

Table 3
Soil Sampling Results
Box Elder K #2 and K 1-3 Tank Battery
Remediation Project
City and County of Denver

Parameter	SS10 7/18/2023	SS11 7/19/2023	SS12 7/19/2023	SS13 7/20/2023	SS14 7/20/2023	COGCC Table 915-1 Standard	COGCC Protection of Groundwater Standard	Units
Sample Location	Base of Excavation	North Sidewall	West Sidewall	East Sidewall	South Sidewall	NA	NA	NA
Latitude/Longitude	39.909597/-104.712851	39.909664/-104.712926	39.909577/-104.712938	39.909629/-104.712792	39.909535/-104.712819	NA	NA	NA
Laboratory ID	Y307487-01	Y307487-02	Y307487-03	Y307487-04	Y307487-05	NA	NA	NA
Depth	28	24	23	23	23	NA	NA	feet bgs
PID	137.9	0.9	0.4	0.0	0.0	NA	NA	ppm
pH	7.58	8.32	8.26	8.23	8.22	6-8.3	NA	pH units
SAR	3.86	5.64	2.40	2.11	0.558	<6	NA	no units
Calcium	18.53	12.65	31.66	37.87	29.26	NA	NA	mg/L
Magnesium	13.49	<9.99	10.93	24.42	27.09	NA	NA	mg/L
Sodium	89.47	97.52	61.41	67.85	17.43	NA	NA	mg/L
Barium	114*	105*	162*	117*	143*	15,000 or 1.25x BG	82	mg/kg
TPH (GRO)	82.7	<25.0	<25.0	<25.0	<25.0	NA	NA	mg/kg
TPH (DRO)	168	<100	<100	<100	<100	NA	NA	mg/kg
TPH (EXT DRO)	126	<0.200	<0.200	<0.200	<0.200	NA	NA	mg/kg
Total TPH	376.7	<125.2	<125.2	<125.2	<125.2	500	NA	mg/kg

Notes:

PID - Photoionization Detector

SAR - Sodium Adsorption Ratio

BG- Background

TPH - Total Petroleum Hydrocarbons

GRO - Gasoline Range Organics

DRO - Diesel Range Organics

EXT - Extended

NA - Not Applicable

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

* - Values exceed COGCC Table 915-1 protection of groundwater soil level concentration standard

Bold values exceed COGCC Table 915-1 Standard

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