

TABLE 1
Confirmation Soil Sample Analytical Results
Dawson A1. Kiowa County, Colorado

Analyte	COGCC Table 915-1 GWSSL	COGCC Table 915-1 RSSL	SS1-2	SS2-2	SS3-1	SS4-1	SS5-1	SS6-1	SS7-1	SS8-1	SS9-4	BG1-1	BG2-1	Units
Sample Information														
Sample Date	-	-	4/21/2022	4/21/2022	4/21/2022	4/21/2022	4/21/2022	4/21/2022	4/21/2022	4/21/2022	4/21/2022	4/21/2022	4/21/2022	mm/dd/yyyy
Sample Depth	-	-	2	2	1	1	1	1	1	1	4	1	1	feet
Field Screening	-	-	1	1.2	1.3	3.2	1.5	2.7	0.3	2.6	1.4	-	-	ppm
TPH in Soils														
gasoline range organics	500	500	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-	-	mg/kg
diesel range organics	500	500	<50	<50	<50	<50	60	<50	<50	<50	110	-	-	mg/kg
residual range organics	500	500	<50	<50	<50	<50	<50	<50	<50	<50	<50	-	-	mg/kg
total petroleum	500	500	<100	<100	<100	<100	60	<100	<100	<100	110	-	-	mg/kg
Organic Compounds in Soils														
benzene	0.0026	1.2	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	-	-	mg/kg
toluene	0.69	490	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	-	-	mg/kg
ethylbenzene	0.78	5.8	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	-	-	mg/kg
total xylenes	9.9	58	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	-	-	mg/kg
1,2,4-trimethylbenzene	0.0081	30	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	-	-	mg/kg
1,3,5-trimethylbenzene	0.0087	27	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	-	-	mg/kg
acenaphthene	0.55	360	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	-	-	mg/kg
anthracene	5.8	1,800	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	-	-	mg/kg
benzo(a)anthracene	0.011	1.1	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	-	-	mg/kg
benzo(b)fluoranthene	0.3	1.1	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	-	-	mg/kg
benzo(k)fluoranthene	2.9	11	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	-	-	mg/kg
benzo(a)pyrene	0.24	0.11	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	-	-	mg/kg
chrysene	9	110	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	-	-	mg/kg
dibenzo(a,h)anthracene	0.096	0.11	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	-	-	mg/kg
fluoranthene	8.9	240	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	-	-	mg/kg
fluorene	0.54	240	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	-	-	mg/kg
indeno(1,2,3-cd)pyrene	0.98	1.1	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	-	-	mg/kg
1-methylnaphthalene	0.006	18	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	-	-	mg/kg
2-methylnaphthalene	0.019	24	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	-	-	mg/kg
naphthalene	0.0038	2	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	-	-	mg/kg
pyrene	1.3	180	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	-	-	mg/kg
Metals in Soil														
arsenic	0.29	0.68	1.56	2.21	1.06	2.15	2.69	2.74	1.88	2.76	2.03	1.52	1.59	mg/kg
barium	82	15,000	55.3	85.9	45.8	89.3	87.1	82.7	54.3	84.4	83.3	55.0	49.4	mg/kg
cadmium	0.38	71	<0.210	<0.213	<0.209	<0.218	<0.207	<0.208	<0.209	<0.208	<0.212	-	-	mg/kg
chromium (VI)	0.00067	0.3	<0.30*	<0.30*	<0.30*	<0.30*	<0.30*	<0.30*	<0.30*	<0.30*	<0.30*	-	-	mg/kg
copper	46	3,100	2.72	5.21	1.91	4.05	9.87	7.68	2.95	4.11	3.26	-	-	mg/kg
lead	14	400	3.25	4.88	2.35	4.02	10.9	6.38	3.09	4.45	3.36	-	-	mg/kg
nickel	26	1,500	3.80	5.65	2.70	5.01	6.15	6.02	3.94	5.35	3.82	-	-	mg/kg
selenium	0.26	390	0.385	0.533	0.302	0.450	0.589	0.560	0.403	0.513	0.409	0.533	0.538	mg/kg
silver	0.8	390	<0.0210	0.0249	<0.0209	<0.0218	0.0266	0.0243	0.0225	0.0215	<0.0212	-	-	mg/kg
zinc	370	23,000	12.9	19.8	9.10	16.9	39.5	35.9	13.5	18.3	15.8	-	-	mg/kg
Soil Suitability Parameters														
EC	4		0.103	0.275	0.106	0.168	0.223	0.633	0.713	0.558	1.37	-	-	mmhos/cm
SAR	6		0.0397	0.179	0.0401	0.0663	0.0590	0.119	0.358	0.437	0.396	-	-	Unitless
pH	6 to 8.3		8.55	8.72	8.63	8.57	8.21	8.00	8.83	8.28	8.25	7.38	7.11	Unitless
boron	2		0.0154	0.0944	0.0382	0.0318	0.0632	0.0532	0.178	0.0342	0.0936	-	-	mg/l

Notes:

COGCC - Colorado Oil and Gas Conservation Commission
GWSSL - Protection of Groundwater Soil Screening Level
RSSL - Residential Soil Screening Level
SS#-#: Soil Sample ID - depth in ft-bgs
BG - background soil sample
ft-bgs - feet below ground surface
ppm - parts per million
TPH - total petroleum hydrocarbons
mg/kg - milligrams per kilogram

EC - electrical conductivity
mmhos/cm - millimhos per centimeter
SAR - sodium adsorption ratio
mg/l - milligrams per liter
* - compliant per Table 915-1 footnote 9, result was below the laboratory method detection limit
< - indicates result was not detected and is less than the laboratory reporting limit
BLUE - indicates result is above the Table 915-1 GWSSL
RED - indicates result is above the Table 915-1 RSSL