

TABLE 1
FIELD DATA SUMMARY TABLE
NOBLE 100322
VOLKENS 31-22 WELLHEAD, WELD COUNTY, COLORADO
REM # 33147

Sample ID	Sample Date	Depth (ft-bgs)	GPS Data Latitude/Longitude		VOC Concentration (ppm)
WH01@6	4/19/2024	6	40.303407	-104.534341	1,988.0
FLR01@4	4/19/2024	4	40.303407	-104.534310	22.4
WH01-N@4	4/19/2024	4	40.303435	-104.534330	181.6
WH-S@4	4/19/2024	4	40.303393	-104.534350	1,217.0
WH01-W@4	4/19/2024	4	40.303413	-104.534378	1,794.0

1. Global Positioning System (GPS) data is provided in decimal degrees using North American Datum (NAD) 83 UTMZone 13 North.

2. Volatile organic compound (VOC) concentrations are measured in the field using a photoionization detector (PID).

ppm = Parts per million

ft-bgs = feet below ground surface

TABLE 2
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA
NOBLE 100322
VOLKENS 31-22 WELLHEAD, WELD COUNTY, COLORADO
REM # 33147

Sample ID	Sample Date	Depth (ft-bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-Benzene (mg/kg)	Xylenes (mg/kg)	1,2,4- Trimethyl- Benzene (mg/kg)	1,3,5- Trimethyl- Benzene (mg/kg)	Naphthalene (mg/kg)	TPH (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			1.2	490	5.8	58	30	27	2	500	500**		
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.0026	0.69	0.78	9.9	0.0081	0.0087	0.0038	500	500**		
WH01@6	4/19/2024	6	0.0101	0.00432	4.46	102	39.2	9.22	1.19	3,547.00	1540	1510	497
FLR01@4	4/19/2024	4	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.002	<125.200	5.85	222	<100

1. **Bold** values exceed the ECMC Table 915-1 limit(s)
 2. Blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL)
 3. ** Summation of GRO+DRO+ORO must be less than 500 mg/kg
- ft-bgs = feet below ground surface

TABLE 3
SUMMARY OF POLYCYCLIC AROMATIC HYDROCARBON SOIL CHEMISTRY DATA
NOBLE 100322
VOLKENS 31-22 WELLHEAD, WELD COUNTY, COLORADO
REM # 33147

Sample ID	Sample Date	Depth (ft-bgs)	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo (a) Anthracene (mg/kg)	Benzo (a) Pyrene (mg/kg)	Benzo (b) Fluoranthene (mg/kg)	Benzo (k) Fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo (a,h) Anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno (1,2,3- cd) Pyrene (mg/kg)	Pyrene (mg/kg)	1-Methyl - Naphthalene (mg/kg)	2-Methyl- Naphthalene (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			360	1800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	180	18	24
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.55	5.8	0.011	0.24	0.3	2.9	9	0.096	8.9	0.54	0.98	1.3	0.006	0.019
WH01@6	4/19/2024	6	<0.020	0.042	<0.005	<0.020	<0.020	<0.020	0.045	<0.020	<0.020	0.351	<0.020	0.025	1.99	5.44
FLR01@4	4/19/2024	4	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	0.028	<0.020	<0.020	<0.020	<0.020	<0.020	0.002	<0.002

1. **Bold** values exceed the ECMC Table 915-1 limit(s)

2. Blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL)

ft-bgs = feet below ground surface

TABLE 4
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION
NOBLE 100322
VOLKENS 31-22 WELLHEAD, WELD COUNTY, COLORADO
REM # 33147

Sample ID	Sample Date	Depth (ft-bgs)	pH (Standard Units)	EC (mmhos/cm)	SAR (Standard Units)	Boron (mg/L)
ECMC Table 915-1 Soil Suitability Limits			6 - 8.3	<4	<6	2
WH01@6	4/19/2024	6	8.14	0.6	2.58	0.762
FLR01@4	4/19/2024	4	8.60	0.778	1.76	0.303

1. **Bold** faced values exceed the ECMC Table 915-1 limit(s)

ft-bgs = feet below ground surface

TABLE 5
SUMMARY OF METALS IN SOIL CHEMISTRY DATA
NOBLE 100322
VOLKENS 31-22 WELLHEAD, WELD COUNTY, COLORADO
REM # 33147

Sample ID	Sample Date	Depth (ft-bgs)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			0.68	15000	71	0.3	3100	400	1500	390	390	23000
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
WH01@6	4/19/2024	6	3.83	133	0.207	<0.173*	16.1	12.7	13.9	<0.232	<0.0891	65.3
FLR01@4	4/19/2024	4	1.93	84.3	<0.0911		<9.11	4.70	4.72	<0.237	<0.0911	33.7

1. **Bold** values exceed the ECMC Table 915-1 limit(s)

2. Blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL)

* Indicates laboratory minimum detection limit in excess of SSL

ft-bgs = feet below ground surface