

		Emerald 147					
		4/14/2022				6/15/2022	
Contaminant of Concern	Cleanup Concentration (mg/kg unless otherwise noted)	20220414_Emerald 147_AOC@4ft	20220414_Emerald 147_TP_COMP	20220414_Emerald 147_TP_DIS	20220414_Emerald 147_WH@2ft	20220615_Emerald_147_AOC@4ft	20220615_Emerald_147_WH@2ft
Soil TPH (total volatile [C6-C10] and extractable [C10-C36] hydrocarbons)	500	ND	ND	ND	ND	NM	NM
GRO (C6-C10)		ND	ND	ND	ND	NM	NM
DRO (C10-C28)		ND	ND	ND	ND	NM	NM
ORO (C35)		ND	ND	ND	ND	NM	NM
Soils and Groundwater - liquid hydrocarbons including condensate and oil	Below Visual Detection Limits	Below Visual Detection Limits	Below Visual Detection Limits	Below Visual Detection Limits	Below Visual Detection Limits	Below Visual Detection Limits	Below Visual Detection Limits
Electrical conductivity (EC) (by saturated paste method)	<4mmhos/cm	6.77	3.06	3.38	6.40	NM	NM
Sodium adsorption ratio (SAR) (by saturated paste method)	<6 SAR units	6.04	3.03	4.33	7.08	0.717	0.927
pH (by saturated paste method)	6-8.3 pH units	7.78	7.83	7.92	7.80	NM	NM
Boron (hot water soluble soil extract)	2 mg/L	0.393	0.197	0.212	0.170	NM	NM
<b>Organic Compounds in Soils</b>							
benzene	1.2	ND	ND	ND	ND	NM	NM
toluene	490	ND	ND	ND	ND	NM	NM
ethylbenzene	5.8	ND	ND	ND	ND	NM	NM
xylenes (sum of o-, m- and p-isomers = total xylenes)	58	ND	ND	ND	ND	NM	NM
1,2,4-trimethylbenzene	30	ND	ND	ND	ND	NM	NM
1,3,5-trimethylbenzene	27	ND	ND	ND	ND	NM	NM
acenaphthene	360	NM	NM	NM	NM	NM	NM
anthracene	1800	NM	NM	NM	NM	NM	NM
benz(a)anthracene	1.1	NM	NM	NM	NM	NM	NM
benzo(b)fluoranthene	1.1	NM	NM	NM	NM	NM	NM
benzo(k)fluoranthene	11	NM	NM	NM	NM	NM	NM
benzo(a)pyrene	0.11	NM	NM	NM	NM	NM	NM
chrysene	110	NM	NM	NM	NM	NM	NM
dibenz(a,h)anthracene	0.11	NM	NM	NM	NM	NM	NM
fluoranthene	240	NM	NM	NM	NM	NM	NM
fluorene	240	NM	NM	NM	NM	NM	NM
indeno(1,2,3-cd)pyrene	1.1	NM	NM	NM	NM	NM	NM
pyrene	180	NM	NM	NM	NM	NM	NM
1-methylnaphthalene	18	NM	NM	NM	NM	NM	NM
2-methylnaphthalene	24	NM	NM	NM	NM	NM	NM
naphthalene	2	ND	ND	ND	ND	NM	NM
<b>Metals in Soils</b>							
arsenic	0.68	8.29	6.07	6.06	6.83	NM	NM
barium	15000	82.2	73.4	84.1	129	NM	NM
cadmium	71	0.250	0.244	ND	0.365	NM	NM
chromium (VI)	0.3	ND	ND	ND	ND	NM	NM
copper	3100	12.1	6.79	8.94	12.1	NM	NM
lead	400	16.9	8.97	11.7	9.57	NM	NM
nickel	1500	17.3	8.83	11.6	13.5	NM	NM
selenium	390	1.50	0.761	0.970	0.816	NM	NM
silver	390	0.103	0.0523	0.0634	0.0718	NM	NM
zinc	23000	78.4	39.1	53.2	51.7	NM	NM

**NOTES:**

Greater than Table 915-1 Standards
Greater than Table 915-1 Standards, but less than adjusted standards (Highest background level is the adjusted standard for inorganics; 1.25X highest background level for metals).

AOC = Area of Concern  
 COMP = Composite Sample  
 DIS = Discrete Sample  
 ND = Not Detected  
 NM = Not Measured  
 TP = Tailings Pile  
 WH = Wellhead