

|   |  | 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                            |
| <b>Organic Compounds in Soils</b>   |  |                               |                               |                               |                               |
| 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                            |
| <b>Metals in Soils</b>  |  |                               |                               |                               |                               |
| 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