

		Emerald C136			
		1/18/2022			4/14/2022
Contaminant of Concern	Cleanup Concentration (mg/kg unless otherwise noted)	20220118_Emerald C136_AOC@6ft	20220118_Emerald C136_TP_COMP	20220118_Emerald C136_TP_DIS	20220414_Emerald C136_TP_DIS
Soil TPH (total volatile [C6-C10] and extractable [C10-C36] hydrocarbons)	500	ND	ND	ND	NM
GRO (C6-C10)		ND	ND	ND	NM
DRO (C10-C28)		ND	ND	ND	NM
ORO (C35)		ND	ND	ND	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
Electrical conductivity (EC) (by saturated paste method)	<4mmhos/cm	0.407	0.192	0.132	NM
Sodium adsorption ratio (SAR) (by saturated paste method)	<6 SAR units	0.170	0.217	0.229	NM
pH (by saturated paste method)	6–8.3 pH units	7.50	8.75	9.37	7.86
Boron (hot water soluble soil extract)	2 mg/L	0.0877	0.0643	0.0633	NM
Organic Compounds in Soils					
benzene	1.2	ND	ND	ND	NM
toluene	490	ND	ND	ND	NM
ethylbenzene	5.8	ND	ND	ND	NM
xylenes (sum of o-, m- and p- isomers = total xylenes)	58	ND	ND	ND	NM
1,2,4-trimethylbenzene	30	ND	ND	ND	NM
1,3,5-trimethylbenzene	27	ND	ND	ND	NM
acenaphthene	360	ND	ND	ND	NM
anthracene	1800	ND	ND	ND	NM
benzo(a)anthracene	1.1	ND	ND	ND	NM
benzo(b)fluoranthene	1.1	ND	ND	ND	NM
benzo(k)fluoranthene	11	ND	ND	ND	NM
benzo(a)pyrene	0.11	ND	ND	ND	NM
chrysene	110	ND	ND	ND	NM
dibenz(a,h)anthracene	0.11	ND	ND	ND	NM
fluoranthene	240	ND	ND	ND	NM
fluorene	240	ND	ND	ND	NM
indeno(1,2,3-cd)pyrene	1.1	ND	ND	ND	NM
pyrene	180	ND	ND	ND	NM
1-methylnaphthalene	18	ND	ND	ND	NM
2-methylnaphthalene	24	ND	ND	ND	NM
naphthalene	2	ND	ND	ND	NM
Metals in Soils					
arsenic	0.68	7.55	7.60	7.38	NM
barium	15000	133	173	162	NM
cadmium	71	ND	0.447	0.355	NM
chromium (VI)	0.3	ND	ND	ND	NM
copper	3100	13.3	12.8	12.7	NM
lead	400	15.6	14.3	14.1	NM
nickel	1500	19.0	17.1	17.0	NM
selenium	390	2.72	1.89	1.90	NM
silver	390	ND	ND	ND	NM
zinc	23000	73.4	67.9	61.5	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