

**Soil Sampling Results
Ignacio 34-8 #3-18
Catamount Energy Partners**

Parameter	Ignacio 34-8 #3-18 Wellhead	Background	COGCC Table 915-1 Standard	Units
	8/1/2022 Wellhead	8/19/2022 Background		
Depth	48	0-6	NA	inches bgs
PID	1.5	0.2	NA	ppm
Conductivity	0.534	0.406	<4	mmhos/cm
pH	7.33	6.24	6-8.3	pH units
SAR	0.43	0.39	<6	no units
Calcium	118	58.7	NA	mg/L
Magnesium	16.9	12.5	NA	mg/L
Sodium	19.0	12.5	NA	mg/L
Arsenic	2.43	3.23	0.68 or 1.25 BG	mg/kg
Barium	184	178	15,000	mg/kg
Cadmium	<5.00	<5.00	71	mg/kg
Chromium (VI)	<0.250	0.764	0.3	mg/kg
Chromium	12.1	15.7	NA	mg/kg
Copper	10.8	8.53	3,100	mg/kg
Lead	15.4	10.5	400	mg/kg
Nickel	8.53	10.2	1,500	mg/kg
Selenium	<20.0	<20.0	390	mg/kg
Silver	<1.00	<1.00	390	mg/kg
Zinc	38.2	37.1	23,000	mg/kg
Boron	<1.20	<1.20	2	mg/L
TPH (GRO)	<10.0	<10.0	NA	mg/kg
TPH (DRO)	<10.0	<10.0	NA	mg/kg
TPH (EXT DRO)	<10.0	<10.0	NA	mg/kg
Total TPH	<30.0	<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	<0.023	<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

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

BG - Background

ppm - parts per million

bgs - below ground surface

mmhos/cm - millihos per centimeter

mg/L - milligrams per liter

mg/kg - milligrams per kilogram

"-" - Indicates no data

COGCC - Colorado Oil & Gas

Conservation Commission

Bold values exceed COGCC Table 915-1 Standard