

**TABLE 1**  
**FIELD DATA SUMMARY TABLE**  
**NOBLE 100322**  
**BERNHARDT J31-33D WELLHEAD, WELD COUNTY, COLORADO**  
**REM # 32763**

Sample ID	Sample Date	Depth (ft-bgs)	GPS Data		VOC Concentration (ppm)
			Latitude/Longitude		
WH01@6	3/7/2024	6	40.350242	-104.829065	0.0
FLR01@4	3/7/2024	4	40.350242	-104.829047	0.0
WH01-N@4	3/7/2024	4	40.350251	-104.829064	0.0
WH01-S@4	3/7/2024	4	40.350230	-104.829064	0.0
WH01-W@4	3/7/2024	4	40.350241	-104.829083	0.0
BKG01@5	3/7/2024	5	40.350217	-104.829163	NM
BKG02	4/26/2024	4, 6	40.350522	-104.829061	NM
BKG03	4/26/2024	4, 6	40.350236	-104.828688	NM
BKG04	4/26/2024	4, 6	40.350240	-104.829553	NM

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

NM = Not measured

TABLE 2  
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA  
NOBLE 100322  
BERNHARDT J31-33D WELLHEAD, WELD COUNTY, COLORADO  
REM # 32763

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	3/11/2024	6	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.002	<125.200	<0.200	<25.0	<100
FLR01@4	3/11/2024	4	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.002	<125.200	<0.200	<25.0	<100

1. Grey highlighted soil analytical values indicate result is less than laboratory reporting limit  
ft-bgs - feet below ground surface  
mg/kg - milligrams per kilogram

TABLE 3  
SUMMARY OF POLYCYCLIC AROMATIC HYDROCARBON SOIL CHEMISTRY DATA  
NOBLE 100322  
BERNHARDT J31-33D WELLHEAD, WELD COUNTY, COLORADO  
REM # 32763

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	3/11/2024	6	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002
FLR01@4	3/11/2024	4	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002

1. Grey highlighted soil analytical values indicate result is less than laboratory reporting limit  
ft-bgs - feet below ground surface  
mg/kg - milligrams per kilogram

**TABLE 4**  
**SUMMARY OF SOIL SUITABILITY FOR RECLAMATION**  
**NOBLE 100322**  
**BERNHARDT J31-33D WELLHEAD, WELD COUNTY, COLORADO**  
**REM # 32763**

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	3/11/2024	6	8.40	0.515	1.24	0.453
FLR01@4	3/11/2024	4	8.37	0.656	0.926	0.476
BKG01@5	3/11/2024	5	8.15	2.28	2.63	0.482
BKG02@4	4/26/2024	4	8.19			
BKG02@6	4/26/2024	6	8.19			
BKG03@4	4/26/2024	4	8.31			
BKG03@6	4/26/2024	6	8.31			
BKG04@4	4/26/2024	4	8.24			
BKG04@6	4/26/2024	6	8.32			
Maximum Background Concentration			8.32			

1. **RED** - Above ECMC Table 915-1 Standards
  2. **GREEN** - Above ECMC Table 915-1 Standards, but representative of background levels
- ft-bgs - feet below ground surface  
EC - Electrical Conductivity  
SAR - Sodium adsorption ratio  
mmhos/cm - millimhos per centimeter  
mg/L - milligrams per liter  
Not Analyzed

TABLE 5  
SUMMARY OF METALS IN SOIL CHEMISTRY DATA  
NOBLE 100322  
BERNHARDT J31-33D WELLHEAD, WELD COUNTY, COLORADO  
REM # 32763

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	3/11/2024	6	8.22	149	0.243	<0.244*	14.1	13.4	16.2	0.308	<0.0893	56.4
FLR01@4	3/11/2024	4	7.84	155	0.275	<0.247*	14.7	64.9	16.3	<0.231	<0.0887	56.0
BKG01@5	3/11/2024	5	7.48	206				10.7		0.423		
BKG02@4	4/26/2024	4	5.26	243				11.4		<0.255		
BKG02@6	4/26/2024	6	5.47	233				11.9		<0.242		
BKG03@4	4/26/2024	4	5.13	216				10.9		<0.244		
BKG03@6	4/26/2024	6	5.36	163				10.6		<0.245		
BKG04@4	4/26/2024	4	5.65	228				10.9		<0.243		
BKG04@6	4/26/2024	6	5.23	227				10.6		<0.242		
Maximum Background Concentration			7.48	243				11.9		0.423		
Maximum Background Concentration X 1.25			9.35	304				14.9		0.529		

1. **RED** - Above ECMC Table 915-1 Standards
  2. **GREEN** - Above ECMC Table 915-1 Standards, but representative of background levels
  3. Red & blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL)
  4. Grey highlighted soil analytical values indicate result is less than laboratory reporting limit
- \* Indicates laboratory minimum detection limit in excess of SSL
- ft-bgs - feet below ground surface  
mg/kg - milligrams per kilogram  
Not analyzed