

TABLE 2
Analytical Results Summary: Waste Characterization and Background Soil Samples
HSR Eppinger 6-1 Tank Battery and Wellhead, Adams County, CO

Analyte	COGCC Table 915-1 GWSSL	COGCC Table 915-1 RSSL	SS7-7	BG1-1	BG1-3	BG2-1	BG2-3	Units
Sample Information								
Sample Date	-	-	5/20/2022	5/20/2022	5/20/2022	5/20/2022	5/20/2022	mm/dd/yyyy
Sample Depth	-	-	7	1	3	1	3	ft-bgs
Field Screening	-	-	1,395	NM	NM	NM	NM	ppm
TPH in Soils								
gasoline range organics	500	500	1890	-	-	-	-	mg/kg
diesel range organics	500	500	6980	-	-	-	-	mg/kg
residual range organics	500	500	2330	-	-	-	-	mg/kg
total petroleum hydrocarbons	500	500	11,200	-	-	-	-	mg/kg
Organic Compounds in Soils								
benzene	0.0026	1.2	<0.00200	-	-	-	-	mg/kg
toluene	0.69	490	2.56	-	-	-	-	mg/kg
ethylbenzene	0.78	5.8	3.83	-	-	-	-	mg/kg
total xylenes	9.9	58	359	-	-	-	-	mg/kg
1,2,4-trimethylbenzene	0.0081	30	98.1	-	-	-	-	mg/kg
1,3,5-trimethylbenzene	0.0087	27	55.7	-	-	-	-	mg/kg
acenaphthene	0.55	360	0.374	-	-	-	-	mg/kg
anthracene	5.8	1,800	0.0275	-	-	-	-	mg/kg
benzo(a)anthracene	0.011	1.1	0.0499	-	-	-	-	mg/kg
benzo(b)fluoranthene	0.3	1.1	0.0236	-	-	-	-	mg/kg
benzo(k)fluoranthene	2.9	11	0.031	-	-	-	-	mg/kg
benzo(a)pyrene	0.24	0.11	0.028	-	-	-	-	mg/kg
chrysene	9	110	0.318	-	-	-	-	mg/kg
dibenzo(a,h)anthracene	0.096	0.11	0.0157	-	-	-	-	mg/kg
fluoranthene	8.9	240	0.0305	-	-	-	-	mg/kg
fluorene	0.54	240	1.25	-	-	-	-	mg/kg
indeno(1,2,3-cd)pyrene	0.98	1.1	0.0153	-	-	-	-	mg/kg
1-methylnaphthalene	0.006	18	<0.0067	-	-	-	-	mg/kg
2-methylnaphthalene	0.019	24	<0.0067	-	-	-	-	mg/kg
naphthalene	0.0038	2	2.22	-	-	-	-	mg/kg
pyrene	1.3	180	0.312	-	-	-	-	mg/kg
Metals in Soil								
arsenic	0.29	0.68	3.16	1.58	2.26	1.51	1.88	mg/kg
barium	82	15,000	179	54.5	90.5	63.1	72.2	mg/kg
cadmium	0.38	71	0.222	-	-	-	-	mg/kg
chromium (VI)	0.00067	0.3	<0.5	-	-	-	-	mg/kg
copper	46	3,100	11.3	-	-	-	-	mg/kg
lead	14	400	10.5	-	-	-	-	mg/kg
nickel	26	1,500	13.5	-	-	-	-	mg/kg
selenium	0.26	390	0.433	0.432	0.343	0.316	0.309	mg/kg
silver	0.8	390	0.0485	-	-	-	-	mg/kg
zinc	370	23,000	43.9	-	-	-	-	mg/kg
Soil Suitability Parameters								
EC	4	4	2.66	0.267	0.268	0.820	0.338	mmhos/cm
SAR	6	6	1.37	0.21	0.105	0.333	0.0172	Unitless
pH	6-8.3	6-8.3	7.54	8.27	8.22	7.88	8.12	Unitless
boron	2	2	0.182	0.0396	0.0599	0.240	0.0797	mg/l

Notes:

COGCC - Colorado Oil and Gas Conservation Commission

GWSSL - Protection of Groundwater Soil Screening Level

SS#-#: Soil Sample ID - depth in ft-bgs

ft-bgs - feet below ground surface

mg/kg - milligrams per kilogram

mmhos/cm - millimhos per centimeter

* - compliant per Table 915-1 footnote 9 - result was below laboratory detection limit

< - indicates result was not detected and is less than the laboratory reporting limit

SAR - sodium adsorption ratio

mg/l - milligrams per liter

EC - electrical conductivity

ppm - parts per million

TPH - total petroleum hydrocarbons