

Table 1

Excavation Soil Analytical Results
Mustang 42-34
Bonanza Creek Operating Company, LLC
Weld County, Colorado

Analyte	COGCC Table 915-1 RSSL Concentrations	Sample ID	SS01	SS02	SS03	SS04	BG02
		Date Sampled	12/15/2021	12/15/2021	12/15/2021	12/15/2021	12/15/2021
		Depth (feet)	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5
<i>Volatile Organic Compounds (VOCs)</i>		Units					
Field Screening PID	--	ppm	0.63	0.37	0.67	0.56	--
Benzene	1.2	mg/kg	<0.0020	<0.0020	<0.0020	<0.0020	--
Toluene	490	mg/kg	<0.0050	<0.0050	<0.0050	<0.0050	--
Ethylbenzene	5.8	mg/kg	<0.0050	<0.0050	<0.0050	<0.0050	--
Xylenes (total)	58	mg/kg	<0.010	<0.010	<0.010	<0.010	--
1,2,4-trimethylbenzene	30	mg/kg	<0.0050	<0.0050	<0.0050	<0.0050	--
1,3,5-trimethylbenzene	27	mg/kg	<0.0050	<0.0050	<0.0050	<0.0050	--
Naphthalene	2	mg/kg	<0.0038	<0.0038	0.0052	<0.0038	--
Gasoline Range Organics (GRO)	--	mg/kg	<0.50	<0.50	<0.50	<0.50	--
Extractable Petroleum Hydrocarbons (DRO)	--	mg/kg	<50	<50	61	<50	--
Extractable Petroleum Hydrocarbons (ORO)	--	mg/kg	<50	<50	<50	<50	--
Total Petroleum Hydrocarbons (TPH)	500	mg/kg	<100.5	<100.5	<100.5	<100.5	--
<i>Polycyclic Aromatic Hydrocarbons</i>							
Acenaphthene	360	mg/kg	<0.0050	<0.0050	<0.0050	<0.0050	--
Anthracene	1800	mg/kg	<0.0050	<0.0050	<0.0050	<0.0050	--
Benz(a)anthracene	1.1	mg/kg	<0.0050	<0.0050	<0.0050	<0.0050	--
Benzo(a)pyrene	0.11	mg/kg	<0.0050	<0.0050	<0.0050	<0.0050	--
Benzo(b)fluoranthene	1.1	mg/kg	<0.0050	<0.0050	<0.0050	<0.0050	--
Benzo(k)fluoranthene	11	mg/kg	<0.0050	<0.0050	<0.0050	<0.0050	--
Chrysene	110	mg/kg	<0.0050	<0.0050	<0.0050	<0.0050	--
Dibenzo(a,h)anthracene	0.11	mg/kg	<0.0050	<0.0050	<0.0050	<0.0050	--
Fluoranthene	240	mg/kg	<0.0050	<0.0050	<0.0050	<0.0050	--
Fluorene	240	mg/kg	<0.0050	<0.0050	0.0119	<0.0050	--
Indeno(1,2,3-cd)pyrene	1.1	mg/kg	<0.0050	<0.0050	<0.0050	<0.0050	--
Pyrene	180	mg/kg	<0.0050	<0.0050	<0.0050	<0.0050	--
1-Methylnaphthalene	18	mg/kg	<0.0050	<0.0050	0.0298	<0.0050	--
2-Methylnaphthalene	24	mg/kg	<0.0050	<0.0050	0.0503	<0.0050	--
<i>Total Metals</i>							
Arsenic	0.68	mg/kg	--	--	1.69	--	1.99
Barium	15000	mg/kg	--	--	83.6	--	--
Cadmium	71	mg/kg	--	--	<0.202	--	--
Copper	3100	mg/kg	--	--	5.36	--	--
Lead	400	mg/kg	--	--	4.62	--	--
Nickel	1500	mg/kg	--	--	4.10	--	--
Selenium	390	mg/kg	--	--	0.628	--	--
Silver	390	mg/kg	--	--	0.0246	--	--
Zinc	23,000	mg/kg	--	--	21.9	--	--
Chromium, Hexavalent	0.3	mg/kg	--	--	<0.30	--	--

Notes

COGCC - Colorado Oil and Gas Conservation Commission

RSSL- Residential Soil Screening Level

mg/kg - milligrams per kilogram

mg/L - milligrams per liter

mmhos/cm - millimhos per centimeter

< = less than the indicated laboratory reporting limit

Bold - Indicates result exceeds the applicable regulatory standard

-- - not applicable, not analyzed

PID - photoionization detector

ppm - parts per million