDROCARBONS
REISBECK 9-18, WATADA 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)
ECMC Table 915-1 Cleanup Concentrations (PGSSLs)			500			0.0026	0.69	0.78	9.9	0.0081	0.0087	0.0038
ABOVEGROUND STORAGE TANK SAMPLES												
AST01 @0.5'	9/4/2024	0.5	<0.200	25.7	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.002
AST01 @0.5'-V	9/4/2024	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B01 @1'	10/22/2024	1	<0.200	<25.0	<100	NA	NA	NA	NA	NA	NA	<0.002

Notes:

ECMC - Energy and Carbon Management Commission
PGSSLs - Protection of Groundwater Soil Screening Level Concentrations
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 2-2
SOIL SAMPLE ANALYTICAL RESULTS
POLYCYCLIC AROMATIC HYDROCARBONS
REISBECK 9-18, WATADA 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)
ECMC Table 915-1 Cleanup Concentrations (PGSSLs)			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
ABOVEGROUND STORAGE TANK SAMPLES																
AST01@0.5'	9/4/2024	0.5	<0.020	<0.020	0.006	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.020
AST01@0.5'-V	9/4/2024	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B01@1'	10/22/2024	1	<0.020	<0.020	0.007	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.020

Notes:
ECMC - Energy and Carbon Management Commission
PGSSLs - Protection of Groundwater Soil Screening Level Concentrations
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 2-3
SOIL SAMPLE ANALYTICAL RESULTS
SOIL SUITABILITY FOR RECLAMATION
REISBECK 9-18, WATADA 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)
ECMC Table 915-1 Cleanup Concentrations			4	6	6-8.3	2
Site-Specific Background Limits (TB)			0.134	0.167	7.61	NA
ABOVEGROUND STORAGE TANK SAMPLES						
AST01@0.5'	9/4/2024	0.5	0.209	0.148	6.72	<0.0992
AST01@0.5'-V	9/4/2024	0.5	NA	NA	5.59	NA
B01@1'	10/22/2024	1	NA	NA	NA	NA
BACKGROUND SAMPLES						
TB-BG01@0.5'	9/4/2024	0.5	0.134	0.167	7.61	<0.0993

Notes:

ECMC - Energy and Carbon Management Commission

EC - electrical conductivity

SAR - sodium adsorption ratio

< - 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.

ft - feet

bgs - below ground surface

mmhos/cm - millimhos per centimeter

mg/L - milligrams per liter

TABLE 2-4
SOIL SAMPLE ANALYTICAL RESULTS
METALS
REISBECK 9-18, WATADA 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)
ECMC Table 915-1 Cleanup Concentrations (PGSSLs)			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
Site-Specific Background Limits^ (TB)			5.18	106	0.164	NA	19.8	10.2	8.69	NA	NA	NA
ABOVEGROUND STORAGE TANK SAMPLES												
AST01 @0.5'	9/4/2024	0.5	3.10*	90.2*	0.357	<0.222	16.2	16.2	6.92	<0.250	0.467	65.2
AST01 @0.5'-V	9/4/2024	0.5	NA	NA	NA	NA	NA	15.6	NA	NA	NA	NA
B01 @1'	10/22/2024	1	3.03*	69.1	0.471	NA	16.0	21.5	6.41	NA	0.339	NA
BACKGROUND SAMPLES												
TB-BG01 @0.5'	9/4/2024	0.5	4.14	84.6	0.131	<0.344	15.8	8.15	6.95	<0.246	<0.0946	<35.0

Notes:
ECMC - Energy and Carbon Management Commission
PGSSLs - Protection of Groundwater Soil Screening Level Concentrations
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 analytical variability of background
^ - site-specific background is shown as 1.25x maximum background to account for analytical variability
If site-specific backgrounds are less than cleanup concentrations, then cleanup concentration values will be applied.