

Soil Sampling Results

Southern Ute DD4

Parameter	SS01	SS02	SS03	BG01	ECMC Table 915 Standard	Units
	8/18/2025 Point of Release	8/18/2025 Wet release area	8/18/2025 Wet release area	8/18/2025 Background		
Depth	0-6	0-6	0-6	0-6	NA	inches bgs
Conductivity	2.490	3.010	3.470	0.404	<4	mmhos/cm
pH	8.74	7.95	8.09	7.13	6-8.3	pH units
SAR	17.10	11.500	15.10	0.200	<6	no units
Calcium	41.40	99.60	95.30	62.90	NA	mg/L
Magnesium	9.31	16.7	16.10	11.9	NA	mg/L
Sodium	467.0	472.00	604.0	6.68	NA	mg/L
Arsenic	1.500	3.16	1.730	<1.00	0.68	mg/kg
Barium	1380	308.0	184	347.0	15,000	mg/kg
Cadmium	<5.00	<5.00	<5.00	<5.00	71	mg/kg
Chromium (VI)	<0.250	<0.250	<0.250	<0.250	0.3	mg/kg
Copper	12.1	<10.0	<10.0	10.10	3,100	mg/kg
Lead	<10.0	<10.0	<10.0	13.70	400	mg/kg
Selenium	<20.0	<20.0	<20.0	<20.00	390	mg/kg
Silver	<1.00	<1.00	<1.00	<1.00	390	mg/kg
Zinc	29.9	36.3	31.2	53.8	23000	mg/kg
Nickel	12.3	8.9	<5.00	10.2	N/A	mg/kg
Boron	<1.20	<1.20	<1.20	<1.20	2.0	mg/L
Benzene	<0.0250	<0.0250	<0.0250	<0.0250	1.20	mg/kg
Toluene	<0.0250	<0.0250	<0.0250	<0.0250	490	mg/kg
Ethylbenzene	<0.0250	<0.0250	<0.0250	<0.0250	6	mg/kg
Total Xylenes	<0.0500	<0.0500	<0.0500	<0.0500	58	mg/kg
TPH (GRO)	<10.0	<10.0	<10.0	<10.0	NA	mg/kg
TPH (DRO)	<10.0	<10.0	<10.0	<10.0	NA	mg/kg
TPH (EXT DRO)	<10.0	<10.0	<10.0	<10.0	NA	mg/kg
Total TPH	<30.0	<30.0	<30.0	<30.0	500	mg/kg
Naphthalene	<0.0250	<0.0250	<0.0250	<0.0250	2	mg/kg
Acenaphthene	<0.040	<0.040	<0.040	<0.040	360	mg/kg
Fluorene	<0.040	<0.040	<0.040	<0.040	240	mg/kg
Anthracene	<0.040	<0.040	<0.040	<0.040	1,800	mg/kg
Fluoranthene	<0.040	<0.040	<0.040	<0.040	240	mg/kg
Pyrene	<0.040	<0.040	<0.040	<0.040	180	mg/kg
Benzo(a)anthracene	<0.040	<0.040	<0.040	<0.040	1.10	mg/kg
Chrysene	<0.040	<0.040	<0.040	<0.040	110	mg/kg
Benzo(b)fluoranthene	<0.040	<0.040	<0.040	<0.040	1.10	mg/kg
Benzo(k)fluoranthene	<0.040	<0.040	<0.040	<0.040	11.0	mg/kg
Benzo(a)pyrene	<0.040	<0.040	<0.040	<0.040	0.110	mg/kg
Indeno(1,2,3-cd)pyrene	<0.040	<0.040	<0.040	<0.040	1.10	mg/kg
Dibenzo(a,h)anthracene	<0.040	<0.040	<0.040	<0.040	0.110	mg/kg

Notes:

PID - Photoionization Detector ppm - parts per million
SAR - Sodium Adsorption Ratio bgs - below ground surface
BTEX - Benzene, Toluene, mmhos/cm - millihos per centimeter
 Ethylbenzene, & Total Xylenes TPH - Total Petroleum Hydrocarbons
GRO - Gasoline Range Organics mg/L - milligrams per liter
DRO - Diesel Range Organics mg/kg - milligrams per kilogram
EXT - Extended "-" - Indicates no data
BG - Background NA - Not Applicable
ND - Non-detect

Bold values exceed ECMC Table 915 Standard