

Table 1
Soil Sampling Results
Silver King Pan Am Hayes #5-27 (OWP)
Rangely Well Plugging Project
Colorado Energy and Carbon Management Commission

Parameter	SS01 5/21/2024	ECMC Table 915-1 Standard	Units
Sample Location	P&A Wellhead	NA	NA
Latitude/Longitude	40.107373, -108.826164	NA	NA
Laboratory ID	2405279-01	NA	NA
Depth	0-0.67	NA	feet bgs
PID	0.4	NA	ppm
Conductivity	10.600	<4	mmhos/cm
pH	8.58	6-8.3	pH units
SAR	29.0	<6	no units
Calcium	382	NA	mg/L
Magnesium	71.0	NA	mg/L
Sodium	2,350	NA	mg/L
Arsenic	5.60	0.68 or 1.25x BG	mg/kg
Barium	180	15,000 or 1.25x BG	mg/kg
Cadmium	<5.00	71 or 1.25x BG	mg/kg
Chromium (VI)	<0.250	0.3 or 1.25x BG	mg/kg
Copper	19.3	3,100 or 1.25x BG	mg/kg
Lead	13.5	400 or 1.25x BG	mg/kg
Nickel	14.5	1,500 or 1.25x BG	mg/kg
Selenium	<20.0	390 or 1.25x BG	mg/kg
Silver	<1.00	390 or 1.25x BG	mg/kg
Zinc	67.4	23,000 or 1.25x BG	mg/kg
Boron	2.95	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	0.0784	58	mg/kg
1,3,5-trimethylbenzene	<0.0250	27	mg/kg
1,2,4-trimethylbenzene	<0.0250	30	mg/kg
Naphthalene	<0.040	2	mg/kg
2-methylnaphthalene	<0.040	24	mg/kg
1-methylnaphthalene	<0.040	18	mg/kg
Acenaphthene	<0.040	360	mg/kg
Fluorene	<0.040	240	mg/kg
Anthracene	<0.040	1800	mg/kg
Fluoranthene	<0.040	240	mg/kg
Pyrene	<0.040	180	mg/kg
Benzo(a)anthracene	<0.040	1.1	mg/kg
Chrysene	<0.040	110	mg/kg
Benzo(b)fluoranthene	<0.040	1.1	mg/kg
Benzo(k)fluoranthene	<0.040	11	mg/kg
Benzo(a)pyrene	<0.040	0.11	mg/kg
Indeno(1,2,3-cd)pyrene	<0.040	1.1	mg/kg
Dibenz(a,h)anthracene	<0.040	0.11	mg/kg

Notes:

PID - Photoionization Detector
SAR - Sodium Adsorption Ratio
TPH - Total Petroleum Hydrocarbons
GRO - Gasoline Range Organics
DRO - Diesel Range Organics
EXT - Extended
NA - Not Applicable
ppm - parts per million
BG- Background

mmhos/cm - millihos per centimeter
mg/L - milligrams per liter
mg/kg - milligrams per kilogram
bgs - below ground surface
ECMC - Colorado Energy and Carbon
Management Commission
Bold values exceed ECMC Standard
Values reported below the laboratory
detection limit are considered zero
in Total TPH calculations.