

Comparison of COGCC Table 910-1 Concentration Levels						
Woolley #2 - Spill/Release Point 477609		Sampling Results				
	Date Sampled:	8/19/2020	8/19/2020	8/19/2020	8/19/2020	8/19/2020
COGCC Table 910-1 Parameters	Sample ID:	#1 S/W	#2 S/E	#3 N/W	#4 N/E	#5 Bottom
Organic Compounds						
Contaminant of Concern	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	ND	ND	ND	ND	ND
TPH (total volatile and extractable petroleum hydrocarbons) - ORO (Oil Range Organics)	500 mg/kg	ND	ND	ND	ND	ND
Benzene	0.17 mg/kg	ND	ND	ND	ND	ND
Toluene	85 mg/kg	ND	ND	ND	ND	ND
Ethylbenzene	100 mg/kg	ND	ND	ND	ND	ND
Xylenes (total)	175 mg/kg	ND	ND	ND	ND	ND
Inorganics in Soils						
Electrical Conductivity (EC) ¹	< 4 mmhos/cm or 2x background	12.4	5.74	0.741	0.482	4.27
Sodium Adsorption Ratio (SAR) ¹	< 12	6.87	3.91	0.296	0.28	6.6
pH ¹	6-9	8.23	8.49	8.37	8.69	8.15

*ND = NON DETECT

¹<http://cogcc.state.co.us/documents/reg/Rules/2008/FAQ.cfm#204>

How will the COGCC apply the Table 910-1 concentration levels for pH, sodium adsorption ratio (SAR), and electrical conductivity (EC)?

because elevated levels of pH, SAR, and EC in deeper soils should not adversely affect the successful reclamation of the site, which is the objective of these concentration levels. In addition, the COGCC requires that materials with elevated pH, SAR, or EC be buried under a minimum of three (3) feet of backfill cover and soil that satisfies either the Table 910-1 levels for pH, SAR, and EC or the background levels for such contaminants within three (3) feet of the ground surface at the site. In addition, the soil horizons must be replaced in their original relative position and reclaimed in accordance with 1000 Series Rules, including the establishment of vegetative cover on non-cropland and successful crop growth on cropland.