

TABLES

TABLE 1
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA
PDC ENERGY INC.
PHELPS 11-32CHZ, ADAMS COUNTY, COLORADO
FREMONT PROJECT NO. C022-125

Sample ID	Sample Date	Depth (ft)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-Benzene (mg/kg)	Xylenes (mg/kg)	1,2,4- Trimethyl- Benzene (mg/kg)	1,3,5- Trimethyl- Benzene (mg/kg)	Naphthalene (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)
COGCC Table 915-1 Limits (Residential SSL)			1.2	490	5.8	58	30	27	2	500		
COGCC Table 915-1 Limits (Protection of Groundwater SSL)			0.0026	0.69	0.78	9.9	0.0081	0.0087	0.0038	500		
SS-01	9/22/2022	0.5	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
SS-02	9/22/2022	0.5	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
SS-03	9/22/2022	0.5	0.23	0.15	0.0075	0.07	<0.0050	<0.0050	<0.0038	1.6	<50	<50
SS-04	9/22/2022	0.5	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
SS-05	9/22/2022	0.5	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	1.6	<50	<50
SS-06	9/22/2022	0.5	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
SS-07	9/22/2022	0.5	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
SS-08	9/26/2022	0.5	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
Waste Char	9/22/2022	0.5	25	97	35	200	82	26	7.3	6500	13000	1200
BG-1	9/22/2022	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Bold faced values exceed the COGCC Table 915-1 concentrations

Red & blue highlighted 915-1 Limits indicate the referenced soil screening level (SSL)

* Summation of GRO+DRO+ORO must be less than 500 mg/kg

TABLE 2
SUMMARY OF POLYCYCLIC AROMATIC HYDROCARBON SOIL CHEMISTRY DATA
PDC ENERGY INC.
PHELPS 11-32CHZ, ADAMS COUNTY, COLORADO
FREMONT PROJECT NO. C022-125

Sample ID	Sample Date	Depth (ft)	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)	Pyrene (mg/kg)	1-Methyl - Naphthalene (mg/kg)	2-Methyl- Naphthalene (mg/kg)
COGCC Table 915-1 Limits (Residential SSL)			360	1800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	180	18	24
COGCC Table 915-1 Limits (Protection of Groundwater SSL)			0.55	5.8	0.011	0.24	0.3	2.9	9	0.096	8.9	0.54	0.98	1.3	0.006	0.019
SS-01	9/22/2022	0.5	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.018	0.0267
SS-02	9/22/2022	0.5	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SS-03	9/22/2022	0.5	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SS-04	9/22/2022	0.5	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SS-05	9/22/2022	0.5	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00533	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0486	0.0747
SS-06	9/22/2022	0.5	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SS-07	9/22/2022	0.5	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SS-08	9/26/2022	0.5	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
Waste Char	9/22/2022	0.5	<0.00500	<0.00500	<0.00500	0.365	<0.00500	<0.00500	1.04	<0.00500	<0.00500	<0.00500	<0.00500	0.493	40.9	65.2

Bold faced values exceed the COGCC Table 915-1 concentrations
Red & blue highlighted 915-1 Limits indicate the referenced soil screening level (SSL)

TABLE 3
SUMMARY OF SOIL SUITIBILITY FOR RECLAMATION
PDC ENERGY INC.
PHELPS 11-32CHZ, ADAMS COUNTY, COLORADO
FREMONT PROJECT NO. C022-125

Sample ID	Sample Date	Depth (ft)	EC (mmhos/cm)	pH	SAR	Boron (mg/L)
COGCC Table 915-1 Soil Suitability Limits			<4	6 - 8.3	<6	2
SS-01	9/22/2022	0.5	6.89	NA	10.1	NA
SS-02	9/22/2022	0.5	3.55	NA	9.90	NA
SS-03	9/22/2022	0.5	34.9	NA	49.2	NA
SS-04	9/22/2022	0.5	17.4	NA	26.8	NA
SS-05	9/22/2022	0.5	20.4	NA	47.3	NA
SS-06	9/22/2022	0.5	14.7	NA	24.7	NA
SS-07	9/22/2022	0.5	7.21	NA	19.9	NA
SS-08	9/26/2022	0.5	9.08	NA	16.1	NA
BG-1	9/22/2022	0.5	0.204	8.01	0.193	0.107
Waste Char	9/22/2022	0.5	20.7	8.12	40.2	1.85

Bold faced values exceed the COGCC Table 915-1 concentrations

Yellow highlighted 915-1 Limits indicate the referenced soil screening level (SSL)

TABLE 4
SUMMARY OF METALS IN SOIL CHEMISTRY DATA
PDC ENERGY INC.
PHELPS 11-32CHZ, ADAMS COUNTY, COLORADO
FREMONT PROJECT NO. C022-125

Sample ID	Sample Date	Depth (ft)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)	Chromium (VI) (mg/kg)
COGCC Table 915-1 Limits (Residential SSL)			0.68	15000	71	3100	400	1500	390	390	23000	0.3
COGCC Table 915-1 Limits (Protection of Groundwater SSL)			0.29	82	0.38	46	14	26	0.26	0.8	370	0.00067
BG-1	9/22/2022	0.5	0.386	20.5	<0.222	3.07	8.39	1.8	6.39	<0.0222	14.4	<0.30
Waste Char	9/22/2022	0.5	0.626	38	<0.222	2.71	1.07	1.91	0.331	<0.0222	9.34	<0.30

Bold faced values exceed the COGCC Table 915-1 concentrations

Red & blue highlighted 915-1 Limits indicate the referenced soil screening level (SSL)

NA - Not analyzed