

Comparison of COGCC Table 910-1									
Concentration Levels									
MCU 73 Manifold Release	Date Sampled:			Sampling Results					
		9/26/2018	9/26/2018	9/26/2018	9/26/2018	8/25/2016	8/25/2016	8/25/2016	8/25/2016
COGCC Table 910-1 Parameters	Sample ID:	1809411-01	1809411-02	1809411-03	1809411-04	SS01	SS02	SS03	SS04
Organic Compounds in Soil									
Contaminant of Concern	Concentrations								
TPH (total volatile and extractable petroleum hydrocarbons) - GRO (Gasoline Range Organics)	500 mg/kg	<50 mg/kg	<50 mg/kg	<50 mg/kg	<50 mg/kg	5.64 mg/kg	<50 mg/kg	<50 mg/kg	<50 mg/kg
TPH (total volatile and extractable petroleum hydrocarbons) - DRO (Diesel Range Organics)	500 mg/kg	310 mg/kg	330 mg/kg	330 mg/kg	1000 mg/kg	1930 mg/kg	2530 mg/kg	1100 mg/kg	487 mg/kg
Benzene	0.17 mg/kg	<0.0020 mg/kg	<0.0020 mg/kg	<0.0020 mg/kg	<0.0020 mg/kg	<0.0020 mg/kg	<0.0020 mg/kg	<0.0020 mg/kg	<0.0020 mg/kg
Toluene	85 mg/kg	<0.0050 mg/kg	<0.0050 mg/kg	<0.0050 mg/kg	<0.0050 mg/kg	<0.0050 mg/kg	<0.0050 mg/kg	<0.0050 mg/kg	<0.0050 mg/kg
Ethylbenzene	100 mg/kg	<0.0050 mg/kg	<0.0050 mg/kg	<0.0050 mg/kg	<0.0050 mg/kg	<0.0050 mg/kg	<0.0050 mg/kg	<0.0050 mg/kg	<0.0050 mg/kg
Xylenes (total)	175 mg/kg	<0.0100 mg/kg	<0.0100 mg/kg	<0.0100 mg/kg	<0.0100 mg/kg	0.026 mg/kg	<0.0100 mg/kg	<0.0100 mg/kg	<0.0100 mg/kg
Acenaphthene	1,000 mg/kg								
Anthracene	1,000 mg/kg								
Benzo(A)anthracene	0.22 mg/kg								
Benzo(B)fluoranthene	0.22 mg/kg								
Benzo(K)fluoranthene	2.2 mg/kg								
Benzo(A)pyrene	22 mg/kg								
Dibenzo(A,H)andthracene	0.022 mg/kg								
Fluoranthene	1,000 mg/kg								
Fluorene	1,000 mg/kg								
Indeno(1,2,3,C,D)pyrene	0.22 mg/kg								
Napthalene	23 mg/kg								
Pyrene	1,000 mg/kg								
Organic Compounds in Ground Water									
Contaminant of Concern	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								
Inorganics in Soils									
Electrical Conductivity (EC)	< 4 mmhos/cm or 2x background								
Sodium Adsorption Ration (SAR)	< 12								
pH	6-9								
Inorganics in Ground Water									
Total Dissolved Solids (TDS)	< 1.25 x background								
Chlorides	< 1.25 x background								
Sulfates	< 1.25 x background								
Metals in Soils									
Contaminant of Concern	Concentrations								
Arsenic	0.39 mg/kg								
Barium (LDNR True Total Barium)	15,000 mg/kg								
Boron (Hot Water Soluble)	2 mg/l								
Cadmium	70 mg/kg								
Chromium (III)	120,000 mg/kg								
Chromium (VI)	23 mg/kg								
Copper	3,100 mg/kg								
Lead (inorganic)	400 mg/kg								
Mercury	23 mg/kg								
Nickel (soluble salts)	1,600 mg/kg								
Selenium	390 mg/kg								
Silver	390 mg/kg								
Zinc	23,000 mg/kg								
Liquid Hydrocarbons in Soils and Ground Water									
Liquid Hydrocarbons including condensate and oil	Below detection level								

*ND = NON DETECT