

**Soil Sampling Results
Bryce (OWP) #1-X
Catamount Energy Partners**

Parameter	Wellhead	Background	COGCC Table 915-1 Standard	Units
	7/26/2022 Wellhead	8/19/2022 Background		
Depth	48	0-4	NA	inches bgs
PID	0.1	0.3	NA	ppm
Conductivity	1.840	0.496	<4	mmhos/cm
pH	11.0	7.31	6-8.3	pH units
SAR	5.27	0.37	<6	no units
Calcium	135	52.9	NA	mg/L
Magnesium	1.21	13.5	NA	mg/L
Sodium	224	11.6	NA	mg/L
Arsenic	2.31	2.82	0.68 or 1.25 BG	mg/kg
Barium	280	135	15,000	mg/kg
Cadmium	<5.00	<5.00	71	mg/kg
Chromium (VI)	<0.250	0.267	0.3	mg/kg
Chromium	87.8	14.4	NA	mg/kg
Copper	20.3	6.79	3,100	mg/kg
Lead	16.4	16.7	400	mg/kg
Nickel	52.2	7.66	1,500	mg/kg
Selenium	<20.0	<20.0	390	mg/kg
Silver	<1.00	<1.00	390	mg/kg
Zinc	51.8	34.1	23,000	mg/kg
Boron	<1.20	<1.20	2	mg/L
TPH (GRO)	<10.0	<10.0	NA	mg/kg
TPH (DRO)	13.9	<10.0	NA	mg/kg
TPH (EXT DRO)	<10.0	<10.0	NA	mg/kg
Total TPH	13.9	<30.0	500	mg/kg
Benzene	<0.0250	<0.0250	1.2	mg/kg
Toluene	<0.0250	<0.0250	490	mg/kg
Ethylbenzene	<0.0250	<0.0250	5.8	mg/kg
Total Xylenes	<0.0750	<0.0750	58	mg/kg
1,3,5-trimethylbenzene	<0.0250	<0.0250	27	mg/kg
1,2,4-trimethylbenzene	<0.0250	<0.0250	30	mg/kg
Naphthalene	<0.0250	<0.0250	2	mg/kg
2-methylnaphthalene	0.026*	<0.023	24	mg/kg
1-methylnaphthalene	<0.016	<0.016	18	mg/kg
Acenaphthene	<0.024	<0.024	360	mg/kg
Fluorene	<0.014	<0.014	240	mg/kg
Anthracene	<0.017	<0.017	1800	mg/kg
Fluoranthene	<0.019	<0.019	240	mg/kg
Pyrene	<0.013	<0.013	180	mg/kg
Benzo(a)anthracene	<0.023	<0.023	1.1	mg/kg
Chrysene	<0.017	<0.017	110	mg/kg
Benzo(b)fluoranthene	<0.019	<0.019	1.1	mg/kg
Benzo(k)fluoranthene	<0.016	<0.016	11	mg/kg
Benzo(a)pyrene	<0.018	<0.018	0.11	mg/kg
Indeno(1,2,3-cd)pyrene	<0.017	<0.017	1.1	mg/kg
Dibenz(a,h)anthracene	<0.019	<0.019	0.11	mg/kg

Notes:

PID - Photoionization Detector ppm - parts per million
SAR - Sodium Adsorption Ratio bgs - below ground surface
BTEX - Benzene, Toluene, Ethylbenzene, & Total Xylenes mmhos/cm - millihos per centimeter
TPH - Total Petroleum Hydrocarbons mg/L - milligrams per liter
GRO - Gasoline Range Organics mg/kg - milligrams per kilogram
DRO - Diesel Range Organics "-" - Indicates no data
EXT - Extended COGCC - Colorado Oil & Gas Conservation Commission
NA - Not Applicable **Bold** values exceed COGCC Table 915-1 Standard
BG - Background *Analyte was detected below the reporting limit; therefore, result is an estimate

Values reported below the laboratory detection limit are considered zero in total TPH calculations