

Table 1
Soil Sampling Results
Box Elder K #1
DIA Well Plugging Project
City & County of Denver

Parameter	SS01 01/05/2023	Background 1 11/14/2022	Background 2 11/15/2022	COGCC Table 915-1 Standard	Units
Sample Location	Wellhead	Background 1	Background 2	NA	NA
Latitude/Longitude	39.911615/-104.702664	39.914356/-104.683935	39.903994/-104.709448	NA	NA
Laboratory ID	2301062-01	2211210-01	2211210-02	NA	NA
Depth	7	0-0.67	0-0.17	NA	feet bgs
PID	0.1	-	-	NA	ppm
Conductivity	0.693	0.330	0.700	<4	mmhos/cm
pH	7.92	5.86	6.78	6-8.3	pH units
SAR	0.81	0.17	0.19	<6	no units
Calcium	67.1	23.4	74.7	NA	mg/L
Magnesium	20.0	6.45	22.2	NA	mg/L
Sodium	29.5	3.69	7.26	NA	mg/L
Arsenic	3.63	1.25	2.78	0.68	mg/kg
Barium	134	38.2	88.7	15000	mg/kg
Cadmium	<5.00	<5.00	<5.00	71	mg/kg
Chromium (VI)	<0.250	<0.250	<0.250	0.3	mg/kg
Total Chromium	16.5	<5.00	12.5	NA	mg/kg
Copper	11.7	<5.00	7.50	3100	mg/kg
Lead	14.1	<10.0	<10.0	400	mg/kg
Nickel	10.8	<5.00	6.58	1500	mg/kg
Selenium	<20.0	<20.0	<20.0	390	mg/kg
Silver	<1.00	<1.00	<1.00	390	mg/kg
Zinc	42.2	17.5	35.6	23000	mg/kg
Boron	<1.20	<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	<0.017	-	-	1800	mg/kg
Fluoranthene	<0.019	-	-	240	mg/kg
Pyrene	<0.013	-	-	180	mg/kg
Benzo(a)anthracene	<0.023	-	-	1.1	mg/kg
Chrysene	<0.017	-	-	110	mg/kg
Benzo(b)fluoranthene	<0.019	-	-	1.1	mg/kg
Benzo(k)fluoranthene	<0.016	-	-	11	mg/kg
Benzo(a)pyrene	<0.018	-	-	0.11	mg/kg
Indeno(1,2,3-cd)pyrene	<0.017	-	-	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

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
* - Laboratory detection limit exceeds COGCC Standard
Bold values exceed COGCC Standard
Values reported below the laboratory detection limit are considered zero in Total TPH calculations.