

TABLE 1
FIELD DATA SUMMARY TABLE
NOBLE 100322
LOWER LATHAM PC G01-32D, WELD COUNTY, COLORADO
REM # 33461

Sample ID	Sample Date	Depth (ft)	GPS Data		PDOP Value	VOC Concentration (ppm)
			Latitude	Longitude		
FL01 3 Ft	3/19/2024	3	40.3432145	-104.6231366	1.0	0.0
FL01 3Ft (2)	01/14/2025	3	40.3432145	-104.6231366	1.0	0.0
08G, 22D, 32D FL02 3 Ft	3/19/2024	3	40.3436175	-104.6230274	1.1	0.0
2-8G, 1-32D, 2-22D FL02 3Ft (2)	01/14/2025	3	40.3436175	-104.6230274	1.1	0.0
08G, 22D, 32D FL03 3 Ft	3/19/2024	3	40.3438158	-104.6226954	0.9	0.0
08G, 22D, 32D FL04 3 Ft	3/19/2024	3	40.3439215	-104.6224246	1.0	0.0
08G, 22D, 32D FL05 3 Ft	3/19/2024	3	40.3441670	-104.6218304	0.8	0.0
2-8G, 1-32D, 2-22D FL05 3Ft (2)	01/14/2025	3	40.3441670	-104.6218304	0.8	0.0
02-01G Combi Trench 3FT	3/19/2024	3	40.3442117	-104.6213271	0.8	0.0
02-01G Combi Trench 3Ft (2)/FL06	01/14/2025	3	40.3436175	-104.6230274	1.1	0.0
W FL Riser Combi Trench 3 Ft	3/18/2024	3	40.3441163	-104.6213293	0.7	0.0
W FL Riser Combi Trench 3Ft (2)	01/14/2025	3	40.3441163	-104.6213293	0.7	0.0
BKG 1	3/19/2024	1, 3, 4	40.3431522	-104.6221596	-	0.0
BKG 2	3/19/2024	1, 3, 4	40.3442071	-104.6230555	-	0.0
BKG 3	3/19/2024	1, 3, 4	40.3448081	-104.6227551	-	0.0
BKG 4	3/19/2024	1, 3, 4	40.3449512	-104.6212370	-	0.0
BKG 5	3/19/2024	1, 3, 4	40.3431031	-104.6211511	-	0.0
BKG 1	1/15/2025	1, 3, 4	40.3443096	-104.622232	0.80	0.0
BKG 2	1/15/2025	1, 3, 4	40.3441366	-104.622265	0.80	0.0
BKG 3	1/15/2025	1, 3, 4	40.3438852	-104.622292	0.70	0.0
BKG 4	1/15/2025	1, 3, 4	40.3436902	-104.62322	0.70	0.0
BKG 5	1/15/2025	1, 3, 4	40.343599	-104.623563	0.80	0.0

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).

PDOP = Position Dilution of Precision

ppm = Parts per million

ft. = Feet

bgs = Below ground surface

Confirmation (Re-Sample)

TABLE 2
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA
NOBLE 100322
LOWER LATHAM PC G01-32D, WELD COUNTY, COLORADO
REM # 33461

Sample ID	Sample Date	Depth (ft)	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**		
FL01 3FT	03/19/2024	3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
FL01 3ft (2)	01/14/2025	3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
2-8G, 1-32D, 2-22D FL02 3FT	03/19/2024	3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
2-8G, 1-32D, 2-22D FL02 3Ft (2)	01/14/2025	3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
2-8G, 1-32D, 2-22D FL05 3FT	03/19/2024	3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
2-8G, 1-32D, 2-22D FL05 3Ft (2)	01/14/2025	3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
02-01G Combi Trench 3FT	03/19/2024	3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
02-01G Combi Trench 3Ft (2)/FL06	01/14/2025	3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
W FL Riser Combi Trench 3FT	03/18/2024	3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
W FL Riser Combi Trench 3Ft (2)	01/14/2025	3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50

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

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

3. * Indicates laboratory minimum detection limit in excess of SSL

4. ** Summation of GRO+DRO+ORO must be less than 500 mg/kg

(<) = Analytical result is less than the indicated laboratory reporting limit.

TPH-GRO = Total petroleum hydrocarbons - gasoline range organics

TPH-DRO = Total petroleum hydrocarbons - diesel range organics

TPH-ORO = Total petroleum hydrocarbons - oil range organics

mg/kg = Milligrams per kilogram

ft. = Feet

bgs = Below ground surface

NA - Not analyzed

Confirmation (Re-Sample)

TABLE 3
SUMMARY OF POLYCYCLIC AROMATIC HYDROCARBON SOIL CHEMISTRY DATA
NOBLE 100322
LOWER LATHAM PC G01-32D, WELD COUNTY, COLORADO
REM # 33461

Sample ID	Sample Date	Depth (ft)	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
FL01 3FT	03/19/2024	3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
FL01 3Ft (2)	01/14/2025	3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
2-8G, 1-32D, 2-22D FL02 3FT	03/19/2024	3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
2-8G, 1-32D, 2-22D FL02 3Ft (2)	01/14/2025	3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
2-8G, 1-32D, 2-22D FL05 3FT	03/19/2024	3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
2-8G, 1-32D, 2-22D FL05 3Ft (2)	01/14/2025	3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
02-01G Combi Trench 3FT	03/19/2024	3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
02-01G Combi Trench 3Ft (2)/FL06	01/14/2025	3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
W FL Riser Combi Trench 3FT	03/18/2024	3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
W FL Riser Combi Trench 3Ft (2)	01/14/2025	3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500

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

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

3. * Indicates laboratory minimum detection limit in excess of SSL

4. ** Summation of GRO+DRO+ORO must be less than 500 mg/kg

(-) = Analytical result is less than the indicated laboratory reporting limit.

TPH-GRO = Total petroleum hydrocarbons - gasoline range organics

TPH-DRO = Total petroleum hydrocarbons - diesel range organics

TPH-ORO = Total petroleum hydrocarbons - oil range organics

mg/kg = Milligrams per kilogram

ft. = Feet

bgs = Below ground surface

NA - Not analyzed

Confirmation (Re-Sample)

TABLE 4
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION
NOBLE 100322
LOWER LATHAM PC G01-32D, WELD COUNTY, COLORADO
REM # 33461

Sample ID	Sample Date	Depth (ft)	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
FL01 3FT	03/19/2024	3	6.92	0.501	0.0259	<2.00
FL01 3Ft (2)	01/14/2025	3	7.50	0.196	0.657	<2.00
2-8G, 1-32D, 2-22D FL02 3FT	03/19/2024	3	7.83	1.88	1.63	<2.00
2-8G, 1-32D, 2-22D FL02 3Ft (2)	01/14/2025	3	7.87	0.678	0.877	<2.00
2-8G, 1-32D, 2-22D FL05 3FT	03/19/2024	3	8.07	1.05	1.12	<2.00
2-8G, 1-32D, 2-22D FL05 3Ft (2)	01/14/2025	3	7.74	0.483	0.451	<2.00
02-01G Combi Trench 3FT	03/19/2024	3	8.39	0.219	0.062	<2.00
02-01G Combi Trench 3Ft (2)/FL06	01/14/2025	3	8.92	0.193	0.751	<2.00
W FL Riser Combi Trench 3FT	03/18/2024	3	8.31	0.225	0.112	<2.00
W FL Riser Combi Trench 3Ft (2)	01/14/2025	3	8.70	0.162	0.288	<2.00
BKG 1 1FT	03/19/2024	1	8.63	0.415	0.146	<2.00
BKG 2 1FT	03/19/2024	1	8.13	0.318	0.322	<2.00
BKG 3 1FT	03/19/2024	1	8.31	0.412	1.42	<2.00
BKG 4 1FT	03/19/2024	1	8.59	0.813	1.88	<2.00
BKG 5 1FT	03/19/2024	1	7.91	1.21	1.31	<2.00
BKG 1 3FT	03/19/2024	3	8.39	0.458	0.212	<2.00
BKG 2 3FT	03/19/2024	3	7.71	0.628	0.452	<2.00
BKG 3 3FT	03/19/2024	3	7.91	1.29	1.43	<2.00
BKG 4 3FT	03/19/2024	3	8.34	1.04	2.37	<2.00
BKG 5 3FT	03/19/2024	3	8.05	1.60	2.19	<2.00

TABLE 4
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION
NOBLE 100322
LOWER LATHAM PC G01-32D, WELD COUNTY, COLORADO
REM # 33461

Sample ID	Sample Date	Depth (ft)	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
BKG 1 4FT	03/19/2024	4	8.99	0.286	0.244	<2.00
BKG 2 4FT	03/19/2024	4	7.99	0.753	0.538	<2.00
BKG 3 4FT	03/19/2024	4	8.13	0.760	1.11	<2.00
BKG 4 4FT	03/19/2024	4	8.44	0.970	2.11	<2.00
BKG 5 4FT	03/19/2024	4	8.26	1.33	2.56	<2.00
BKG01 4Ft	01/15/2025	4	8.81	0.0876	0.225	<2.00
BKG02 4Ft	01/15/2025	4	8.27	2.34	5.05	<2.00
BKG03 4Ft	01/15/2025	4	8.13	0.52	0.88	<2.00
BKG04 4Ft	01/15/2025	4	8.15	0.53	0.858	<2.00
BKG05 4Ft	01/15/2025	4	7.96	3.2	4.1	<2.00
Maximum Background Concentration			8.81	3.2	5.05	<2.00

1. **Bold** faced values exceed the ECMC Table 915-1 limit(s), but are within background concentrations.

2. **Bold** faced values exceed the ECMC Table 915-1 limit(s) and native background concentrations.

3. Brown highlighted soil analytical values indicate a regulatory exceedance.

4. Confirmation (Re-Sample)

NA - Not analyzed/Not applicable

TABLE 5
SUMMARY OF METALS IN SOIL CHEMISTRY DATA
NOBLE 100322
LOWER LATHAM PC G01-32D, WELD COUNTY, COLORADO
REM # 33461

Sample ID	Sample Date	Depth (ft)	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
FLO1 3FT	03/19/2024	3	3.19	420	1.12	<0.30	10.6	7.59	4.38	<0.260	0.0357	50.3
FLO1 3Ft (2)	01/14/2025	3	6.08	158	0.372	<0.30	7.62	11.9	9.19	<0.260	0.0565	29.6
2-8G, 1-32D, 2-22D FLO2 3FT	03/19/2024	3	2.30	81.2	0.218	<0.30	3.48	8.00	4.04	<0.260	<0.0200	20.8
2-8G, 1-32D, 2-22D FLO2 3Ft (2)	01/14/2025	3	4.05	102	<0.200	<0.30	3.68	6.31	3.45	<0.260	0.0300	16.4
2-8G, 1-32D, 2-22D FLO5 3FT	03/19/2024	3	4.23	126	<0.200	<0.30	3.43	7.01	3.31	<0.260	0.0365	15.6
2-8G, 1-32D, 2-22D FLO5 3Ft (2)	01/14/2025	3	2.88	94.1	0.235	<0.30	5.2	8.86	5.06	<0.260	0.0253	24.1
02-01G Combi Trench 3FT	03/19/2024	3	2.45	121	0.23	<0.30	3.66	7.84	4.29	<0.260	<0.0200	19.1
02-01G Combi Trench 3Ft (2)/FLO6	01/14/2025	3	2.46	161	<0.200	<0.30	4.71	7.04	4.49	<0.260	0.0234	20.2
W FL Riser Combi Trench 3FT	03/18/2024	3	2.55	185	0.234	<0.30	7.92	7.38	6.42	<0.260	0.0281	28.9
W FL Riser Combi Trench 3Ft (2)	01/14/2025	3	2.80	215	0.281	<0.30	6.18	8.36	4.94	<0.260	0.0448	25.6
BKG 1 1FT	03/19/2024	1	2.70	66.0	<0.200	<0.30	3.50	9.59	2.61	<0.260	0.0242	13.7
BKG 2 1FT	03/19/2024	1	4.96	111	0.428	<0.30	6.18	11.8	5.85	<0.260	0.0386	25.1
BKG 3 1FT	03/19/2024	1	5.66	110	<0.200	<0.30	3.74	6.88	3.83	<0.260	0.0379	17.0
BKG 4 1FT	03/19/2024	1	3.92	56.0	<0.200	<0.30	0.570	4.77	1.01	<0.260	0.0285	5.45
BKG 5 1FT	03/19/2024	1	4.73	109	<0.200	<0.30	4.13	6.85	3.96	<0.260	0.0351	16.5
BKG 1 3FT	03/19/2024	3	2.69	71.3	0.224	<0.30	6.81	13.9	3.62	<0.260	0.0259	19.7
BKG 2 3FT	03/19/2024	3	4.10	112	0.348	<0.30	5.88	11.3	5.70	<0.260	0.0355	25.8
BKG 3 3FT	03/19/2024	3	4.61	101	<0.200	<0.30	3.65	6.55	3.57	<0.260	0.0324	15.8
BKG 4 3FT	03/19/2024	3	3.34	52.8	<0.200	<0.30	0.566	5.01	1.04	<0.260	0.0271	5.62
BKG 5 3FT	03/19/2024	3	3.65	62.5	<0.200	<0.30	1.17	5.07	1.55	<0.260	0.0300	7.29
BKG 1 4FT	03/19/2024	4	3.58	81.6	<0.200	<0.30	4.83	10.6	3.11	<0.260	0.0288	16.7
BKG 2 4FT	03/19/2024	4	6.04	172	0.472	<0.30	8.74	15.8	8.25	<0.260	0.0486	38.8
BKG 3 4FT	03/19/2024	4	3.96	102	<0.200	<0.30	3.61	6.77	3.73	<0.260	0.0321	16.1
BKG 4 4FT	03/19/2024	4	4.08	57.1	<0.200	<0.30	0.580	5.18	1.05	<0.260	0.0299	5.27
BKG 5 4FT	03/19/2024	4	4.08	57.4	<0.200	<0.30	0.695	4.99	1.14	<0.260	0.0320	6.17

TABLE 5
SUMMARY OF METALS IN SOIL CHEMISTRY DATA
NOBLE 100322
LOWER LATHAM PC G01-32D, WELD COUNTY, COLORADO
REM # 33461

Sample ID	Sample Date	Depth (ft)	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
BKG01 4Ft	01/15/2025	4	1.19	25.6	<0.200	<0.30	2.21	6.71	7.09	<0.260	<0.0200	31.6
BKG02 4Ft	01/15/2025	4	28.1	140	<0.200	<0.30	3.41	6	3.2	0.312	0.0285	15.3
BKG03 4Ft	01/15/2025	4	3.08	102	<0.200	<0.30	4.61	8.38	5.26	<0.260	0.0209	21.7
BKG04 4Ft	01/15/2025	4	2.64	97.1	<0.200	<0.30	4.17	6.46	4.5	<0.260	<0.0200	20
BKG05 4Ft	01/15/2025	4	2.39	101	0.22	<0.30	5.59	8.38	6	<0.260	0.0208	25.5
1.25x Maximum Background Concentration			35.125	175	0.275	<0.30	6.9875	10.475	8.8625	0.39	0.035625	39.5

1. **Bold** faced values exceed the ECMC Table 915-1 limit(s), but are within 1.25x background concentrations.
2. **Red** faced values exceed the ECMC Table 915-1 limit(s) and native background concentrations.
3. Red & blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL).
4. Non-detect background results accounted for in the highest background concentration by using the reporting limit.

ECMC = Energy & Carbon Management Commission

(<) = Analytical result is less than the indicated laboratory reporting limit.

mg/kg = Milligrams per kilogram

ft. = Feet

bgs = Below ground surface

* Indicates laboratory minimum detection limit in excess of SSL

NA - Not analyzed/Not applicable

Confirmation (Re-Sample)