

Table 915-1		Fulcrum Energy Operating Hebron/Marr 7 Attachment A - Analytical Summary	
Contaminant of Concern	Concentrations	Sample ID	SS-02@7
		Depth - BGS (inches)	84
		Date Sampled	5/22/2024
		Soil Characterization Sample	
Organic Compounds in Soil	RSSL	Units	
TPH-TVPH (Gasoline Range Organics-C6-C10)	500	mg/kg	186
TPH-TEPH (Diesel Range Organics-C10-C28)		mg/kg	1480
TPH-ORO (Oil Range Organics-C28-C40)		mg/kg	ND
Total TPH (GRO+DRO+ORO)		mg/kg	1666
Benzene	1.2	mg/kg	ND
Toluene	490	mg/kg	0.0026
Ethylbenzene	5.8	mg/kg	ND
Xylenes (total)	58	mg/kg	ND
1,2,4-Trimethylbenzene	30	mg/kg	ND
1,3,5-Trimethylbenzene	27	mg/kg	ND
Acenaphthene	360	mg/kg	ND
Anthracene	1800	mg/kg	0.066
Benzo(A)anthracene	1.1	mg/kg	ND
Benzo(B)fluoranthene	1.1	mg/kg	ND
Benzo(K)fluoranthene	11	mg/kg	ND
Benzo(A)pyrene	0.11	mg/kg	ND
Chrysene	110	mg/kg	ND
Dibenzo(A,H)anthracene	0.11	mg/kg	ND
Fluoranthene	240	mg/kg	ND
Fluorene	240	mg/kg	0.077
Indeno(1,2,3,C,D)pyrene	1.1	mg/kg	ND
1-Methylnaphthalene	18	mg/kg	0.052
2-Methylnaphthalene	24	mg/kg	0.095
Naphthalene	2	mg/kg	ND
Pyrene	180	mg/kg	ND
Soil Suitability for Reclamation	RSSL	Units	
Electrical Conductivity (EC)	<4 mmhos/cm	mmhos/cm	1.18
Sodium Adsorption Ratio (SAR)	< 6	ratio	0.574
pH	6.0-8.3	su	10.70
Boron (Hot Water Soluble)	2	mg/l	0.4
Metals in Soils	RSSL	Units	
Arsenic	0.68	mg/kg	2.42
Barium	15,000	mg/kg	151
Cadmium	71	mg/kg	0.122
Chromium (Hexavalent)	0.3	mg/kg	ND
Copper	3,100	mg/kg	ND
Lead	400	mg/kg	4.03
Nickel	1,600	mg/kg	7.92
Selenium	390	mg/kg	ND
Silver	390	mg/kg	ND
Zinc	23,000	mg/kg	ND
*Groundwater was not encountered during delineation and therefore GSSL concentrations are not applicable and not included in table.			
*Concentrations in red font exceed Table 915-1 standards		PENDING - Awaiting Results	
mg/kg - milligrams per kilogram	TPH - Total Petroleum Hydrocarbons	BGS - Below Ground Surface	
mmhos/cm - millimhos per centimeter	SAR - Sodium Adsorption Ratio	ND - No Detection	