

Table 1
Soil Sampling Results
Bert Eaton (OWP) #1
Piceance 7 Well Plugging Project
COGCC

Parameter	SS01 1/26/2023 Wellhead	BG01 1/26/2023 Background	COGCC Table 915-1 Standard	Units
Laboratory ID	2301184-01	2301186-01	NA	NA
Depth	6	0-1	NA	feet bgs
PID	13.4	0.0	NA	ppm
Conductivity	0.485	0.589	<4	mmhos/cm
pH	8.06	7.69	6-8.3	pH units
SAR	0.70	0.12	<6	no units
Calcium	54.7	93.7	NA	mg/L
Magnesium	18.0	16.1	NA	mg/L
Sodium	23.2	4.71	NA	mg/L
Arsenic	7.87	7.26	0.68 or 1.25x BG	mg/kg
Barium	166	160	15,000 or 1.25x BG	mg/kg
Cadmium	<5.00	<5.00	71 or 1.25x BG	mg/kg
Chromium (VI)	<0.250	<0.250	0.3 or 1.25x BG	mg/kg
Total Chromium	12.8	14.4	NA	mg/kg
Copper	10.8	13.2	3,100 or 1.25x BG	mg/kg
Lead	10.7	12.9	400 or 1.25x BG	mg/kg
Nickel	13.0	11.8	1,500 or 1.25x BG	mg/kg
Selenium	<20.0	<20.0	390 or 1.25x BG	mg/kg
Silver	<1.00	<1.00	390 or 1.25x BG	mg/kg
Zinc	55.0	53.3	23,000 or 1.25x BG	mg/kg
Boron	<1.20	<1.20	2	mg/L
TPH (GRO)	<10.0	-	NA	mg/kg
TPH (DRO)	<10.0	-	NA	mg/kg
TPH (EXT DRO)	<10.0	-	NA	mg/kg
Total TPH	<30.0	-	500	mg/kg
Benzene	<0.0250	-	1.2	mg/kg
Toluene	<0.0250	-	490	mg/kg
Ethylbenzene	<0.0250	-	5.8	mg/kg
Total Xylenes	<0.0750	-	58	mg/kg
1,3,5-trimethylbenzene	<0.0250	-	27	mg/kg
1,2,4-trimethylbenzene	<0.0250	-	30	mg/kg
Naphthalene	<0.015	-	2	mg/kg
2-methylnaphthalene	<0.023	-	24	mg/kg
1-methylnaphthalene	<0.016	-	18	mg/kg
Acenaphthene	<0.024	-	360	mg/kg
Fluorene	<0.014	-	240	mg/kg
Anthracene	0.039	-	1800	mg/kg
Fluoranthene	0.047	-	240	mg/kg
Pyrene	0.052	-	180	mg/kg
Benzo(a)anthracene	0.026	-	1.1	mg/kg
Chrysene	0.065	-	110	mg/kg
Benzo(b)fluoranthene	0.109	-	1.1	mg/kg
Benzo(k)fluoranthene	0.027	-	11	mg/kg
Benzo(a)pyrene	0.030	-	0.11	mg/kg
Indeno(1,2,3-cd)pyrene	0.062	-	1.1	mg/kg
Dibenz(a,h)anthracene	<0.019	-	0.11	mg/kg

Notes:

PID - Photoionization Detector

SAR - Sodium Adsorption Ratio

BTEX - Benzene, Toluene, Ethylbenzene, & Total Xylenes

TPH - Total Petroleum Hydrocarbons

GRO - Gasoline Range Organics

DRO - Diesel Range Organics

EXT - Extended

NA - Not Applicable

ppm - parts per million

BG - background

bgs - below ground surface

mmhos/cm - millihos per centimeter

mg/L - milligrams per liter

mg/kg - milligrams per kilogram

COGCC - Colorado Oil & Gas Conservation Commission

Bold values exceed COGCC Standard