

Emerald 182					
7/27/2021					
1/18/2022					
Contaminant of Concern	Cleanup Concentration (mg/kg unless otherwise noted)	Emerald 182_01 (AOC@8ft)	Emerald 182_02 (TP_COMP@GS)	Emerald 182_03 (WH@4in)	20220118_Emerald 182_AOC@8ft
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	7.76	5.58	2.76	NM
Sodium adsorption ratio (SAR) (by saturated paste method)	<6 SAR units	7.9	5.81	1.01	0.185
pH (by saturated paste method)	6-8.3 pH units.	8.22	8.18	8.04	NM
Boron (hot water soluble soil extract)	2 mg/L	0.455	0.267	0.282	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
benz(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	7.34	5.87	7.71	NM
barium	15000	70.3	85.9	111	NM
cadmium	71	0.565	0.394	0.754	NM
chromium (VI)	0.3	ND	ND	ND	NM
copper	3100	16.3	11.6	20	NM
lead	400	17.9	11.6	21.4	NM
nickel	1500	20.8	13.6	23.1	NM
selenium	390	2.26	1.5	2.66	NM
silver	390	0.133	0.0801	0.139	NM
zinc	23000	98.1	62.2	125	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

GS = Ground Surface

ND = Not Detected

NM = Not Measured

TP = Tailings Pile

WH = Wellhead

