

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Harvest Four Corners, LLC - Ignacio Gas Plant
La Plata County, Colorado

Analyte	Units	ECMC Table 915-1 RSSL	ECMC Table 915-1 PGWSSL	Background	Bottom (8' bgs)	Side Wall 1	Side Wall 2	Side Wall 3	Side Wall 4
			Sample Date	5/7/2024	5/7/2024	5/7/2024	5/7/2024	5/7/2024	5/7/2024
Method: SW846 8015D Total Petroleum Hydrocarbons									
Gasoline Range Organics	mg/kg	NE	NE	<5.0	60	<25	15	<23	6.3
Diesel Range Organics	mg/kg	NE	NE	<9.3	65	870	1,500	2,000	930
Motor Oil Range Organics	mg/kg	NE	NE	<46	<45	<44	<480 D	<500 D	<47
Total Petroleum Hydrocarbons	mg/kg	500	500	<46	125	870	1,515	2,000	936
Method: SW846 8260B Volatile Organic Compounds									
Benzene	mg/kg	1.20	0.0026	<0.025	<0.12	<0.049	<0.048	<0.12	<0.025
Toluene	mg/kg	490	0.69	<0.050	<0.25	<0.099	<0.097	<0.23	<0.050
Ethylbenzene	mg/kg	5.8	0.78	<0.050	<0.25	<0.099	<0.097	<0.23	<0.050
Xylenes	mg/kg	58	9.9	<0.099	<0.50	<0.20	<0.19	<0.47	<0.10
Naphthalene	mg/kg	2	0.0038	<0.099	<0.50	<0.20	<0.19	<0.47	<0.10
1,2,4-Trimethylbenzene	mg/kg	30	0.0081	<0.050	<0.25	<0.099	<0.097	<0.23	<0.050
1,3,5-Trimethylbenzene	mg/kg	27	0.0087	<0.050	<0.25	<0.099	<0.097	<0.23	<0.050
Method: SW846 8270C Semivolatile Organic Compounds									
1-Methylnaphthalene	mg/kg	18	0.006	<5.0 D	<12 D	<2.5 D	4.6 D	<4.8 D	<4.6 D
2-Methylnaphthalene	mg/kg	24	0.019	<5.0 D	<12 D	<2.5 D	5.7 D	<4.8 D	<4.6 D
Acenaphthene	mg/kg	360	0.55	<4.0 D	<10 D	<2.0 D	<2.0 D	<3.9 D	<3.7 D
Anthracene	mg/kg	1,800	5.8	<4.0 D	<10 D	<2.0 D	<2.0 D	<3.9 D	<3.7 D
Benz(a)anthracene	mg/kg	1.1	0.011	<5.0 D	<12 D	<2.5 D	<2.5 D	<4.8 D	<4.6 D
Benzo(b)fluoranthene	mg/kg	1.1	0.3	<5.0 D	<12 D	<2.5 D	<2.5 D	<4.8 D	<4.6 D
Benzo(k)fluoranthene	mg/kg	11	2.9	<6.0	<15 D	<3.0 D	<3.0 D	<5.8 D	<5.6 D
Benzo(a)pyrene	mg/kg	0.11	0.24	<5.0 D	<12 D	<2.5 D	<2.5 D	<4.8 D	<4.6 D
Chrysene	mg/kg	110	9	<5.0 D	<12 D	<2.5 D	<2.5 D	<4.8 D	<4.6 D
Dibenzo(a,h)anthracene	mg/kg	0.11	0.096	<5.0 D	<12 D	<2.5 D	<2.5 D	<4.8 D	<4.6 D
Fluoranthene	mg/kg	240	8.9	<5.0 D	<12 D	<2.5 D	<2.5 D	<4.8 D	<4.6 D
Fluorene	mg/kg	240	0.54	<5.0 D	<12 D	<2.5 D	<2.5 D	<4.8 D	<4.6 D
Indeno(1,2,3-cd)pyrene	mg/kg	1.1	0.98	<5.0 D	<12 D	<2.5 D	<2.5 D	<4.8 D	<4.6 D
Naphthalene	mg/kg	2	0.0038	<5.0 D	<12 D	<2.5 D	<2.5 D	<4.8 D	<4.6 D
Pyrene	mg/kg	180	1.3	<5.0 D	<12 D	<2.5 D	<2.5 D	<4.8 D	<4.6 D

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Method: SW846 6010D Metals									
Arsenic	mg/kg	0.68	0.29	3.7	3.1	3.4	3.4	5.9	3.4
Barium	mg/kg	15,000	82	130	250	210	180	210	230
Cadmium	mg/kg	71	0.38	<0.095	<0.97	<0.97	<0.99	<0.97	<0.97
Chromium (VI)	mg/kg	0.3	0.00067	<2.00 J J3 J6 O1	<2.00	<2.00	<2.00	<2.00	<2.00
Copper	mg/kg	3,100	46	13	8.4	11	11	12	12
Lead	mg/kg	400	14	17	9.3	10	10	38	11
Nickel	mg/kg	1,500	26	7.6	11	12	13	13	14
Selenium	mg/kg	390	0.26	2.0	2.0	2.2	2.1	1.6	2.4
Silver	mg/kg	390	0.8	<0.95	<0.97	<0.97	<0.99	<0.97	<0.97
Zinc	mg/kg	23,000	370	40	36	44	49	51	47
Soil Suitability for Reclamation Parameters									
Electrical Conductivity	µmhos/cm	4,000	4,000	--	--	--	--	--	--
Sodium Adsorption Ratio	--	6	6	<0.010	16	11	7.8	20	29
pH	--	6 - 8.3	--	6.7	8.6	8.2	6.5	8.4	8.5
Boron	mg/L	2	2	0.241	0.325	0.397	0.295	1.130	0.411

Notes:

BOLD: indicates value exceeds the applicable standard

Indicates Value Exceeds Standard, but is within range of background concentrations

bgs: below ground surface

ECMC: Colorado Energy & Carbon Management Commission

mg/kg: milligrams per kilogram

mg/L: milligrams per liter

NE: Not Established

PGWSSL: Protection of Groundwater Soil Screening Level

RSSL: Residential Soil Screening Level

µmhos/cm: microohms/centimeter

--: Not Analyzed

<: indicates result less than the stated laboratory reporting limit (RL)

Laboratory Flags:

J: The identification of the analyte is acceptable; the reported value is an estimate

J3: The associated batch QC was outside the established quality control range for precision

J6: The sample matrix interfered with the ability to make any accurate determination; spike value is low

O1: The analyte failed the method required serial dilution test and/or subsequent post-spike criteria/ These failures indicate matrix interference

D: Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D