

Comparison of COGCC Table 915-1							
Concentration Levels							
- REM Project No. NA	Date Sampled:	2/26/2021	Sampling Results				
COGCC Table 915-1 Parameters	Sample ID:	1	2	3	4		BG
Organic Compounds in Soil							
Contaminant of Conern	Concentrations						
TPH (total volatile and extractable petroleum hydrocarbons) - GRO (Gasoline Range Organics)	500 mg/kg	ND	ND	ND	ND		ND
TPH (total volatile and extractable petroleum hydrocarbons) - DRO ( Diesel Range Organics)	500 mg/kg	210	270	86	150		ND
TPH (total volatile and extractable petroleum hydrocarbons) - ORO ( Oil Range Organics)	500 mg/kg	56	81	ND	ND		ND
Benzene	1.2 mg/kg	ND	ND	ND	ND		ND
Toluene	490 mg/kg	ND	ND	ND	ND		ND
Ethylbenzene	5.8 mg/kg	ND	ND	ND	ND		ND
Xylenes (total)	58 mg/kg	ND	ND	ND	ND		ND
1,2,4-trimethylbenzene	30 mg/kg	ND	ND	ND	ND		ND
1,3,5-trimethylbenzene	27 mg/kg	ND	ND	ND	ND		ND
Acenaphthene	360 mg/kg	ND	ND	ND	ND		ND
Anthracene	1,800 mg/kg	ND	ND	ND	ND		ND
Benzo(A)anthracene	1.1 mg/kg	ND	ND	ND	ND		ND
Benzo(B)fluoranthene	1.1 mg/kg	ND	ND	ND	0.00837		ND
Benzo(K)fluoranthene	11 mg/kg	ND	ND	ND	ND		ND
Benzo(A)pyrene	0.11 mg/kg	ND	ND	ND	ND		ND
Chrysene	110 mg/kg	ND	ND	ND	0.012		0.0117
Dibenzo(A,H)andthracene	0.11 mg/kg	ND	ND	ND	ND		ND
Fluoranthene	240 mg/kg	ND	ND	ND	0.00865		0.0102
Fluorene	240 mg/kg	ND	ND	0.00542	ND		0.02
Indeno(1,2,3,C,D)pyrene	1.1 mg/kg	ND	ND	ND	ND		ND
Napthalene	2 mg/kg	ND	ND	ND	ND		ND
Pyrene	180 mg/kg	ND	ND	ND	0.0104		0.012
Organic Compounds in Groundwater							
Contaminant of Conern	Concentrations						
Benzene	5 µg/l						
Toluene	560 to 1,000 µg/l						
Ethylbenzene	700 µg/l						
Xylenes (total)	1,400 to 10,000 µg/l						
naphthalene	140 µg/l						
1,2,4-trimethylbenzene	67 µg/l						
1,3,5-trimethylbenzene	67 µg/l						
Soil Suitability for Reclamation							
Electrical Conductivity (EC)	< 4 mmhos/cm	6.46	9.3	7.26	7.42		5.29
Sodium Adsorption Ration (SAR)	< 12	12.5	16.9	15	12.6		7.95
pH	6-8.3	8.24	8.18	8.16	8.25		8.17
boron (hot water soluble soil extract)	2 mg/l	1.50	2.23	1.99	1.29		1.06
Groundwater Inorganic Parameters							
Total Dissolved Solids (TDS)	< 1.25 x local background						
Chlorides	250mg/l or <1.25 X local background						
Sulfates	250mg/l or <1.25 X local background						
Metals in Soils							
Contaminant of Conern	Concentrations						
Arsenic	0.68 mg/kg	7.96	10	10.6	11		7.03
Barium (LDNR True Total Barium)	15,000 mg/kg	82.4	89.3	96.2	105		120
Cadmium	71 mg/kg	ND	ND	ND	ND		0.229
Chromium (VI)	0.3 mg/kg	ND	ND	ND	ND		
Copper	3,100 mg/kg	20.2	16.6	17.6	17.6		18.1
Lead (inorganic)	400 mg/kg	13.2	13.7	13.1	12.3		14.5
Nickel (soluble salts)	1,500 mg/kg	14.7	16.8	17	18.6		20.6
Selenium	390 mg/kg	ND	ND	ND	ND		ND
Silver	390 mg/kg	ND	0.028	0.0412	ND		0.0282
Zinc	23,000 mg/kg	53.2	59.7	57.4	60.5		67.2
Liquid Hydrocarbons in Soils and Ground Water							
Soils and Groundwater - liquid hydrocarbons including condensate and oil	below visual detection limits						

\*ND = NON DETECT