



FIGURES

Figure 1: Topographic Site Location Map

Figure 2: Aerial Site Location Map

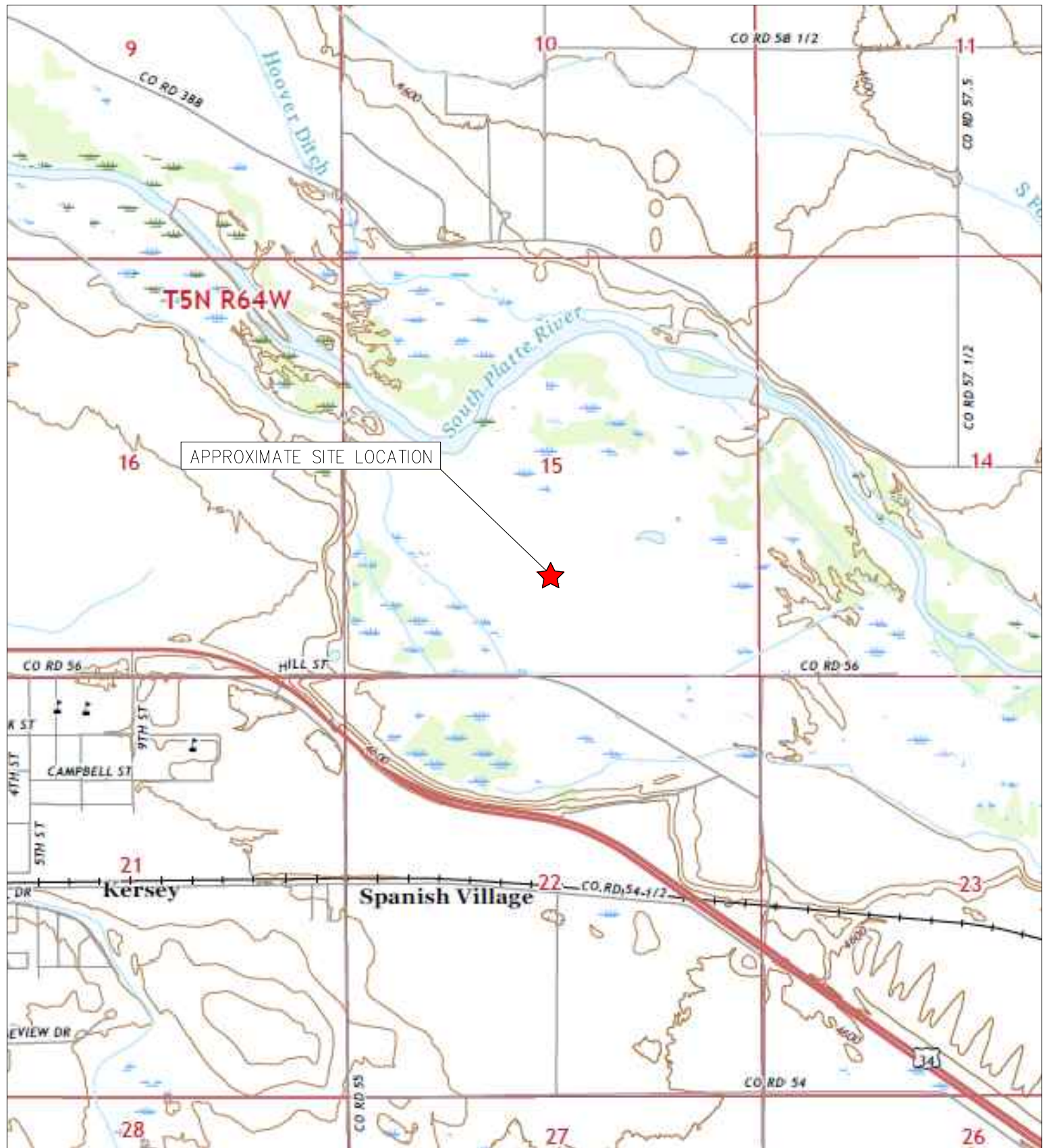
Figure 3: Monitoring Well Soil Analytical Map

Figure 4: Polycyclic Aromatic Hydrocarbons Map

Figure 5: Monitoring Well Metals in Soil Map

Figure 6: Groundwater Analytical Map (05/02/24)

Figure 7: Groundwater Elevation Map (05/02/24)



TOPOGRAPHIC SITE LOCATION MAP
 LOUSTELET T5N-R64W-S15 L01 TANK BATTERY
 HISTORICAL RELEASE
 40.395146 / -104.536147
 SE¼ SW¼ SEC.15 T5N R64W 6PM
 WELD COUNTY, COLORADO
 LOCATION ID 447668
 REMEDIATION # 23570

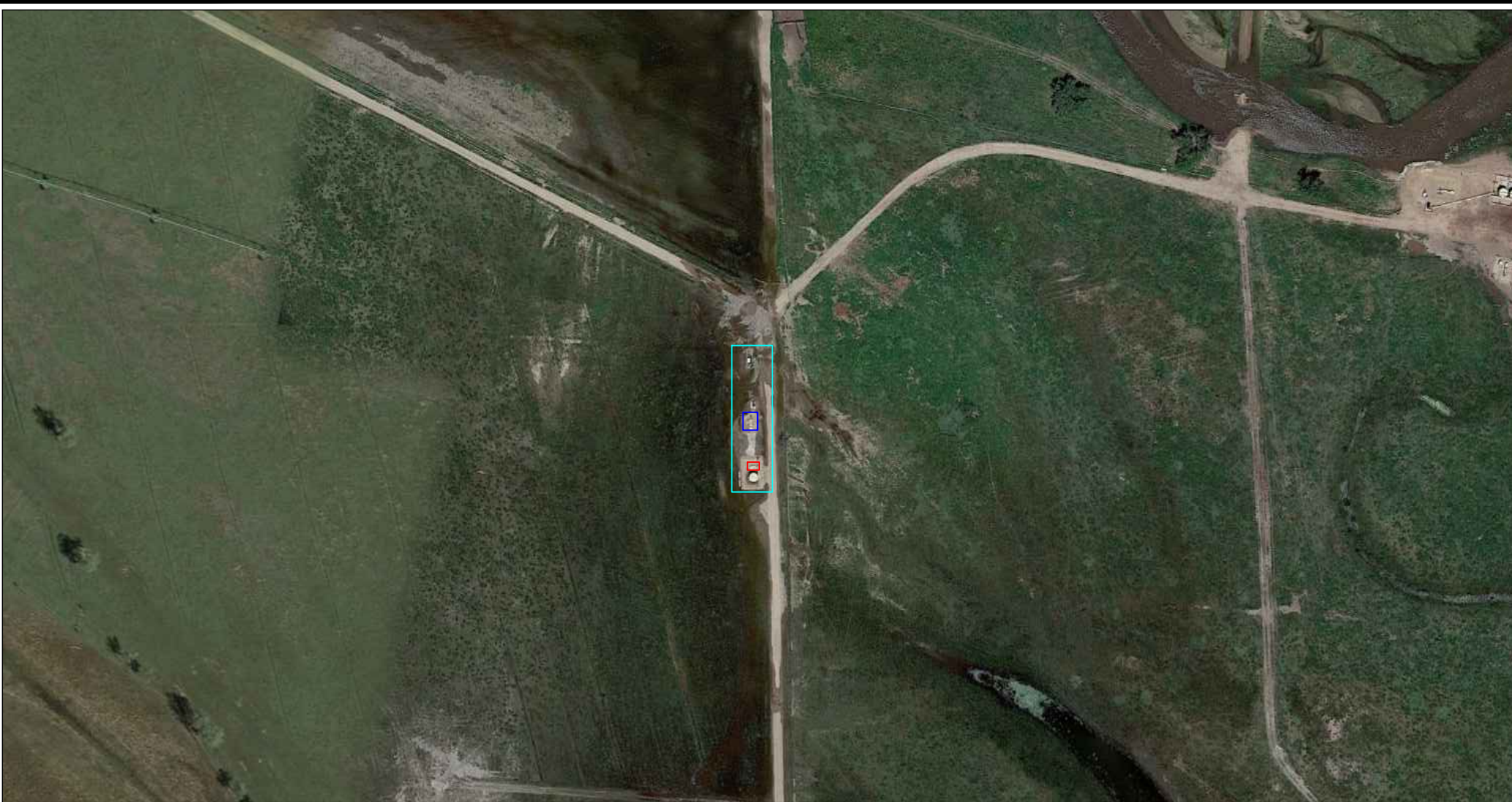
SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP,
 KERSEY, CO QUADRANGLE 2022

FIGURE NO. 1






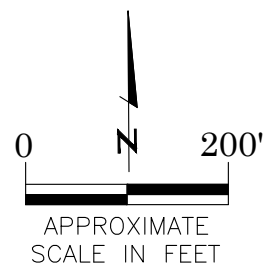
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LEGEND

-  FORMER LOUSTELET T5N-R64W-S15 L01 TANK BATTERY (DECOMMISSIONED)
-  SEPARATOR CONTAINMENT AREA (DECOMMISSIONED)
-  WATER VAULT LOCATION (REMOVED)



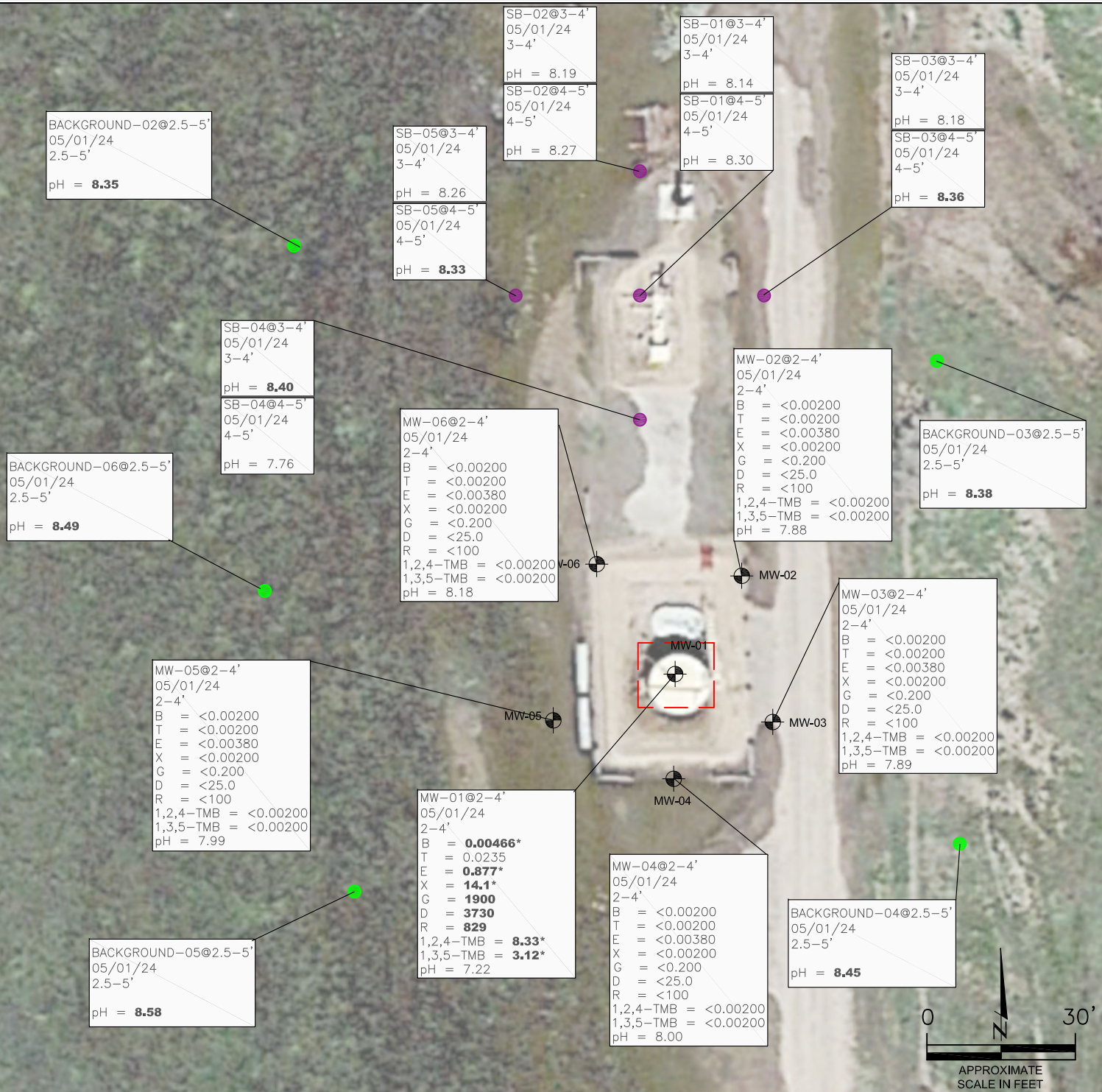
AERIAL SITE LOCATION MAP
LOUSTELET T5N-R64W-S15 L01 TANK BATTERY
HISTORICAL RELEASE
40.395146 / -104.536147
SE $\frac{1}{4}$ SW $\frac{1}{4}$ SEC.15 T5N R64W 6PM
WELD COUNTY, COLORADO
LOCATION ID 447668
REMEDIAION # 23570

FIGURE NO.
2

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LEGEND

- WATER VAULT ASSESSMENT BOUNDARIES
- MONITORING WELL LOCATIONS
- BACKGROUND LOCATIONS
- SOIL BORING LOCATIONS

PARAMETERS

SAMPLE LOCATION
DATE
DEPTH (FEET)
B = BENZENE (mg/kg)
T = TOLUENE (mg/kg)
E = ETHYLBENZENE (mg/kg)
X = TOTAL XYLENES (mg/kg)
G = TPH-GRO (mg/kg)
D = TPH-DRO (mg/kg)
R = TPH-RRO (mg/kg)
1,2,4-TMB = 1,2,4 TRIMETHYLBENZENE (mg/kg)
1,3,5-TMB = 1,3,5 TRIMETHYLBENZENE (mg/kg)
pH = pH (pH UNITS)

mg/kg = MILLIGRAMS PER KILOGRAM

TPH-GRO = TOTAL PETROLEUM HYDROCARBONS - GASOLINE RANGE ORGANICS
TPH-DRO = TOTAL PETROLEUM HYDROCARBONS - DIESEL RANGE ORGANICS
TPH-RRO = TOTAL PETROLEUM HYDROCARBONS - RESIDUAL RANGE ORGANICS

NOTES:
VALUES PRESENTED WITH A LESS THAN SYMBOL (<) DID NOT CONTAIN CONCENTRATIONS AT OR ABOVE LABORATORY DETECTION LIMITS

VALUES PRESENTED IN **BOLD** EXCEED ECMC TABLE 915-1 REGULATORY LIMITS

VALUES PRESENTED WITH ASTERISK (*) EXCEED ECMC TABLE 915-1 PROTECTION OF GROUNDWATER SOIL SCREENING LEVELS, ONLY.

ECMC = ENERGY & CARBON MANAGEMENT COMMISSION

MONITORING WELL SOIL ANALYTICAL MAP
LOUSTELET T5N-R64W-S15 LOT TANK BATTERY
HISTORICAL RELEASE
40.395146 / -104.536147
SE¼ SW¼ SEC.15 T5N R64W 6PM
WELD COUNTY, COLORADO
LOCATION ID 447668
REMEDATION # 23570

FIGURE NO.
3

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LEGEND

- WATER VAULT ASSESSMENT BOUNDARIES
- MONITORING WELL LOCATIONS

PARAMETERS

SAMPLE LOCATION
DATE SAMPLE COLLECTED
APPROXIMATE DEPTH

POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) (mg/kg)

mg/kg = MILLIGRAMS PER KILOGRAM

NOTES:
VALUES PRESENTED WITH A LESS THAN SYMBOL (<) DID NOT CONTAIN CONCENTRATIONS AT OR ABOVE LABORATORY DETECTION LIMITS.

VALUES PRESENTED IN **BOLD** EXCEED ECMC TABLE 915-1 REGULATORY LIMITS.

VALUES PRESENTED WITH AN ASTERISK (*) EXCEED ECMC TABLE 915-1 GROUNDWATER SOIL SCREENING LEVELS, ONLY.

ECMC = ENERGY & CARBON MANAGEMENT COMMISSION

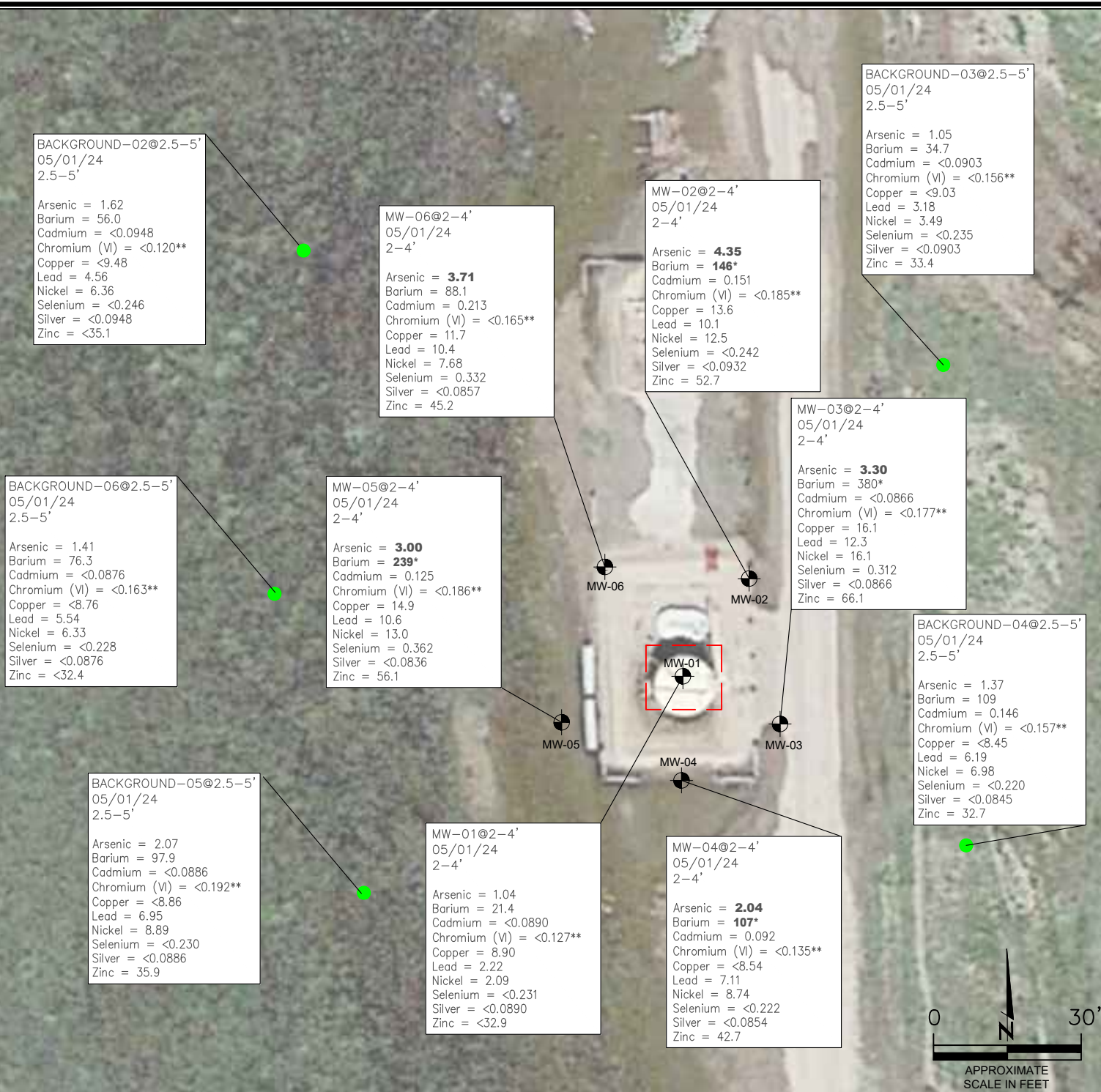
POLYCYCLIC AROMATIC HYDROCARBONS MAP
LOUSTELET T5N-R64W-S15 L01 TANK BATTERY
HISTORICAL RELEASE
40.395146 / -104.536147
SE¼ SW¼ SEC.15 T5N R64W 6PM
WELD COUNTY, COLORADO
LOCATION ID 447668
REMEDATION # 23570

FIGURE NO.
4

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LEGEND

- WATER VAULT ASSESSMENT BOUNDARIES
- MONITORING WELL LOCATIONS
- BACKGROUND SAMPLE LOCATIONS

PARAMETERS

SAMPLE LOCATION
DATE SAMPLE COLLECTED
APPROXIMATE DEPTH
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)

mg/kg = MILLIGRAMS PER KILOGRAM

(NS) = NOT SAMPLED

NOTES:

VALUES PRESENTED WITH A LESS THAN SYMBOL (<) DID NOT CONTAIN CONCENTRATIONS AT/OR ABOVE LABORATORY REPORTING LIMITS AND/OR MINIMUM DETECTION LIMITS.

ELEVATED METALS ARE NATURALLY OCCURRING IN COLORADO. LOCAL CLEAN-UP LEVELS ARE 1.25*BACKGROUND CONCENTRATIONS WHERE APPLICABLE.

VALUES PRESENTED IN **BOLD** EXCEED ECMC TABLE 915-1 REGULATORY LIMITS AND APPLICABLE LOCAL CLEAN-UP LEVELS.

*VALUES EXCEED ECMC TABLE 915-1 PROTECTION OF GROUNDWATER SOIL SCREENING LEVELS, ONLY.

**ACHIEVABLE PRACTICAL QUANTITATIVE LIMITS FOR HEXAVALENT CHROMIUM (Cr VI) IN SOILS IS IN THE RANGE OF 0.1 TO 1 mg/kg.

ECMC = ENERGY & CARBON MANAGEMENT COMMISSION

MONITORING WELL METALS IN SOIL MAP
LOUSTELET T5N-R64W-S15 L01 TANK BATTERY
HISTORICAL RELEASE
40.395146 / -104.536147
SE¼ SW¼ SEC.15 T5N R64W 6PM
WELD COUNTY, COLORADO
LOCATION ID 447668
REMEDATION # 23570

FIGURE NO.
5

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LEGEND

- WATER VAULT ASSESSMENT BOUNDARIES
- MONITORING WELL LOCATIONS

PARAMETERS

GROUNDWATER SAMPLE LOCATION
DATE
B = BENZENE (µg/L)
T = TOLUENE (µg/L)
E = ETHYLBENZENE (µg/L)
X = TOTAL XYLENES (µg/L)
N = NAPHTHALENE (µg/L)
1,2,4-TMB = 1,2,4-TRIMETHYLBENZENE (µg/L)
1,3,5-TMB = 1,3,5-TRIMETHYLBENZENE (µg/L)
C = CHLORIDE (mg/L)
S = SULFATE (mg/L)
TDS = TOTAL DISSOLVED SOLIDS (mg/L)

µg/L = MICROGRAMS PER LITER

NOTES:
INORGANIC GROUNDWATER SAMPLES WERE COLLECTED 05/02/24.

THE GROUNDWATER INORGANIC PARAMETERS IN MONITORING WELL MW-03 WAS USED IN THE DETERMINATION OF "LOCAL BACKGROUND" LEVELS AT THE SITE.

VALUES PRESENTED WITH A LESS THAN SYMBOL (<) DID NOT CONTAIN CONCENTRATIONS AT OR ABOVE THE LABORATORY REPORTING LIMIT

VALUES PRESENTED IN **BOLD** EXCEED THE ECMC TABLE 915-1 REGULATORY LIMITS FOR THAT COMPOUND

ECMC = ENERGY & CARBON MANAGEMENT COMMISSION

GROUNDWATER ANALYTICAL MAP (05/02/24)

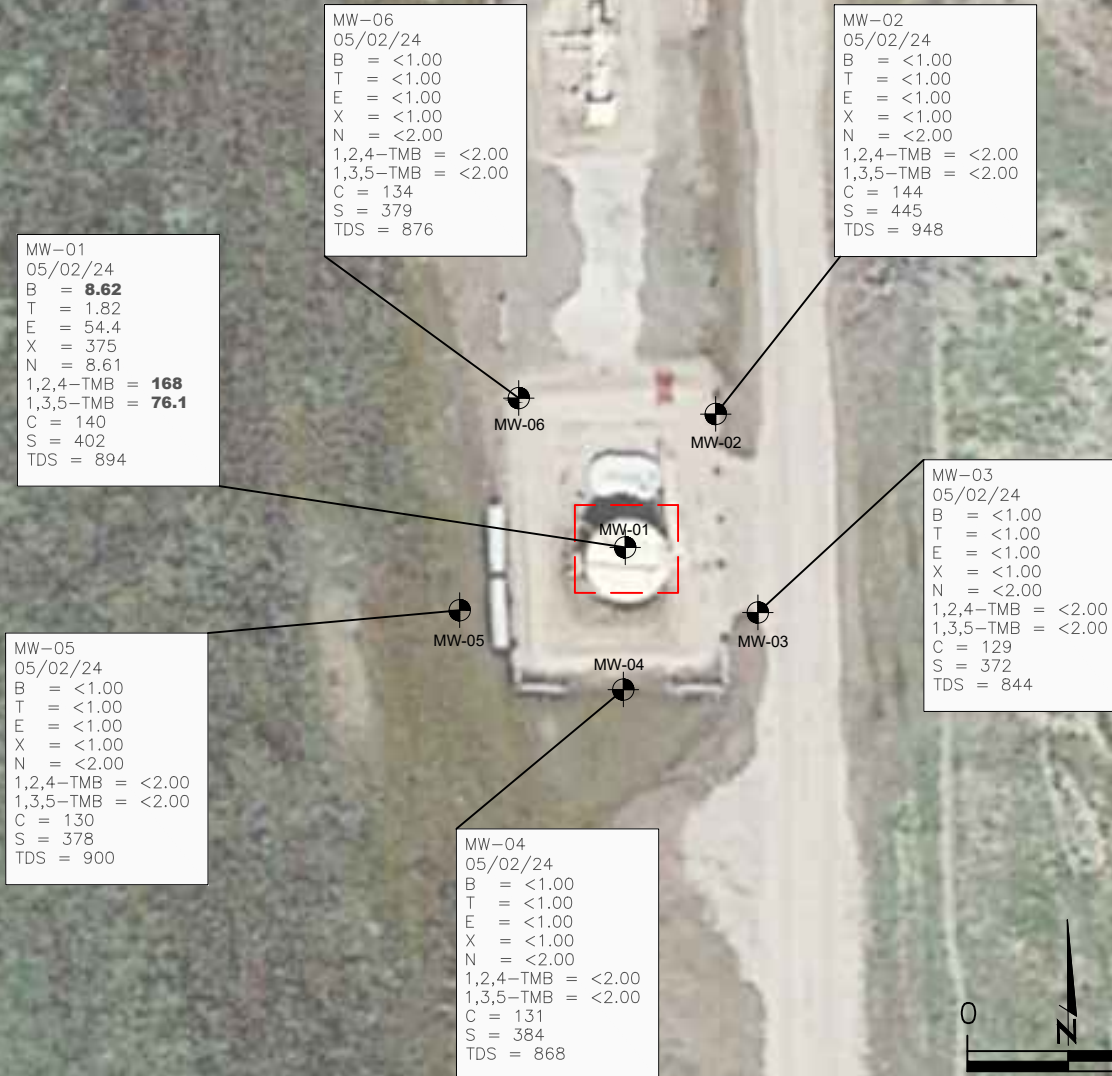
LOUSTELET T5N-R64W-S15 L01 TANK BATTERY
HISTORICAL RELEASE
40.395146 / -104.536147
SE¼ SW¼ SEC.15 T5N R64W 6PM
WELD COUNTY, COLORADO
REMEDATION # 23570

FIGURE NO.
6

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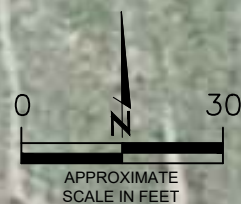
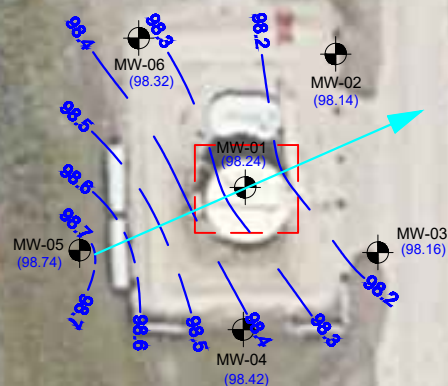


- LEGEND**
- WATER VAULT ASSESSMENT BOUNDARIES
 - MONITORING WELL LOCATIONS
 - (89.25) RELATIVE GROUNDWATER ELEVATION (FT.)
 - - - INFERRED GROUNDWATER ELEVATION CONTOUR (FT.)
 - APPROXIMATE GROUNDWATER FLOW DIRECTION

FT. = FEET

NOTE:
GROUNDWATER ELEVATION DATA WAS COLLECTED ON 5/2/24.

BACKGROUND: GOOGLE EARTH AERIAL IMAGERY JUNE 2016



GROUNDWATER CONTOUR MAP
(05/02/24)

LOUSTELET T5N-R64W-S15 L01 TANK BATTERY
HISTORICAL RELEASE
40.395146 / -104.536147
SE¼ SW¼ SEC.15 T5N R64W 6PM
WELD COUNTY, COLORADO
REMEDATION # 23570

FIGURE NO.
7

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TABLES

Table 1: Field Data Summary Table

Table 2: Summary of Volatile Organic Soil Chemistry Data

Table 3: Summary of PAHs Soil Chemistry Data

Table 4: Summary of Soil Suitability for Reclamation

Table 5: Summary of Metals in Soil Chemistry Data

Table 6: Summary of Groundwater Elevation Data and Organic Chemistry Data

Table 7: Summary of Inorganic Groundwater Chemistry Data

TABLE 1
FIELD DATA SUMMARY TABLE
LOUSTELET T5N-R64W-S15 L01 TANK BATTERY
HISTORICAL RELEASE
40.395041 / -104.536099
SE¼ SW¼ S15 T5N R64W
WELD COUNTY, COLORADO
LOCATION ID 447669
REM # 23570

Sample ID	Sample Date	Depth	GPS Data		PDOP Value	VOC Concentration (ppm)
			Latitude/Longitude			
MW-01 @ 2-4'	5/1/2024	2-4'	40.395030	-104.536162	Y	1,573
MW-02 @ 2-4'	5/1/2024	2-4'	40.395098	-104.536113	Y	3.2
MW-03 @ 2-4'	5/1/2024	2-4'	40.395014	-104.536068	Y	0.8
MW-04 @ 2-4'	5/1/2024	2-4'	40.394960	-104.536150	Y	3.1
MW-05 @ 2-4'	5/1/2024	2-4'	40.395003	-104.536238	Y	2.9
MW-06 @ 2-4'	5/1/2024	2-4'	40.395094	-104.536213	Y	3.4
Background-02 @ 2.5-5'	5/1/2024	2.5-5'	40.395262	-104.536406	Y	1.2
Background-03 @ 2.5-5'	5/1/2024	2.5-5'	40.395185	-104.536197	Y	0.9
Background-04 @ 2.5-5'	5/1/2024	2.5-5'	40.395185	-104.536197	Y	0.7
Background-05 @ 2.5-5'	5/1/2024	2.5-5'	40.395023	-104.536378	Y	0.6
Background-06 @ 2.5-5'	5/1/2024	2.5-5'	40.395255	-104.536281	Y	0.5
SB-01 @ 3-4'	5/1/2024	3-4'	40.395245	-104.536191	Y	2.8
SB-01 @ 4-5'	5/1/2024	4-5'	40.395245	-104.536191	Y	2.1
SB-02 @ 3-4'	5/1/2024	3-4'	40.395326	-104.536189	Y	0.5
SB-02 @ 4-5'	5/1/2024	4-5'	40.395326	-104.536189	Y	0.0
SB-03 @ 3-4'	5/1/2024	3-4'	40.395243	-104.536082	Y	1.8
SB-03 @ 4-5'	5/1/2024	4-5'	40.395243	-104.536082	Y	0.1
SB-04 @ 3-4'	5/1/2024	3-4'	40.395162	-104.536181	Y	3.2
SB-04 @ 4-5'	5/1/2024	4-5'	40.395162	-104.536181	Y	2.8
SB-05 @ 3-4'	5/1/2024	3-4'	40.395241	-104.536297	Y	2.4
SB-05 @ 4-5'	5/1/2024	4-5'	40.395241	-104.536297	Y	0.4

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

in. = Inches

ft. = Feet

bgs = Below ground surface

= Source material characterization sample, excavated and transported off site for disposal.

= Material excavated and transported off site for disposal.



TABLE 2
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA
LOUSTELET T5N-R64W-S15 L01 TANK BATTERY
HISTORICAL RELEASE
40.395041 / -104.536099
SE¼ SW¼ S15 T5N R64W
WELD COUNTY, COLORADO
LOCATION ID 447669
REM # 23570

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**		
MW-01 @ 2-4'	5/1/2024	2-4'	0.00466	0.0235	0.887	14.1	8.33	3.12	0.0257	6,459	1900	3730	829
MW-02 @ 2-4'	5/1/2024	2-4'	<0.00200	<0.00200	<0.00380	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
MW-03 @ 2-4'	5/1/2024	2-4'	<0.00200	<0.00200	<0.00380	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
MW-04 @ 2-4'	5/1/2024	2-4'	<0.00200	<0.00200	<0.00380	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
MW-05 @ 2-4'	5/1/2024	2-4'	<0.00200	<0.00200	<0.00380	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
MW-06 @ 2-4'	5/1/2024	2-4'	<0.00200	<0.00200	<0.00380	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100

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

2. Pink & 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

NA - Not analyzed

= Source material characterization sample, excavated and transported off site for disposal.

= Material excavated and transported off site for disposal.



TABLE 3
SUMMARY OF POLYCYCLIC AROMATIC HYDROCARBON SOIL CHEMISTRY DATA
LOUSTELET T5N-R64W-S15 L01 TANK BATTERY
HISTORICAL RELEASE
40.395041 / -104.536099
SE¼ SW¼ S15 T5N R64W
WELD COUNTY, COLORADO
LOCATION ID 447669
REM # 23570

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
MW-01 @ 2-4'	5/1/2024	2-4'	0.506	0.057	<0.005	<0.020	<0.020	<0.020	0.047	<0.020	<0.020	0.683	<0.020	0.042	1.31	1.63
MW-02 @ 2-4'	5/1/2024	2-4'	<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*
MW-03 @ 2-4'	5/1/2024	2-4'	<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*
MW-04 @ 2-4'	5/1/2024	2-4'	<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*
MW-05 @ 2-4'	5/1/2024	2-4'	<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*
MW-06 @ 2-4'	5/1/2024	2-4'	<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. **Bold** values exceed the ECMC Table 915-1 limit(s)
2. Pink & 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

NA - Not analyzed

= Source material characterization sample, excavated and transported off site for disposal.
 = Material excavated and transported off site for disposal.



TABLE 4
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION
LOUSTELET T5N-R64W-S15 L01 TANK BATTERY
HISTORICAL RELEASE
40.395041 / -104.536099
SE¼ SW¼ S15 T5N R64W
WELD COUNTY, COLORADO
LOCATION ID 447669
REM # 23570

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
MW-01 @ 2-4'	5/1/2024	2-4'	7.22	NA	NA	NA
MW-02 @ 2-4'	5/1/2024	2-4'	7.88	NA	NA	NA
MW-03 @ 2-4'	5/1/2024	2-4'	7.89	NA	NA	NA
MW-04 @ 2-4'	5/1/2024	2-4'	8.00	NA	NA	NA
MW-05 @ 2-4'	5/1/2024	2-4'	7.99	NA	NA	NA
MW-06 @ 2-4'	5/1/2024	2-4'	8.18	NA	NA	NA
Background-02 @ 2.5-5'	5/1/2024	2.5-5'	8.35	NA	NA	NA
Background-03 @ 2.5-5'	5/1/2024	2.5-5'	8.38	NA	NA	NA
Background-04 @ 2.5-5'	5/1/2024	2.5-5'	8.45	NA	NA	NA
Background-05 @ 2.5-5'	5/1/2024	2.5-5'	8.58	NA	NA	NA
Background-06 @ 2.5-5'	5/1/2024	2.5-5'	8.49	NA	NA	NA
SB-01 @ 3-4'	5/1/2024	3-4'	8.14	NA	NA	NA
SB-01 @ 4-5'	5/1/2024	4-5'	8.30	NA	NA	NA
SB-02 @ 3-4'	5/1/2024	3-4'	8.19	NA	NA	NA
SB-02 @ 4-5'	5/1/2024	4-5'	8.27	NA	NA	NA
SB-03 @ 3-4'	5/1/2024	3-4'	8.18	NA	NA	NA
SB-03 @ 4-5'	5/1/2024	4-5'	8.36	NA	NA	NA
SB-04 @ 3-4'	5/1/2024	3-4'	8.40	NA	NA	NA
SB-04 @ 4-5'	5/1/2024	4-5'	7.76	NA	NA	NA
SB-05 @ 3-4'	5/1/2024	3-4'	8.26	NA	NA	NA
SB-05 @ 4-5'	5/1/2024	4-5'	8.33	NA	NA	NA
Maximum Background Concentration			8.58			
Mean Background Concentration			8.45			

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

2. Brown highlighted soil analytical values indicate a regulatory exceedance, but below background concentration.

NA - Not analyzed

= Source material characterization sample, excavated and transported off site for disposal.
 = Material excavated and transported off site for disposal.



TABLE 5
SUMMARY OF METALS IN SOIL CHEMISTRY DATA
LOUSTELET T5N-R64W-S15 L01 TANK BATTERY
HISTORICAL RELEASE
40.395041 / -104.536099
SE¼ SW¼ S15 T5N R64W
WELD COUNTY, COLORADO
LOCATION ID 447669
REM # 23570

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
MW-01 @ 2-4'	5/1/2024	2-4'	1.04	21.4	<0.0890	<0.127*	<8.90	2.22	2.09	<0.231	<0.0890	<32.9
MW-02 @ 2-4'	5/1/2024	2-4'	4.35	146	0.151	<0.185*	13.6	10.1	12.5	<0.242	<0.0932	52.7
MW-03 @ 2-4'	5/1/2024	2-4'	3.30	380	<0.0866	<0.177*	16.1	12.3	16.1	0.312	<0.0866	66.1
MW-04 @ 2-4'	5/1/2024	2-4'	2.04	107	0.092	<0.135*	<8.54	7.11	8.74	<0.222	<0.0854	42.7
MW-05 @ 2-4'	5/1/2024	2-4'	3.00	239	0.125	<0.186*	14.9	10.6	13.0	0.362	<0.0836	56.1
MW-06 @ 2-4'	5/1/2024	2-4'	3.71	88.1	0.213	<0.165*	11.7	10.4	7.68	0.332	<0.0857	45.2
Background-02 @ 2.5-5'	5/1/2024	2.5-5'	1.62	56.0	<0.0948	<0.120*	<9.48	4.56	6.36	<0.246	<0.0948	<35.1
Background-03 @ 2.5-5'	5/1/2024	2.5-5'	1.05	34.7	<0.0903	<0.156*	<9.03	3.18	3.49	<0.235	<0.0903	33.4
Background-04 @ 2.5-5'	5/1/2024	2.5-5'	1.37	109	0.146	<0.157*	<8.45	6.19	6.98	<0.220	<0.0845	32.7
Background-05 @ 2.5-5'	5/1/2024	2.5-5'	2.07	97.9	<0.0886	<0.192*	<8.86	6.95	8.89	<0.230	<0.0886	35.9
Background-06 @ 2.5-5'	5/1/2024	2.5-5'	1.41	76.3	<0.0876	<0.163*	<8.76	5.54	6.33	<0.228	<0.0876	<32.4
Maximum Background Concentration			2.07	109								
Mean Background Concentration X 1.25			1.88	93.48								

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)

* Indicates laboratory minimum detection limit in excess of SSL

NA - Not analyzed

= Source material characterization sample, excavated and transported off site for disposal.

= Material excavated and transported off site for disposal.



TABLE 6
SUMMARY OF GROUNDWATER ELEVATION DATA AND ORGANIC CHEMISTRY DATA
LOUSTELET T5N-R64W-S15 L01 TANK BATTERY
HISTORICAL RELEASE
40.395041 / -104.536099
SE¼ SW¼ S15 T5N R64W
WELD COUNTY, COLORADO
LOCATION ID 447669
REM # 23570

Sample ID	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)	Naphthalene (µg/L)	1,2,4- Trimethyl- Benzene (µg/L)	1,3,5- Trimethyl- Benzene (µg/L)	TOC Elevation (ft)	Depth to Groundwater Below TOC (ft)	Depth to Groundwater Below Ground Surface (ft)	Groundwater Elevation (ft)	LNAPL Thickness (ft)
ECMC Table 915-1 Limits		5.0	560	700	1400	140	67	67					
MW-01	05/02/24	8.62	1.82	54.4	375	8.61	168	76.1	99.82	1.58	1.58	98.24	NP
MW-02	05/02/24	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	100	1.68	1.68	98.32	NP
MW-03	05/02/24	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	99.83	1.66	1.66	98.17	NP
MW-04	05/02/24	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	99.58	1.40	1.40	98.18	NP
MW-05	05/02/24	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	99.37	1.08	1.08	98.29	NP
MW-06	05/02/24	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	99.99	1.50	1.50	98.49	NP

1. Bold values exceed the ECMC limit(s)

2. Red highlighted groundwater analytical values indicate a regulatory exceedance

NP - No measurable LNAPL, NA - Not Analyzed, INA - Inaccessible, IW - Insufficient Water, DES - Destroyed



TABLE 7
SUMMARY OF INORGANIC GROUNDWATER CHEMISTRY DATA
LOUSTELET T5N-R64W-S15 L01 TANK BATTERY
HISTORICAL RELEASE
40.395041 / -104.536099
SE¼ SW¼ S15 T5N R64W
WELD COUNTY, COLORADO
LOCATION ID 447669
REM # 23570

Sample ID	Sample Date	Total Dissolved Solids (mg/L)	Chloride Ion (mg/L)	Sulfate Ion (mg/L)
ECMC Table 915-1 Limits		<1.25 x local background	250 or <1.25 x local background	250 or <1.25 x local background
MW-1	5/2/24	894	140	402
MW-02	5/2/24	948	144	445
MW-03	5/2/24	844	129	372
MW-04	5/2/24	868	131	384
MW-05	5/2/24	900	130	378
MW-06	5/2/24	876	134	379
Background Concentration (Current)		1125	163	473

1. Bold values exceed the ECMC limit(s)

2. Blue highlighted groundwater analytical values indicate a regulatory exceedance

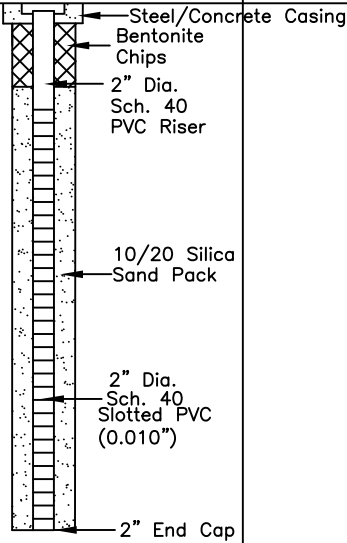
NP - No measurable LNAPL, NA - Not Analyzed, INA - Inaccessible, IW - Insufficient Water, DES - Destroyed





ATTACHMENT A

Soil Boring Logs / Well Completion Diagrams

DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-2.5') sandy CLAY - brown, moist, fine grained, medium stiff, poorly-graded with ~20% sand, slight plasticity, N/O, N/S	CL	DP	1	90	206.4	N/A		 <p>Steel/Concrete Casing Bentonite Chips 2" Dia. Sch. 40 PVC Riser 10/20 Silica Sand Pack 2" Dia. Sch. 40 Slotted PVC (0.010") 2" End Cap</p>	
	(2.5-5') poorly-graded SAND - brown, wet, loose, fine to medium grained, well-graded with trace fines & trace gravel, S/O, BLK/S @~4' - wet					1573				
						N/A				
5	(5-12.5') FLOWING SANDS	SP	DP	2	N/A	N/A	N/A			
10			DP	3	N/A	N/A	N/A			
	BoB @ 12.5'									
15										
20										
25										
30										

HA - Hand Auger
DP - Direct Push
HC - Hydrocarbon
BoB - Bottom of Boring
N/O - no odor
N/S - no staining
TOC - top of casing
bgs - below ground surface

START/COMPLETION DATE: 05/01/24

SAND PACK INTERVAL (FEET): 2-12.5

PROJECT: LOUSTELET T5N-R64W-S15 L01 TANK BATTERY

BENTONITE/GROUT INTERVAL (FEET): 0-2

LOGGED BY: I. MCFARLAND / Z. MARTINEZ

WELL SCREEN INTERVAL (FEET): 2.5-12.5

DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE

WELL DIAMETER (INCHES): 2

BORING DEPTH (FEET): 12.5

WELL DEPTH (FEET): 12.5

PID INSTRUMENT: MiniRAE 3000 - PID #10

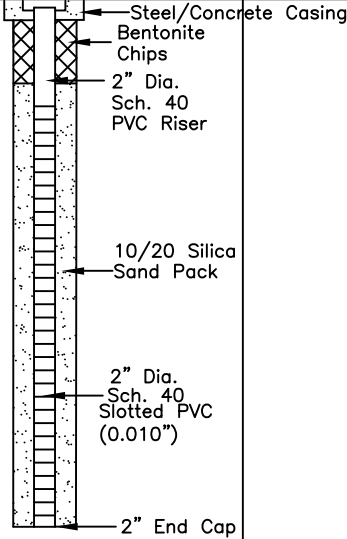
TIME STARTED/COMPLETED: 1053/1115

SAMPLE COLLECTION DEPTH (FT.)/TIME: 2-4/1056



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DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-4') sandy CLAY - brown, moist, fine grained, stiff, poorly-graded with ~10% sand, high plasticity, N/O, N/S	CL	DP	1	75	3.7	N/A		 <p>Steel/Concrete Casing Bentonite Chips 2" Dia. Sch. 40 PVC Riser 10/20 Silica Sand Pack 2" Dia. Sch. 40 Slotted PVC (0.010") 2" End Cap</p>	
	(4-5') poorly-graded SAND - brown, wet, loose, fine to medium grained, trace fines & trace gravel, N/O, N/S					3.2				
	@~4' - wet					3.3				
5	(5-12.5') FLOWING SANDS	SP	DP	2	N/A	N/A	N/A			
						N/A				
						N/A				
10		DP	3	N/A	N/A	N/A	N/A			
						N/A				
						N/A				
	BoB @ 12.5'									
15										
20										
25										
30										

HA - Hand Auger
DP - Direct Push
HC - Hydrocarbon
BoB - Bottom of Boring
N/O - no odor
N/S - no staining
TOC - top of casing
bgs - below ground surface

START/COMPLETION DATE: 05/01/24

SAND PACK INTERVAL (FEET): 2-12.5

PROJECT: LOUSTELET T5N-R64W-S15 L01 TANK BATTERY

BENTONITE/GROUT INTERVAL (FEET): 0.5-2

LOGGED BY: I. MCFARLAND / Z. MARTINEZ

WELL SCREEN INTERVAL (FEET): 2.5-12.5

DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE

WELL DIAMETER (INCHES): 2

BORING DEPTH (FEET): 12.5

WELL DEPTH (FEET): 12.5

PID INSTRUMENT: MiniRAE 3000 - PID #10

TIME STARTED/COMPLETED: 1343/1405

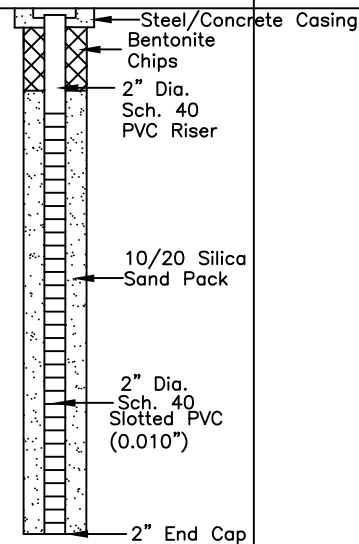
SAMPLE COLLECTION DEPTH (FT.)/TIME: 2-4/1345



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DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-4') sandy CLAY - brown, moist, fine grained, stiff, poorly-graded with ~10% sand, high plasticity, N/O, N/S	CL	DP	1	70	2.4	N/A			
	(4-5') poorly-graded SAND - brown, wet, loose, fine to medium grained, trace fines & trace gravel, N/O, N/S					0.8				
5	@~4' - wet	SP	DP	2	N/A	N/A	N/A	5		
	(5-12.5') FLOWING SANDS									
10		DP		3	N/A	N/A	N/A	10		
	BoB @ 12.5'									
15								15		
20								20		
25								25		
30										



HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 05/01/24

SAND PACK INTERVAL (FEET): 2-12.5

PROJECT: LOUSTELET T5N-R64W-S15 L01 TANK BATTERY

BENTONITE/GROUT INTERVAL (FEET): 0.5-2

LOGGED BY: I. MCFARLAND / Z. MARTINEZ

WELL SCREEN INTERVAL (FEET): 2.5-12.5

DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE

WELL DIAMETER (INCHES): 2

BORING DEPTH (FEET): 12.5

WELL DEPTH (FEET): 12.5

PID INSTRUMENT: MiniRAE 3000 - PID #10

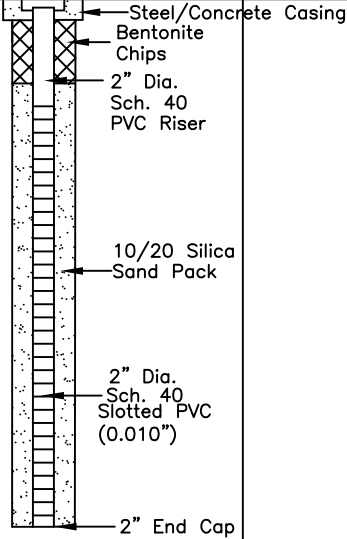
TIME STARTED/COMPLETED: 1125/1139

SAMPLE COLLECTION DEPTH (FT.)/TIME: 2-4/1127



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DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-4') sandy CLAY - brown, moist, fine grained, stiff, poorly-graded with ~10% sand, high plasticity, N/O, N/S	CL	DP	1	80	0.5	N/A		 <p>Steel/Concrete Casing Bentonite Chips 2" Dia. Sch. 40 PVC Riser 10/20 Silica Sand Pack 2" Dia. Sch. 40 Slotted PVC (0.010") 2" End Cap</p>	
	(4-5') poorly-graded SAND - brown, wet, loose, fine to medium grained, trace fines & trace gravel, N/O, N/S					3.1				
	@~4' - wet					3.5				
5	(5-12.5') FLOWING SANDS	SP	DP	2	N/A	N/A	N/A			
10		SP	DP	3	N/A	N/A	N/A			
	BoB @ 12.5'									
15										
20										
25										
30										

HA - Hand Auger
DP - Direct Push
HC - Hydrocarbon
BoB - Bottom of Boring
N/O - no odor
N/S - no staining
TOC - top of casing
bgs - below ground surface

START/COMPLETION DATE: 05/01/24

SAND PACK INTERVAL (FEET): 2-12.5

PROJECT: LOUSTELET T5N-R64W-S15 L01 TANK BATTERY

BENTONITE/GROUT INTERVAL (FEET): 0.5-2

LOGGED BY: I. MCFARLAND / Z. MARTINEZ

WELL SCREEN INTERVAL (FEET): 2.5-12.5

DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE

WELL DIAMETER (INCHES): 2

BORING DEPTH (FEET): 12.5

WELL DEPTH (FEET): 12.5

PID INSTRUMENT: MiniRAE 3000 - PID #10

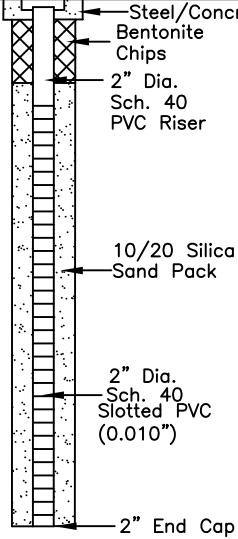
TIME STARTED/COMPLETED: 1144/1155

SAMPLE COLLECTION DEPTH (FT.)/TIME: 2-4/1146



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DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-4') sandy CLAY - brown, moist, fine grained, stiff, poorly-graded with ~10% sand, high plasticity, N/O, N/S	CL	DP	1	80	4.2	N/A			
	(4-5') poorly-graded SAND - brown, wet, loose, fine to medium grained, trace fines & trace gravel, N/O, N/S					2.9				
	@~4' - wet					2.7				
5	(5-12.5') FLOWING SANDS	SP	DP	2	N/A	N/A	N/A			
						N/A				
10			DP	3	N/A	N/A	N/A			
	BoB @ 12.5'									
15										
20										
25										
30										

HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 05/01/24

SAND PACK INTERVAL (FEET): 2-12.5

PROJECT: LOUSTELET T5N-R64W-S15 L01 TANK BATTERY

BENTONITE/GROUT INTERVAL (FEET): 0.5-2

LOGGED BY: I. MCFARLAND / Z. MARTINEZ

WELL SCREEN INTERVAL (FEET): 2.5-12.5

DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE

WELL DIAMETER (INCHES): 2

BORING DEPTH (FEET): 12.5

WELL DEPTH (FEET): 12.5

PID INSTRUMENT: MiniRAE 3000 - PID #10

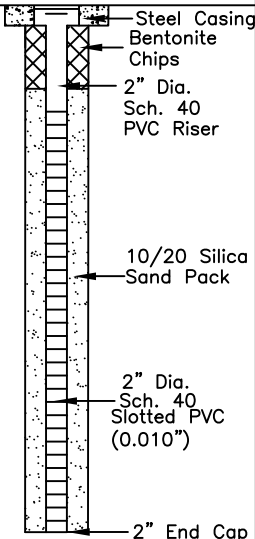
TIME STARTED/COMPLETED: 1203/1230

SAMPLE COLLECTION DEPTH (FT.)/TIME: 2-4/1205



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DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-4') sandy CLAY - brown, moist, fine grained, stiff, poorly-graded with ~10% sand, high plasticity, N/O, N/S	CL	DP	1	70	3.4	N/A		 <p>Steel Casing Bentonite Chips 2" Dia. Sch. 40 PVC Riser 10/20 Silica Sand Pack 2" Dia. Sch. 40 Slotted PVC (0.010") 2" End Cap</p>	
	(4-5') poorly-graded SAND - brown, wet, very loose, fine to medium grained, trace fines & trace gravel, N/O, N/S					3.4				
	@~4' - wet					4.1				
5	(5-12.5') FLOWING SANDS	SP	DP	2	N/A	N/A	N/A	5		
						N/A				
						N/A				
10		DP	3	N/A	N/A	N/A	N/A	10		
						N/A				
						N/A				
	BoB @ 12.5'									
15								15		
20								20		
25								25		
30										

HA - Hand Auger
DP - Direct Push
HC - Hydrocarbon
BoB - Bottom of Boring
N/O - no odor
N/S - no staining
TOC - top of casing
bgs - below ground surface

START/COMPLETION DATE: 05/01/24

SAND PACK INTERVAL (FEET): 2-12.5

PROJECT: LOUSTELET T5N-R64W-S15 L01 TANK BATTERY

BENTONITE/GROUT INTERVAL (FEET): 0.5-2

LOGGED BY: I. MCFARLAND / Z. MARTINEZ

WELL SCREEN INTERVAL (FEET): 2.5-12.5

DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE

WELL DIAMETER (INCHES): 2

BORING DEPTH (FEET): 12.5

WELL DEPTH (FEET): 12.5

PID INSTRUMENT: MiniRAE 3000 - PID #10

TIME STARTED/COMPLETED: 1235/1330

SAMPLE COLLECTION DEPTH (FT.)/TIME: 2-4/1237



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Boring Log/Well Completion Diagram:

SB-01

PAGE 1 OF 1

DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-4') sandy CLAY - brown, moist, fine grained, medium stiff, poorly-graded with ~10% sand, medium plasticity, N/O, N/S	CL	DP	1	70	1.8	N/A			
	@~4' - wet					2.8				
	(4-5') clayey SAND - brown, wet, loose, fine to medium grained, poorly-graded with <10% clay, N/O, N/S	SP				2.1				
5	BoB @ 5'							5		
10								10		
15								15		
20								20		
25								25		
30										

HA - Hand Auger
DP - Direct Push
HC - Hydrocarbon
BoB - Bottom of Boring
N/O - no odor
N/S - no staining
TOC - top of casing
bgs - below ground surface

START/COMPLETION DATE: 05/01/24

SAND PACK INTERVAL (FEET): N/A

PROJECT: LOUSTELET T5N-R64W-S15 L01 TANK BATTERY

BENTONITE/GROUT INTERVAL (FEET): N/A

LOGGED BY: I. MCFARLAND / Z. MARTINEZ

WELL SCREEN INTERVAL (FEET): N/A

DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE

WELL DIAMETER (INCHES): N/A

BORING DEPTH (FEET): 5

WELL DEPTH (FEET): N/A

PID INSTRUMENT: MiniRAE 3000 - PID #10

TIME STARTED/COMPLETED: 1420/1425

SAMPLE COLLECTION DEPTH (FT.)/TIME: 3-4/1425 & 4-5/1425



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Boring Log/Well Completion Diagram:

SB-02

PAGE 1 OF 1

DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-4') sandy CLAY - brown, moist, fine grained, medium stiff, poorly-graded with ~10% sand, medium plasticity, N/O, N/S	CL	HA	1	100	1.1	N/A			
	@~4' - wet									
	(4-5') clayey SAND - brown, wet, loose, fine to medium grained, poorly-graded with <10% clay, N/O, N/S	SP				0.5				
						0.0				
5	BoB @ 5'							5		
10								10		
15								15		
20								20		
25								25		
30										

HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 05/02/24

SAND PACK INTERVAL (FEET): N/A

PROJECT: LOUSTELET T5N-R64W-S15 L01 TANK BATTERY

BENTONITE/GROUT INTERVAL (FEET): N/A

LOGGED BY: I. MCFARLAND / Z. MARTINEZ

WELL SCREEN INTERVAL (FEET): N/A

DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE

WELL DIAMETER (INCHES): N/A

BORING DEPTH (FEET): 5

WELL DEPTH (FEET): N/A

PID INSTRUMENT: MiniRAE 3000 - PID #10

TIME STARTED/COMPLETED: 1100/1110

SAMPLE COLLECTION DEPTH (FT.)/TIME: 3-4/1110 & 4-5/1110



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Boring Log/Well Completion Diagram:

SB-03

PAGE 1 OF 1

DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-4') sandy CLAY - brown, moist, fine grained, medium stiff, poorly-graded with ~10% sand, medium plasticity, N/O, N/S	CL	HA	1	100	0.0	N/A			
	@~4' - wet									
	(4-5') clayey SAND - brown, wet, loose, fine to medium grained, poorly-graded with <10% clay, N/O, N/S	SP				1.8				
5	BoB @ 5'					0.1		5		
10								10		
15								15		
20								20		
25								25		
30										

HA - Hand Auger
DP - Direct Push
HC - Hydrocarbon
BoB - Bottom of Boring
N/O - no odor
N/S - no staining
TOC - top of casing
bgs - below ground surface

START/COMPLETION DATE: 05/02/24

SAND PACK INTERVAL (FEET): N/A

PROJECT: LOUSTELET T5N-R64W-S15 L01 TANK BATTERY

BENTONITE/GROUT INTERVAL (FEET): N/A

LOGGED BY: I. MCFARLAND / Z. MARTINEZ

WELL SCREEN INTERVAL (FEET): N/A

DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE

WELL DIAMETER (INCHES): N/A

BORING DEPTH (FEET): 5

WELL DEPTH (FEET): N/A

PID INSTRUMENT: MiniRAE 3000 - PID #10

TIME STARTED/COMPLETED: 1120/1130

SAMPLE COLLECTION DEPTH (FT.)/TIME: 3-4/1130 & 4-5/1130



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CONSULTING, LLC

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DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-4') sandy CLAY - brown, moist, fine grained, medium stiff, poorly-graded with ~10% sand, medium plasticity, N/O, N/S	CL	DP	1	70	2.5	N/A			
	@~4' - wet					3.2				
	(4-5') clayey SAND - brown, wet, loose, fine to medium grained, poorly-graded with <10% clay, N/O, N/S	SP				2.8				
5	BoB @ 5'							5		
10								10		
15								15		
20								20		
25								25		
30										

HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 05/01/24

SAND PACK INTERVAL (FEET): N/A

PROJECT: LOUSTELET T5N-R64W-S15 L01 TANK BATTERY

BENTONITE/GROUT INTERVAL (FEET): N/A

LOGGED BY: I. MCFARLAND / Z. MARTINEZ

WELL SCREEN INTERVAL (FEET): N/A

DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE

WELL DIAMETER (INCHES): N/A

BORING DEPTH (FEET): 5

WELL DEPTH (FEET): N/A

PID INSTRUMENT: MiniRAE 3000 - PID #10

TIME STARTED/COMPLETED: 1410/1415

SAMPLE COLLECTION DEPTH (FT.)/TIME: 3-4/1412 & 4-5/1412



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Boring Log/Well Completion Diagram:

SB-05

PAGE 1 OF 1

DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-4') sandy CLAY - brown, moist, fine grained, medium stiff, poorly-graded with ~10% sand, medium plasticity, N/O, N/S	CL	DP	1	75	2.6	N/A			
	@~4' - wet									
	(4-5') clayey SAND - brown, wet, loose, fine to medium grained, poorly-graded with <10% clay, N/O, N/S	SP				2.4				
5	BoB @ 5'					0.4		5		
10								10		
15								15		
20								20		
25								25		
30										

HA - Hand Auger
DP - Direct Push
HC - Hydrocarbon
BoB - Bottom of Boring
N/O - no odor
N/S - no staining
TOC - top of casing
bgs - below ground surface

START/COMPLETION DATE: 05/01/24

SAND PACK INTERVAL (FEET): N/A

PROJECT: LOUSTELET T5N-R64W-S15 L01 TANK BATTERY

BENTONITE/GROUT INTERVAL (FEET): N/A

LOGGED BY: I. MCFARLAND / Z. MARTINEZ

WELL SCREEN INTERVAL (FEET): N/A

DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE

WELL DIAMETER (INCHES): N/A

BORING DEPTH (FEET): 5

WELL DEPTH (FEET): N/A

PID INSTRUMENT: MiniRAE 3000 - PID #10

TIME STARTED/COMPLETED: 1415/1420

SAMPLE COLLECTION DEPTH (FT.)/TIME: 3-4/1420 & 4-5/1420



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Boring Log/Well Completion Diagram:

BG-02

PAGE 1 OF 1

DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-4') sandy CLAY - brown, moist, fine grained, medium stiff, poorly-graded with ~10% sand, medium plasticity, N/O, N/S	CL	HA	1	100	0.9	N/A			
	@~4' - wet					1.2				
5	(4-5') clayey SAND - brown, wet, loose, fine to medium grained, poorly-graded with 10% clay, N/O, N/S	SP								
	BoB @ 5'									
10										
15										
20										
25										
30										

HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground
 surface

START/COMPLETION DATE: 05/02/24

SAND PACK INTERVAL (FEET): N/A

PROJECT: LOUSTELET T5N-R64W-S15 L01 TANK BATTERY

BENTONITE/GROUT INTERVAL (FEET): N/A

LOGGED BY: I. MCFARLAND / Z. MARTINEZ

WELL SCREEN INTERVAL (FEET): N/A

DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE

WELL DIAMETER (INCHES): N/A

BORING DEPTH (FEET): 5

WELL DEPTH (FEET): N/A

PID INSTRUMENT: MiniRAE 3000 - PID #10

TIME STARTED/COMPLETED: 1140/1150

SAMPLE COLLECTION DEPTH (FT.)/TIME: 2.5-5/1147



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DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-4') sandy CLAY - brown, moist, fine grained, medium stiff, poorly-graded with ~10% sand, medium plasticity, N/O, N/S	CL	HA	1	100	0.9	N/A			
	@~4' - wet					0.9				
5	(4-5') clayey SAND - brown, wet, loose, fine to medium grained, poorly-graded with 10% clay, N/O, N/S	SP						5		
	BoB @ 5'									
10								10		
15								15		
20								20		
25								25		
30										

HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground
 surface

START/COMPLETION DATE: 05/02/24

SAND PACK INTERVAL (FEET): N/A

PROJECT: LOUSTELET T5N-R64W-S15 L01 TANK BATTERY

BENTONITE/GROUT INTERVAL (FEET): N/A

LOGGED BY: I. MCFARLAND / Z. MARTINEZ

WELL SCREEN INTERVAL (FEET): N/A

DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE

WELL DIAMETER (INCHES): N/A

BORING DEPTH (FEET): 5

WELL DEPTH (FEET): N/A

PID INSTRUMENT: MiniRAE 3000 - PID #10

TIME STARTED/COMPLETED: 1205/1215

SAMPLE COLLECTION DEPTH (FT.)/TIME: 2.5-5/1212



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DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-4') sandy CLAY - brown, moist, fine grained, medium stiff, poorly-graded with ~10% sand, medium plasticity, N/O, N/S	CL	HA	1	100	0.5	N/A			
	@~4' - wet					0.7				
5	(4-5') clayey SAND - brown, wet, loose, fine to medium grained, poorly-graded with <10% clay, N/O, N/S	SP								
	BoB @ 5'									
10										
15										
20										
25										
30										

HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 05/02/24

SAND PACK INTERVAL (FEET): N/A

PROJECT: LOUSTELET T5N-R64W-S15 L01 TANK BATTERY

BENTONITE/GROUT INTERVAL (FEET): N/A

LOGGED BY: I. MCFARLAND / Z. MARTINEZ

WELL SCREEN INTERVAL (FEET): N/A

DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE

WELL DIAMETER (INCHES): N/A

BORING DEPTH (FEET): 5

WELL DEPTH (FEET): N/A

PID INSTRUMENT: MiniRAE 3000 - PID #10

TIME STARTED/COMPLETED: 1220/1230

SAMPLE COLLECTION DEPTH (FT.)/TIME: 2.5-5/1227



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Boring Log/Well Completion Diagram:

BG-05

PAGE 1 OF 1

DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-4') sandy CLAY - brown, moist, fine grained, medium stiff, poorly-graded with ~10% sand, medium plasticity, N/O, N/S	CL	HA	1	100	0.8	N/A			
5	@~4' - wet (4-5') clayey SAND - brown, wet, loose, fine to medium grained, poorly-graded with <10% clay, N/O, N/S	SP				0.6				
5	BoB @ 5'							5		
10								10		
15								15		
20								20		
25								25		
30										

HA - Hand Auger
DP - Direct Push
HC - Hydrocarbon
BoB - Bottom of Boring
N/O - no odor
N/S - no staining
TOC - top of casing
bgs - below ground surface

START/COMPLETION DATE: 05/02/24

SAND PACK INTERVAL (FEET): N/A

PROJECT: LOUSTELET T5N-R64W-S15 L01 TANK BATTERY

BENTONITE/GROUT INTERVAL (FEET): N/A

LOGGED BY: I. MCFARLAND / Z. MARTINEZ

WELL SCREEN INTERVAL (FEET): N/A

DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE

WELL DIAMETER (INCHES): N/A

BORING DEPTH (FEET): 5

WELL DEPTH (FEET): N/A

PID INSTRUMENT: MiniRAE 3000 - PID #10

TIME STARTED/COMPLETED: 1235/1245

SAMPLE COLLECTION DEPTH (FT.)/TIME: 2.5-5/1243



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Boring Log/Well Completion Diagram:

BG-06

PAGE 1 OF 1

DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-4') sandy CLAY - brown, moist, fine grained, medium stiff, poorly-graded with ~10% sand, medium plasticity, N/O, N/S	CL	HA	1	100	0.5	N/A			
	@~4' - wet									
	(4-5') clayey SAND - brown, wet, loose, fine to medium grained, poorly-graded with <10% clay, N/O, N/S	SP				0.5				
5	BoB @ 5'							5		
10								10		
15								15		
20								20		
25								25		
30										

HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground
 surface

START/COMPLETION DATE: 05/02/24

SAND PACK INTERVAL (FEET): N/A

PROJECT: LOUSTELET T5N-R64W-S15 L01 TANK BATTERY

BENTONITE/GROUT INTERVAL (FEET): N/A

LOGGED BY: I. MCFARLAND / Z. MARTINEZ

WELL SCREEN INTERVAL (FEET): N/A

DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE

WELL DIAMETER (INCHES): N/A

BORING DEPTH (FEET): 5

WELL DEPTH (FEET): N/A

PID INSTRUMENT: MiniRAE 3000 - PID #10

TIME STARTED/COMPLETED: 1150/1200

SAMPLE COLLECTION DEPTH (FT.)/TIME: 2.5-5/1157



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ATTACHMENT B

Laboratory Analytical Reports



May 30, 2024

Eagle Environmental Consulting, LLC

Andrew Newberry

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Loustelet T5N-R64W-S15 L01 TB **Project Number - [none]**

Attached are your analytical results for Noble - Loustelet T5N-R64W-S15 L01 TB received by Origins Laboratory, Inc. May 02, 2024. This project is associated with Origins project number Y405082-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01@2-4'	Y405082-01	Soil	May 1, 2024 10:56	05/02/2024 15:15
MW-02@2-4'	Y405082-02	Soil	May 1, 2024 13:45	05/02/2024 15:15
MW-03@2-4'	Y405082-03	Soil	May 1, 2024 11:27	05/02/2024 15:15
MW-04@2-4'	Y405082-04	Soil	May 1, 2024 11:46	05/02/2024 15:15
MW-05@2-4'	Y405082-05	Soil	May 1, 2024 12:05	05/02/2024 15:15
MW-06@2-4'	Y405082-06	Soil	May 1, 2024 12:37	05/02/2024 15:15
SB-01@3-4'	Y405082-07	Soil	May 1, 2024 14:25	05/02/2024 15:15
SB-02@3-4'	Y405082-08	Soil	May 2, 2024 11:10	05/02/2024 15:15
SB-03@3-4'	Y405082-09	Soil	May 2, 2024 11:30	05/02/2024 15:15
SB-04@3-4'	Y405082-10	Soil	May 2, 2024 14:12	05/02/2024 15:15
SB-05@3-4'	Y405082-11	Soil	May 1, 2024 14:20	05/02/2024 15:15
SB-01@4-5'	Y405082-12	Soil	May 1, 2024 14:25	05/02/2024 15:15
SB-02@4-5'	Y405082-13	Soil	May 2, 2024 11:10	05/02/2024 15:15
SB-03@4-5'	Y405082-14	Soil	May 2, 2024 11:30	05/02/2024 15:15

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-04@4-5'	Y405082-15	Soil	May 1, 2024 14:12	05/02/2024 15:15
SB-05@4-5'	Y405082-16	Soil	May 1, 2024 14:20	05/02/2024 15:15
Background-02@2.5-5'	Y405082-17	Soil	May 2, 2024 11:47	05/02/2024 15:15
Background-03@2.5-5'	Y405082-18	Soil	May 2, 2024 12:12	05/02/2024 15:15
Background-04@2.5-5'	Y405082-19	Soil	May 2, 2024 12:27	05/02/2024 15:15
Background-05@2.5-5'	Y405082-20	Soil	May 2, 2024 12:43	05/02/2024 15:15
Background-06@2.5-5'	Y405082-21	Soil	May 2, 2024 11:57	05/02/2024 15:15

Origins Laboratory, Inc.



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Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

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4405002

ORIGINS LABORATORY, INC

Client: Eagle Environmental Consulting
Address: 8000 W 44th Ave
Wheat Ridge, CO 80033
Telephone Number: 303-433-0479
Email Address: andrewnewberry@eagle-environment.com

Project Manager: Andrew Newberry
Project Name: Loustelet T5N-R64W-S15 L01 Tank Battery
Project Number: _____
Samples Collected By: ZM/M

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative			Matrix			Analysis	Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil		
MW-0102-4'	5/1/24	1056	3	X				X		X	pH = saturated
MW-0202-4'		1345								X	paste prep
MW-0302-4'		1127								X	
MW-0402-4'		1146								X	
MW-0502-4'		1205								X	
MW-0602-4'		1237								X	
SB-0103-4'	5/2/24	1425	1							X	
SB-0203-4'	5/2/24	1110								X	
SB-0303-4'	5/2/24	1130								X	
SB-0403-4'	5/1/24	1412								X	

Relinquished By: *John Michael* Date: 5/2/24 Time: 1515
Relinquished By: _____ Date: _____ Time: _____

Received By: *John Michael* Date: 5/2/24 Time: 1515
Received By: _____ Date: _____ Time: _____

Turnaround Time: Same Day ☐ 24 Hr ☐ 48 Hr ☐ 72 Hr ☒ Standard

Temp Received: 4 Date Results Needed: 4

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Origins Laboratory, Inc.

J. Bynon

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

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page 2 of 3

ORIGINS
LABORATORY, INC

Client: Eagle Environmental Consulting
Address: 8000 W 44th Ave
Wheat Ridge, CO 80033
Telephone Number: 303-433-0479
Email Address: andrewnewberry@eagle-environment.com

Project Manager: Andrew Newberry
Project Name: LOUSTELET T5N-R64W-S15 L01 Tank Battery
Project Number:
Samples Collected By: ZM/IM

1725 Elk Place | Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Sample ID Description	Date Sampled	Time Sampled	# of Containers				Preservative				Matrix			Analysis			Sample Instructions
			Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa #	Other							
SB-05034	5/1/24	1420	1	X				X						X			pH = saturated
SB-01045	5/1/24	1425	1														paste prep
SB-02045	5/2/24	1110	1														
SB-03045	5/2/24	1130	1														
SB-04045	5/1/24	140	1														DNDS added
SB-05045	5/1/24	1420	1														
Background-02015-S	5/2/24	1147	2										X	X			
Background-03015-S		1212	1														
Background-04015-S		1227	1														
Background-05015-S		1243	1														
Relinquished By: [Signature]	Date: 5/2/24	Time: 1515	Received By: [Signature]	Date: 5/2/24	Time: 1515	Received By: [Signature]	Date: 5/2/24	Time: 1515	Received By: [Signature]	Date: 5/2/24	Time: 1515	Received By: [Signature]	Date: 5/2/24	Time: 1515	Received By: [Signature]	Date: 5/2/24	Time: 1515
Relinquished By: [Signature]	Date: 5/2/24	Time: 1515	Received By: [Signature]	Date: 5/2/24	Time: 1515	Received By: [Signature]	Date: 5/2/24	Time: 1515	Received By: [Signature]	Date: 5/2/24	Time: 1515	Received By: [Signature]	Date: 5/2/24	Time: 1515	Received By: [Signature]	Date: 5/2/24	Time: 1515

Temp Received: 4 Date Results Needed: Note

Origins Laboratory, Inc.

Bynon

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

Origins Laboratory F-012207-01-R1
Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: 1405002

Client: Eagle

Client Project ID: Loustelet TSN

Checklist Completed by: SA

Shipped Via: HO
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Airbill #: N/A

Date/time completed: 5/2/24

Matrix(s) Received: (Check all that apply): / Soil/Solid / Water / Other: / (Describe)

Cooler Number/Temperature: 1/4 °C / °C / °C / °C

Thermometer ID: T005

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<u>/</u>			
Is there ice present (document if blue ice is used)	<u>/</u>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<u>/</u>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<u>/</u>		
Were all samples received intact ⁽¹⁾ ?	<u>/</u>			
Was adequate sample volume provided ⁽¹⁾ ?	<u>/</u>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<u>/</u>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<u>/</u>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<u>/</u>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<u>/</u>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<u>/</u>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			<u>/</u>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)			<u>/</u>	
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) JB

Date/Time Reviewed 5/16/24

Origins Laboratory, Inc.

JB

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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-01@2-4'
5/1/2024 10:56:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-01 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	3730	25.0	mg/kg	1	B4E0701	05/07/2024	05/09/2024
Residual Range Organics (C28-C40)	829	100	"	"	"	"	"

Surrogate: o-Terphenyl	165 %	50-150	"	"	"	"	S-04
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	8.33	0.0500	mg/kg	25	B4E0628	05/06/2024	05/07/2024
1,3,5-Trimethylbenzene	3.12	0.0500	"	"	"	"	"
Benzene	0.00466	0.00200	"	1	"	"	05/09/2024
Ethylbenzene	0.887	0.0500	"	25	"	"	05/07/2024
Naphthalene	0.0257	0.00380	"	1	"	"	05/09/2024
Toluene	0.0235	0.00200	"	"	"	"	"
Xylenes, total	14.1	0.0500	"	25	"	"	05/07/2024
Gasoline Range Hydrocarbons	1900	50.0	"	250	"	"	05/10/2024

Surrogate: 1,2-Dichloroethane-d4	91.2 %	70-130	"	"	"	05/07/2024
Surrogate: Toluene-d8	118 %	70-130	"	"	"	"
Surrogate: 4-Bromofluorobenzene	98.1 %	70-130	"	"	"	"

PAH by EPA 8270E

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-01@2-4'
5/1/2024 10:56:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-01 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	1.31	0.020	mg/kg	10	B4E0630	05/06/2024	05/07/2024	
2-Methylnaphthalene	1.63	0.020	"	"	"	"	"	
Acenaphthene	0.506	0.020	"	1	"	"	05/07/2024	
Anthracene	0.057	0.020	"	"	"	"	"	
Benzo (a) anthracene	ND	0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	Ua
Chrysene	0.047	0.020	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	Ua
Fluoranthene	ND	0.020	"	"	"	"	"	Ua
Fluorene	0.683	0.020	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	Ua
Pyrene	0.042	0.020	"	"	"	"	"	

Surrogate: Fluorene-d10	98.9 %	60-130	"	"	"
Surrogate: Anthracene-d10	94.0 %	60-130	"	"	"
Surrogate: Pyrene-d10	82.5 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	105 %	60-130	"	"	"

pH in Soil by 9045D

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-01@2-4'
5/1/2024 10:56:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-01 (Soil)

pH in Soil by 9045D

pH	7.22		pH Units	1	B4E1421	05/14/2024	05/14/2024
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Table 915 metals by EPA 6020B

Arsenic	1.04	0.258	mg/kg	10	B4E0327	05/03/2024	05/06/2024
Barium	21.4	8.90	"	"	"	"	"
Cadmium	ND	0.0890	"	"	"	"	"
Copper	ND	8.90	"	"	"	"	"
Lead	2.22	0.890	"	"	"	"	"
Nickel	2.09	0.890	"	"	"	"	"
Selenium	ND	0.231	"	"	"	"	"
Silver	ND	0.0890	"	"	"	"	05/07/2024
Zinc	ND	32.9	"	"	"	"	05/06/2024

Total Metals by 7196A

Hexavalent Chromium	ND	0.127	0.317	mg/kg dry	1	2617731	05/28/2024	05/29/2024	U
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-02@2-4'

5/1/2024 1:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-02 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4E0701	05/07/2024	05/09/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl 93.7 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4E0628	05/06/2024	05/07/2024	Ua
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	Ua
Benzene	ND	0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND	0.00200	"	"	"	"	"	Ua
Naphthalene	ND	0.00380	"	"	"	"	"	Ua
Toluene	ND	0.00200	"	"	"	"	"	Ua
Xylenes, total	ND	0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4 98.7 % 70-130 " " "
Surrogate: Toluene-d8 96.8 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 107 % 70-130 " " "

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-02@2-4'

5/1/2024 1:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-02 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4E0630	05/06/2024	05/07/2024	Ua
2-Methylnaphthalene	ND	0.002	"	"	"	"	"	Ua
Acenaphthene	ND	0.020	"	"	"	"	"	Ua
Anthracene	ND	0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND	0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	Ua
Chrysene	ND	0.020	"	"	"	"	"	Ua
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	Ua
Fluoranthene	ND	0.020	"	"	"	"	"	Ua
Fluorene	ND	0.020	"	"	"	"	"	Ua
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	Ua
Pyrene	ND	0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	106 %	60-130	"	"	"
Surrogate: Anthracene-d10	93.5 %	60-130	"	"	"
Surrogate: Pyrene-d10	91.6 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	100 %	60-130	"	"	"

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-02@2-4'

5/1/2024 1:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-02 (Soil)

pH in Soil by 9045D

pH	7.88		pH Units	1	B4E1421	05/14/2024	05/14/2024
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Table 915 metals by EPA 6020B

Arsenic	4.35	0.270	mg/kg	10	B4E0327	05/03/2024	05/06/2024
Barium	146	9.32	"	"	"	"	"
Cadmium	0.151	0.0932	"	"	"	"	"
Copper	13.6	9.32	"	"	"	"	"
Lead	10.1	0.932	"	"	"	"	"
Nickel	12.5	0.932	"	"	"	"	"
Selenium	ND	0.242	"	"	"	"	"
Silver	ND	0.0932	"	"	"	"	05/07/2024
Zinc	52.7	34.5	"	"	"	"	05/06/2024

Total Metals by 7196A

Hexavalent Chromium	ND	0.185	0.461	mg/kg dry	1	2617731	05/28/2024	05/29/2024	U
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-03@2-4'
5/1/2024 11:27:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-03 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4E0701	05/07/2024	05/09/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl 88.1 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4E0628	05/06/2024	05/07/2024	Ua
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	Ua
Benzene	ND	0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND	0.00200	"	"	"	"	"	Ua
Naphthalene	ND	0.00380	"	"	"	"	"	Ua
Toluene	ND	0.00200	"	"	"	"	"	Ua
Xylenes, total	ND	0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4 97.7 % 70-130 " " "
Surrogate: Toluene-d8 97.4 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 107 % 70-130 " " "

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-03@2-4'
5/1/2024 11:27:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-03 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4E0630	05/06/2024	05/07/2024	Ua
2-Methylnaphthalene	ND	0.002	"	"	"	"	"	Ua
Acenaphthene	ND	0.020	"	"	"	"	"	Ua
Anthracene	ND	0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND	0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	Ua
Chrysene	ND	0.020	"	"	"	"	"	Ua
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	Ua
Fluoranthene	ND	0.020	"	"	"	"	"	Ua
Fluorene	ND	0.020	"	"	"	"	"	Ua
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	Ua
Pyrene	ND	0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	105 %	60-130	"	"	"
Surrogate: Anthracene-d10	91.1 %	60-130	"	"	"
Surrogate: Pyrene-d10	96.2 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	102 %	60-130	"	"	"

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-03@2-4'
5/1/2024 11:27:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-03 (Soil)

pH in Soil by 9045D

pH	7.89		pH Units	1	B4E1421	05/14/2024	05/14/2024
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Table 915 metals by EPA 6020B

Arsenic	3.30	0.251	mg/kg	10	B4E0327	05/03/2024	05/06/2024
Barium	380	8.66	"	"	"	"	"
Cadmium	ND	0.0866	"	"	"	"	"
Copper	16.1	8.66	"	"	"	"	"
Lead	12.3	0.866	"	"	"	"	"
Nickel	16.1	0.866	"	"	"	"	"
Selenium	0.312	0.225	"	"	"	"	"
Silver	ND	0.0866	"	"	"	"	05/07/2024
Zinc	66.1	32.0	"	"	"	"	05/06/2024

Total Metals by 7196A

Hexavalent Chromium	ND	0.177	0.443	mg/kg dry	1	2617731	05/28/2024	05/29/2024	U
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-04@2-4'

5/1/2024 11:46:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-04 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4E0701	05/07/2024	05/09/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl 89.1 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4E0628	05/06/2024	05/07/2024	Ua
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	Ua
Benzene	ND	0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND	0.00200	"	"	"	"	"	Ua
Naphthalene	ND	0.00380	"	"	"	"	"	Ua
Toluene	ND	0.00200	"	"	"	"	"	Ua
Xylenes, total	ND	0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4 97.9 % 70-130 " " "
Surrogate: Toluene-d8 97.5 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 106 % 70-130 " " "

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-04@2-4'

5/1/2024 11:46:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-04 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4E0630	05/06/2024	05/07/2024	Ua
2-Methylnaphthalene	ND	0.002	"	"	"	"	"	Ua
Acenaphthene	ND	0.020	"	"	"	"	"	Ua
Anthracene	ND	0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND	0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	Ua
Chrysene	ND	0.020	"	"	"	"	"	Ua
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	Ua
Fluoranthene	ND	0.020	"	"	"	"	"	Ua
Fluorene	ND	0.020	"	"	"	"	"	Ua
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	Ua
Pyrene	ND	0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	105 %	60-130	"	"	"
Surrogate: Anthracene-d10	93.3 %	60-130	"	"	"
Surrogate: Pyrene-d10	97.3 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	103 %	60-130	"	"	"

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-04@2-4'
5/1/2024 11:46:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-04 (Soil)

pH in Soil by 9045D

pH	8.00		pH Units	1	B4E1421	05/14/2024	05/14/2024
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Table 915 metals by EPA 6020B

Arsenic	2.04	0.248	mg/kg	10	B4E0327	05/03/2024	05/06/2024
Barium	107	8.54	"	"	"	"	"
Cadmium	0.0922	0.0854	"	"	"	"	"
Copper	ND	8.54	"	"	"	"	"
Lead	7.11	0.854	"	"	"	"	"
Nickel	8.74	0.854	"	"	"	"	"
Selenium	ND	0.222	"	"	"	"	"
Silver	ND	0.0854	"	"	"	"	05/07/2024
Zinc	42.7	31.6	"	"	"	"	05/06/2024

Total Metals by 7196A

Hexavalent Chromium	ND	0.135	0.336	mg/kg dry	1	2617731	05/28/2024	05/29/2024	U
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-05@2-4'
5/1/2024 12:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-05 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4E0701	05/07/2024	05/09/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl 96.8 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4E0628	05/06/2024	05/07/2024	Ua
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	Ua
Benzene	ND	0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND	0.00200	"	"	"	"	"	Ua
Naphthalene	ND	0.00380	"	"	"	"	"	Ua
Toluene	ND	0.00200	"	"	"	"	"	Ua
Xylenes, total	ND	0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4 103 % 70-130 " " "
Surrogate: Toluene-d8 96.3 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 106 % 70-130 " " "

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-05@2-4'

5/1/2024 12:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-05 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4E0630	05/06/2024	05/07/2024	Ua
2-Methylnaphthalene	ND	0.002	"	"	"	"	"	Ua
Acenaphthene	ND	0.020	"	"	"	"	"	Ua
Anthracene	ND	0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND	0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	Ua
Chrysene	ND	0.020	"	"	"	"	"	Ua
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	Ua
Fluoranthene	ND	0.020	"	"	"	"	"	Ua
Fluorene	ND	0.020	"	"	"	"	"	Ua
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	Ua
Pyrene	ND	0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	105 %	60-130	"	"	"
Surrogate: Anthracene-d10	92.4 %	60-130	"	"	"
Surrogate: Pyrene-d10	95.8 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	102 %	60-130	"	"	"

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-05@2-4'
5/1/2024 12:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-05 (Soil)

pH in Soil by 9045D

pH	7.99		pH Units	1	B4E1421	05/14/2024	05/14/2024
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Table 915 metals by EPA 6020B

Arsenic	3.00	0.242	mg/kg	10	B4E0327	05/03/2024	05/06/2024
Barium	239	8.36	"	"	"	"	"
Cadmium	0.125	0.0836	"	"	"	"	"
Copper	14.9	8.36	"	"	"	"	"
Lead	10.6	0.836	"	"	"	"	"
Nickel	13.0	0.836	"	"	"	"	"
Selenium	0.362	0.217	"	"	"	"	"
Silver	ND	0.0836	"	"	"	"	05/07/2024
Zinc	56.1	30.9	"	"	"	"	05/06/2024

Total Metals by 7196A

Hexavalent Chromium	ND	0.186	0.465	mg/kg dry	1	2617731	05/28/2024	05/29/2024	U
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-06@2-4'

5/1/2024 12:37:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-06 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4E0701	05/07/2024	05/09/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl 91.2 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4E0628	05/06/2024	05/07/2024	Ua
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	Ua
Benzene	ND	0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND	0.00200	"	"	"	"	"	Ua
Naphthalene	ND	0.00380	"	"	"	"	"	Ua
Toluene	ND	0.00200	"	"	"	"	"	Ua
Xylenes, total	ND	0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4 101 % 70-130 " " "
Surrogate: Toluene-d8 95.5 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 106 % 70-130 " " "

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-06@2-4'
5/1/2024 12:37:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-06 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4E0630	05/06/2024	05/07/2024	Ua
2-Methylnaphthalene	ND	0.002	"	"	"	"	"	Ua
Acenaphthene	ND	0.020	"	"	"	"	"	Ua
Anthracene	ND	0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND	0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	Ua
Chrysene	ND	0.020	"	"	"	"	"	Ua
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	Ua
Fluoranthene	ND	0.020	"	"	"	"	"	Ua
Fluorene	ND	0.020	"	"	"	"	"	Ua
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	Ua
Pyrene	ND	0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	105 %	60-130	"	"	"
Surrogate: Anthracene-d10	93.7 %	60-130	"	"	"
Surrogate: Pyrene-d10	97.8 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	106 %	60-130	"	"	"

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-06@2-4'
5/1/2024 12:37:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-06 (Soil)

pH in Soil by 9045D

pH	8.18		pH Units	1	B4E1421	05/14/2024	05/14/2024
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Table 915 metals by EPA 6020B

Arsenic	3.71	0.249	mg/kg	10	B4E0327	05/03/2024	05/06/2024
Barium	88.1	8.57	"	"	"	"	"
Cadmium	0.213	0.0857	"	"	"	"	"
Copper	11.7	8.57	"	"	"	"	"
Lead	10.4	0.857	"	"	"	"	"
Nickel	7.68	0.857	"	"	"	"	"
Selenium	0.332	0.223	"	"	"	"	"
Silver	ND	0.0857	"	"	"	"	05/07/2024
Zinc	45.2	31.7	"	"	"	"	05/06/2024

Total Metals by 7196A

Hexavalent Chromium	ND	0.165	0.412	mg/kg dry	1	2617731	05/28/2024	05/29/2024	U
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

SB-01@3-4'

5/1/2024 2:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-07 (Soil)

pH in Soil by 9045D

pH	8.14		pH Units	1	B4E1421	05/14/2024	05/14/2024
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

SB-02@3-4'

5/2/2024 11:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-08 (Soil)

pH in Soil by 9045D

pH	8.19		pH Units	1	B4E1421	05/14/2024	05/14/2024
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

SB-03@3-4'

5/2/2024 11:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-09 (Soil)

pH in Soil by 9045D

pH	8.18			pH Units	1	B4E1421	05/14/2024	05/14/2024	
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

SB-04@3-4'

5/2/2024 2:12:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-10 (Soil)

pH in Soil by 9045D

pH	8.40			pH Units	1	B4E1421	05/14/2024	05/14/2024	
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

SB-05@3-4'

5/1/2024 2:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-11 (Soil)

pH in Soil by 9045D

pH	8.26		pH Units	1	B4E1421	05/14/2024	05/14/2024
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

SB-01@4-5'

5/1/2024 2:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-12 (Soil)

pH in Soil by 9045D

pH	8.30			pH Units	1	B4E1421	05/14/2024	05/14/2024	
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

SB-02@4-5'

5/2/2024 11:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-13 (Soil)

pH in Soil by 9045D

pH	8.27			pH Units	1	B4E1421	05/14/2024	05/14/2024	
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

SB-03@4-5'

5/2/2024 11:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-14 (Soil)

pH in Soil by 9045D

pH	8.36		pH Units	1	B4E1421	05/14/2024	05/14/2024
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

SB-04@4-5'

5/1/2024 2:12:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-15 (Soil)

pH in Soil by 9045D

pH	7.76			pH Units	1	B4E1421	05/14/2024	05/14/2024	
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

SB-05@4-5'

5/1/2024 2:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405082-16 (Soil)

pH in Soil by 9045D

pH	8.33			pH Units	1	B4E1421	05/14/2024	05/14/2024	
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

Background-02@2.5-5'

5/2/2024 11:47:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y405082-17 (Soil)

pH in Soil by 9045D

pH	8.35		pH Units	1	B4E1421	05/14/2024	05/14/2024
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Table 915 metals by EPA 6020B

Arsenic	1.62	0.275	mg/kg	10	B4E0327	05/03/2024	05/06/2024
Barium	56.0	9.48	"	"	"	"	"
Cadmium	ND	0.0948	"	"	"	"	"
Copper	ND	9.48	"	"	"	"	"
Lead	4.56	0.948	"	"	"	"	"
Nickel	6.36	0.948	"	"	"	"	"
Selenium	ND	0.246	"	"	"	"	"
Silver	ND	0.0948	"	"	"	"	05/07/2024
Zinc	ND	35.1	"	"	"	"	05/06/2024

Total Metals by 7196A

Hexavalent Chromium	ND	0.120	0.300	mg/kg dry	1	2617731	05/28/2024	05/29/2024	U
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

Background-03@2.5-5'

5/2/2024 12:12:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y405082-18 (Soil)

pH in Soil by 9045D

pH	8.38		pH Units	1	B4E1421	05/14/2024	05/14/2024
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Table 915 metals by EPA 6020B

Arsenic	1.05	0.262	mg/kg	10	B4E0327	05/03/2024	05/06/2024
Barium	34.7	9.03	"	"	"	"	"
Cadmium	ND	0.0903	"	"	"	"	"
Copper	ND	9.03	"	"	"	"	"
Lead	3.18	0.903	"	"	"	"	"
Nickel	3.49	0.903	"	"	"	"	"
Selenium	ND	0.235	"	"	"	"	"
Silver	ND	0.0903	"	"	"	"	05/07/2024
Zinc	ND	33.4	"	"	"	"	05/06/2024

Total Metals by 7196A

Hexavalent Chromium	ND	0.156	0.391	mg/kg dry	1	2617731	05/28/2024	05/29/2024	U
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

Background-04@2.5-5'

5/2/2024 12:27:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y405082-19 (Soil)

pH in Soil by 9045D

pH	8.45		pH Units	1	B4E1421	05/14/2024	05/14/2024
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Table 915 metals by EPA 6020B

Arsenic	1.37	0.245	mg/kg	10	B4E0327	05/03/2024	05/06/2024
Barium	109	8.45	"	"	"	"	"
Cadmium	0.146	0.0845	"	"	"	"	"
Copper	ND	8.45	"	"	"	"	"
Lead	6.19	0.845	"	"	"	"	"
Nickel	6.98	0.845	"	"	"	"	"
Selenium	ND	0.220	"	"	"	"	"
Silver	ND	0.0845	"	"	"	"	05/07/2024
Zinc	32.7	31.3	"	"	"	"	05/06/2024

Total Metals by 7196A

Hexavalent Chromium	ND	0.157	0.392	mg/kg dry	1	2617731	05/28/2024	05/29/2024	U
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

Background-05@2.5-5'

5/2/2024 12:43:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y405082-20 (Soil)

pH in Soil by 9045D

pH	8.58		pH Units	1	B4E1421	05/14/2024	05/14/2024
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Table 915 metals by EPA 6020B

Arsenic	2.07	0.257	mg/kg	10	B4E0327	05/03/2024	05/06/2024
Barium	97.9	8.86	"	"	"	"	"
Cadmium	ND	0.0886	"	"	"	"	"
Copper	ND	8.86	"	"	"	"	"
Lead	6.95	0.886	"	"	"	"	"
Nickel	8.89	0.886	"	"	"	"	"
Selenium	ND	0.230	"	"	"	"	"
Silver	ND	0.0886	"	"	"	"	05/07/2024
Zinc	35.9	32.8	"	"	"	"	05/06/2024

Total Metals by 7196A

Hexavalent Chromium	ND	0.192	0.480	mg/kg dry	1	2617731	05/28/2024	05/29/2024	U
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8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

Background-06@2.5-5'

5/2/2024 11:57:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y405082-21 (Soil)

pH in Soil by 9045D

pH	8.49		pH Units	1	B4E1422	05/14/2024	05/14/2024
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Table 915 metals by EPA 6020B

Arsenic	1.41	0.254	mg/kg	10	B4E0327	05/03/2024	05/06/2024
Barium	76.3	8.76	"	"	"	"	"
Cadmium	ND	0.0876	"	"	"	"	"
Copper	ND	8.76	"	"	"	"	"
Lead	5.54	0.876	"	"	"	"	"
Nickel	6.33	0.876	"	"	"	"	"
Selenium	ND	0.228	"	"	"	"	"
Silver	ND	0.0876	"	"	"	"	05/07/2024
Zinc	ND	32.4	"	"	"	"	05/06/2024

Total Metals by 7196A

Hexavalent Chromium	ND	0.163	0.406	mg/kg dry	1	2617731	05/28/2024	05/29/2024	U
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Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4E0628 - EPA 5030 (soil)										
Blank (B4E0628-BLK1)					Prepared: 05/06/2024 Analyzed: 05/07/2024					
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							Ua
1,3,5-Trimethylbenzene	ND	0.00200	"							Ua
Benzene	ND	0.00200	"							Ua
Ethylbenzene	ND	0.00200	"							Ua
Naphthalene	ND	0.00380	"							Ua
Toluene	ND	0.00200	"							Ua
Xylenes, total	ND	0.00200	"							Ua
Gasoline Range Hydrocarbons	ND	0.200	"							Ua
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		99.2	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		107	70-130			

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Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4E0628 - EPA 5030 (soil)										
LCS (B4E0628-BS1)					Prepared: 05/06/2024 Analyzed: 05/07/2024					
1,2,4-Trimethylbenzene	0.0949	0.00200	mg/kg	0.100		94.9	70-130			
1,3,5-Trimethylbenzene	0.0973	0.00200	"	0.100		97.3	70-130			
Benzene	0.0978	0.00200	"	0.100		97.8	70-130			
Ethylbenzene	0.0940	0.00200	"	0.100		94.0	70-130			
Naphthalene	0.110	0.00380	"	0.100		110	70-130			
Toluene	0.0965	0.00200	"	0.100		96.5	70-130			
o-Xylene	0.0929	0.00200	"	0.100		92.9	70-130			
m,p-Xylene	0.186	0.00400	"	0.200		93.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		98.2	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		95.9	70-130			

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Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4E0628 - EPA 5030 (soil)

Matrix Spike (B4E0628-MS1)		Source: Y405082-02			Prepared: 05/06/2024 Analyzed: 05/07/2024					
1,2,4-Trimethylbenzene	0.116	0.00200	mg/kg	0.100	ND	116	70-130			
1,3,5-Trimethylbenzene	0.115	0.00200	"	0.100	ND	115	70-130			
Benzene	0.117	0.00200	"	0.100	ND	117	70-130			
Ethylbenzene	0.115	0.00200	"	0.100	ND	115	70-130			
Naphthalene	0.127	0.00380	"	0.100	ND	127	70-130			
Toluene	0.112	0.00200	"	0.100	ND	112	70-130			
o-Xylene	0.116	0.00200	"	0.100	ND	116	70-130			
m,p-Xylene	0.229	0.00400	"	0.200	0.000820	114	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		96.2	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		104	70-130			

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Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4E0628 - EPA 5030 (soil)										
Matrix Spike Dup (B4E0628-MSD1)			Source: Y405082-02		Prepared: 05/06/2024 Analyzed: 05/07/2024					
1,2,4-Trimethylbenzene	0.117	0.00200	mg/kg	0.100	ND	117	70-130	1.05	20	
1,3,5-Trimethylbenzene	0.116	0.00200	"	0.100	ND	116	70-130	1.02	20	
Benzene	0.119	0.00200	"	0.100	ND	119	70-130	1.69	20	
Ethylbenzene	0.116	0.00200	"	0.100	ND	116	70-130	0.622	20	
Naphthalene	0.134	0.00380	"	0.100	ND	134	70-130	5.43	20	QM-07
Toluene	0.113	0.00200	"	0.100	ND	113	70-130	0.569	20	
o-Xylene	0.117	0.00200	"	0.100	ND	117	70-130	0.704	20	
m,p-Xylene	0.229	0.00400	"	0.200	0.000820	114	70-130	0.192	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		95.3	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		103	70-130			

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Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4E0701 - EPA 3550B										
Blank (B4E0701-BLK1)					Prepared: 05/07/2024 Analyzed: 05/09/2024					
Diesel (C10-C28)	ND	25.0	mg/kg							Ua
Residual Range Organics (C28-C40)	ND	100	"							Ua
Surrogate: o-Terphenyl	23		"	24.9		91.3	50-150			

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Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

Extractable Petroleum Hydrocarbons by 8015D - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4E0701 - EPA 3550B

LCS (B4E0701-BS1)

Prepared: 05/07/2024 Analyzed: 05/09/2024

Diesel (C10-C28)	980	50.0	mg/kg	1000		98.0	70-130			
Residual Range Organics (C28-C40)	978	200	"	1000		97.8	70-130			
Surrogate: o-Terphenyl	58		"	49.8		117	50-150			

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Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

Extractable Petroleum Hydrocarbons by 8015D - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4E0701 - EPA 3550B										
Matrix Spike (B4E0701-MS1)			Source: Y405082-01			Prepared: 05/07/2024 Analyzed: 05/09/2024				
Diesel (C10-C28)	3860	50.0	mg/kg	1000	3730	12.7	70-130			QM-07
Residual Range Organics (C28-C40)	1400	200	"	1000	829	57.4	70-130			QM-07
Surrogate: o-Terphenyl	83		"	49.8		166	50-150			S-04

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Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

Extractable Petroleum Hydrocarbons by 8015D - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4E0701 - EPA 3550B										
Matrix Spike Dup (B4E0701-MSD1)			Source: Y405082-01		Prepared: 05/07/2024 Analyzed: 05/09/2024					
Diesel (C10-C28)	4530	50.0	mg/kg	1000	3730	80.0	70-130	16.0	35	
Residual Range Organics (C28-C40)	1520	200	"	1000	829	69.4	70-130	8.21	35	QM-07
Surrogate: o-Terphenyl	64		"	49.8		129	50-150			

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Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

Extractable Petroleum Hydrocarbons by 8015D - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Metals by EPA 6000/7000 Series Methods - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4E0327 - EPA 3050B

Blank (B4E0327-BLK1)

Prepared: 05/03/2024 Analyzed: 05/06/2024

Arsenic	ND	0.290	mg/kg
Barium	ND	10.0	"
Cadmium	ND	0.100	"
Copper	ND	10.0	"
Lead	ND	1.00	"
Nickel	ND	1.00	"
Selenium	ND	0.260	"
Silver	ND	0.100	"
Zinc	ND	37.0	"

LCS (B4E0327-BS1)

Prepared: 05/03/2024 Analyzed: 05/06/2024

Arsenic	5.32	0.290	mg/kg	5.00	106	80-120
Barium	538	10.0	"	500	108	80-120
Cadmium	5.20	0.100	"	5.00	104	80-120
Copper	53.3	10.0	"	50.0	107	80-120
Lead	5.16	1.00	"	5.00	103	80-120
Nickel	5.22	1.00	"	5.00	104	80-120
Selenium	9.36	0.260	"	9.50	98.6	80-120
Silver	5.40	0.100	"	5.00	108	80-120
Zinc	51.8	37.0	"	50.0	104	80-120

Matrix Spike (B4E0327-MS1)

Source: Y405082-02

Prepared: 05/03/2024 Analyzed: 05/06/2024

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Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

Metals by EPA 6000/7000 Series Methods - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4E0327 - EPA 3050B										
Matrix Spike (B4E0327-MS1)			Source: Y405082-02		Prepared: 05/03/2024 Analyzed: 05/06/2024					
Arsenic	8.80	0.272	mg/kg	4.68	4.35	95.0	75-125			
Barium	647	9.37	"	468	146	107	75-125			
Cadmium	4.91	0.0937	"	4.68	0.151	102	75-125			
Copper	62.3	9.37	"	46.8	13.6	104	75-125			
Lead	14.2	0.937	"	4.68	10.1	88.9	75-125			
Nickel	16.8	0.937	"	4.68	12.5	90.6	75-125			
Selenium	8.52	0.244	"	8.90	0.195	93.6	75-125			
Silver	4.93	0.0937	"	4.68	0.0112	105	75-125			
Zinc	99.4	34.7	"	46.8	52.7	99.7	75-125			
Matrix Spike Dup (B4E0327-MSD1)			Source: Y405082-02		Prepared: 05/03/2024 Analyzed: 05/06/2024					
Arsenic	8.19	0.246	mg/kg	4.24	4.35	90.7	75-125	7.16	20	
Barium	663	8.47	"	424	146	122	75-125	2.57	20	
Cadmium	4.76	0.0847	"	4.24	0.151	109	75-125	3.07	20	
Copper	56.5	8.47	"	42.4	13.6	101	75-125	9.79	20	
Lead	14.4	0.847	"	4.24	10.1	102	75-125	1.23	20	
Nickel	16.5	0.847	"	4.24	12.5	93.1	75-125	1.81	20	
Selenium	7.25	0.220	"	8.05	0.195	87.6	75-125	16.1	20	
Silver	4.71	0.0847	"	4.24	0.0112	111	75-125	4.42	20	
Zinc	92.6	31.4	"	42.4	52.7	94.2	75-125	7.03	20	

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Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4E0630 - EPA 3580

Blank (B4E0630-BLK1)

Prepared: 05/06/2024 Analyzed: 05/07/2024

1-Methylnaphthalene	ND	0.002	mg/kg							Ua
2-Methylnaphthalene	ND	0.002	"							Ua
Acenaphthene	ND	0.020	"							Ua
Anthracene	ND	0.020	"							Ua
Benzo (a) anthracene	ND	0.005	"							Ua
Benzo (a) pyrene	ND	0.020	"							Ua
Benzo (b) fluoranthene	ND	0.020	"							Ua
Benzo (g,h,i) perylene	ND	0.020	"							Ua
Benzo (k) fluoranthene	ND	0.020	"							Ua
Chrysene	ND	0.020	"							Ua
Dibenz (a,h) anthracene	ND	0.020	"							Ua
Fluoranthene	ND	0.020	"							Ua
Fluorene	ND	0.020	"							Ua
Indeno (1,2,3-cd) pyrene	ND	0.020	"							Ua
Naphthalene	ND	0.002	"							Ua
Phenanthrene	ND	0.020	"							Ua
Pyrene	ND	0.020	"							Ua
Surrogate: Fluorene-d10	210		ug/kg	200		104	60-130			
Surrogate: Anthracene-d10	190		"	200		93.9	60-130			
Surrogate: Pyrene-d10	200		"	200		99.0	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		106	60-130			

LCS (B4E0630-BS1)

Prepared: 05/06/2024 Analyzed: 05/07/2024

1-Methylnaphthalene	0.215	0.002	mg/kg	0.200		108	70-130			
2-Methylnaphthalene	0.214	0.002	"	0.200		107	70-130			
Acenaphthene	0.222	0.020	"	0.200		111	70-130			
Anthracene	0.205	0.020	"	0.200		103	70-130			

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Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4E0630 - EPA 3580

LCS (B4E0630-BS1)

Prepared: 05/06/2024 Analyzed: 05/07/2024

Benzo (a) anthracene	0.208	0.005	mg/kg	0.200		104	70-130			
Benzo (a) pyrene	0.207	0.020	"	0.200		104	70-130			
Benzo (b) fluoranthene	0.214	0.020	"	0.200		107	70-130			
Benzo (g,h,i) perylene	0.205	0.020	"	0.200		103	70-130			
Benzo (k) fluoranthene	0.190	0.020	"	0.200		94.9	70-130			
Chrysene	0.216	0.020	"	0.200		108	70-130			
Dibenz (a,h) anthracene	0.229	0.020	"	0.200		114	70-130			
Fluoranthene	0.203	0.020	"	0.200		101	70-130			
Fluorene	0.235	0.020	"	0.200		117	70-130			
Indeno (1,2,3-cd) pyrene	0.206	0.020	"	0.200		103	70-130			
Naphthalene	0.223	0.002	"	0.200		111	70-130			
Phenanthrene	0.213	0.020	"	0.200		107	70-130			
Pyrene	0.201	0.020	"	0.200		101	70-130			
Surrogate: Fluorene-d10	210		ug/kg	200		105	60-130			
Surrogate: Anthracene-d10	190		"	200		94.1	60-130			
Surrogate: Pyrene-d10	190		"	200		95.0	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130			

Matrix Spike (B4E0630-MS1)

Source: Y405046-01

Prepared: 05/06/2024 Analyzed: 05/07/2024

1-Methylnaphthalene	0.212	0.002	mg/kg	0.200	ND	106	70-130			
2-Methylnaphthalene	0.212	0.002	"	0.200	ND	106	70-130			
Acenaphthene	0.218	0.020	"	0.200	ND	109	70-130			
Anthracene	0.200	0.020	"	0.200	0.001	99.3	70-130			
Benzo (a) anthracene	0.215	0.005	"	0.200	ND	107	70-130			
Benzo (a) pyrene	0.206	0.020	"	0.200	ND	103	70-130			
Benzo (b) fluoranthene	0.189	0.020	"	0.200	ND	94.6	70-130			
Benzo (g,h,i) perylene	0.216	0.020	"	0.200	0.0007	108	70-130			

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Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4E0630 - EPA 3580

Matrix Spike (B4E0630-MS1)		Source: Y405046-01			Prepared: 05/06/2024 Analyzed: 05/07/2024					
Benzo (k) fluoranthene	0.185	0.020	mg/kg	0.200	0.0006	92.4	70-130			
Chrysene	0.205	0.020	"	0.200	0.0006	102	70-130			
Dibenz (a,h) anthracene	0.223	0.020	"	0.200	ND	111	70-130			
Fluoranthene	0.198	0.020	"	0.200	0.0006	98.8	70-130			
Fluorene	0.231	0.020	"	0.200	ND	116	70-130			
Indeno (1,2,3-cd) pyrene	0.220	0.020	"	0.200	0.002	109	70-130			
Naphthalene	0.221	0.002	"	0.200	ND	110	70-130			
Phenanthrene	0.209	0.020	"	0.200	ND	104	70-130			
Pyrene	0.196	0.020	"	0.200	0.0006	97.9	70-130			
Surrogate: Fluorene-d10	210		ug/kg	200		106	60-130			
Surrogate: Anthracene-d10	190		"	200		92.7	60-130			
Surrogate: Pyrene-d10	190		"	200		93.3	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130			

Matrix Spike Dup (B4E0630-MSD1)		Source: Y405046-01			Prepared: 05/06/2024 Analyzed: 05/07/2024					
1-Methylnaphthalene	0.210	0.002	mg/kg	0.200	ND	105	70-130	0.981	20	
2-Methylnaphthalene	0.210	0.002	"	0.200	ND	105	70-130	1.11	20	
Acenaphthene	0.217	0.020	"	0.200	ND	109	70-130	0.325	20	
Anthracene	0.202	0.020	"	0.200	0.001	100	70-130	1.03	20	
Benzo (a) anthracene	0.213	0.005	"	0.200	ND	107	70-130	0.653	20	
Benzo (a) pyrene	0.202	0.020	"	0.200	ND	101	70-130	1.80	20	
Benzo (b) fluoranthene	0.182	0.020	"	0.200	ND	91.2	70-130	3.63	20	
Benzo (g,h,i) perylene	0.207	0.020	"	0.200	0.0007	103	70-130	3.99	20	
Benzo (k) fluoranthene	0.167	0.020	"	0.200	0.0006	83.3	70-130	10.4	20	
Chrysene	0.214	0.020	"	0.200	0.0006	107	70-130	4.32	20	
Dibenz (a,h) anthracene	0.219	0.020	"	0.200	ND	109	70-130	1.71	20	
Fluoranthene	0.199	0.020	"	0.200	0.0006	99.4	70-130	0.606	20	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B4E0630 - EPA 3580

Matrix Spike Dup (B4E0630-MSD1)		Source: Y405046-01			Prepared: 05/06/2024 Analyzed: 05/07/2024					
Fluorene	0.225	0.020	mg/kg	0.200	ND	112	70-130	2.96	20	
Indeno (1,2,3-cd) pyrene	0.222	0.020	"	0.200	0.002	110	70-130	0.866	20	
Naphthalene	0.217	0.002	"	0.200	ND	109	70-130	1.43	20	
Phenanthrene	0.208	0.020	"	0.200	ND	104	70-130	0.167	20	
Pyrene	0.193	0.020	"	0.200	0.0006	96.1	70-130	1.83	20	
Surrogate: Fluorene-d10	210		ug/kg	200		104	60-130			
Surrogate: Anthracene-d10	190		"	200		93.7	60-130			
Surrogate: Pyrene-d10	190		"	200		92.7	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		97.6	60-130			

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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

Saturated Paste - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4E1421 - Saturated Paste pH/EC										
Duplicate (B4E1421-DUP1)		Source: Y405082-01			Prepared: 05/14/2024 Analyzed: 05/14/2024					
pH	7.22		pH Units		7.22			0.00	25	
Batch B4E1422 - Saturated Paste pH/EC										
Duplicate (B4E1422-DUP1)		Source: Y405082-21			Prepared: 05/14/2024 Analyzed: 05/14/2024					
pH	8.49		pH Units		8.49			0.00	25	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

Total Metals by 7196A - Quality Control GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2617731 - SW846 3060A										
BLANK (1205745519-BLK)					Prepared: 05/28/2024 Analyzed: 05/29/2024					
Hexavalent Chromium	ND	0.391	mg/kg				-			U
LCS (1205745520-BKS)					Prepared: 05/28/2024 Analyzed: 05/29/2024					
Hexavalent Chromium	3.17	0.320	mg/kg	3.20		98.8	80-120			
DUP (1205745521 D)					Source: 668251001 Prepared: 05/28/2024 Analyzed: 05/29/2024					
Hexavalent Chromium	ND	0.428	mg/kg dry		<0.171		0-50	N/A	50	U
MS (1205745522 S)					Source: 668251001 Prepared: 05/28/2024 Analyzed: 05/29/2024					
Hexavalent Chromium	4.63	0.444	mg/kg dry	4.44	<0.177	102	75-125			
DUP (1205745523 D)					Source: Y405082-20 Prepared: 05/28/2024 Analyzed: 05/29/2024					
Hexavalent Chromium	ND	0.431	mg/kg dry		<0.172		0-50	N/A	50	U
MS (1205745524 S)					Source: Y405082-20 Prepared: 05/28/2024 Analyzed: 05/29/2024					
Hexavalent Chromium	1.76	0.265	mg/kg dry	2.65	<0.106	66.4	75-125			
ILCS (1205745525-ILCS)					Prepared: 05/28/2024 Analyzed: 05/29/2024					
Hexavalent Chromium	7.28	0.343	mg/kg	7.07			80-120			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

Notes and Definitions

Ua Sample is Non-Detect.

U Result not detected above the detection limit

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

Calculated results may use J-flag data (instead of reported "ND") as part of calculation to provide a more accurate result.

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



May 10, 2024

Eagle Environmental Consulting, LLC

Andrew Newberry

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Loustelet T5N-R64W-S15 L01 TB **Project Number - [none]**

Attached are your analytical results for Noble - Loustelet T5N-R64W-S15 L01 TB received by Origins Laboratory, Inc. May 02, 2024. This project is associated with Origins project number Y405083-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Andrew Newberry

Project Number: [none]

Project: Noble - Loustelet T5N-R64W-S15 L01 TB

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01	Y405083-01	Water	May 2, 2024 13:00	05/02/2024 15:15
MW-02	Y405083-02	Water	May 2, 2024 13:05	05/02/2024 15:15
MW-03	Y405083-03	Water	May 2, 2024 13:10	05/02/2024 15:15
MW-04	Y405083-04	Water	May 2, 2024 13:15	05/02/2024 15:15
MW-05	Y405083-05	Water	May 2, 2024 13:20	05/02/2024 15:15
MW-06	Y405083-06	Water	May 2, 2024 13:25	05/02/2024 15:15

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

www.originslaboratory.com

page 1 of 1

Y405083

Client: Eagle Environmental Consulting
Address: 8000 W 44th Ave
Wheat Ridge, CO 80033
Telephone Number: 303.433.0479
Email Address: cory@originslab.com

Project Manager: Andrew Newberry
Project Name: LOUSTELET T5N-R64W-S15 L01 Tank Battery
Project Number:
Samples Collected By: ZM/IM

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #		
MW-01	5/2/24	1300	3	X				X				1
MW-02		1305	1									2
MW-03		1310	1									3
MW-04		1315	1									4
MW-05		1320	1									5
MW-06		1325	1									6
												7
												8
												9
												10

Relinquished By: [Signature]
Relinquished By: [Signature]

Date: 5/2/21
Date: 5/2/21

Time: 155
Time: 1515

Received By: [Signature]
Received By: [Signature]

Date: 5/2/24
Date: 5/2/24

Time: 1515
Time: 1515

Turnaround Time: Same Day ☐ 24 Hr ☐ 48 Hr ☐ 72 Hr ☒ Standard

Temp Received: 4
Date Results Needed: Noble

Bill to Dan

Origins Laboratory, Inc.

J. Bynon

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

Origins Laboratory

Sample Receipt Checklist

F-012207-01-R1
Effective Date: 01/09/12

Origins Work Order: V405083

Client: Eagle

Client Project ID: Loustelet TSN

Checklist Completed by: SA

Shipped Via: HO

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 5/2/24

Airbill #: N/A

Matrix(s) Received: (Check all that apply): Soil/Solid ☒ Water ☐ Other: ☐

Cooler Number/Temperature: 1 / 4 °C 1 °C 1 °C 1 °C (Describe)

Thermometer ID: T005

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NC
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) JB

5/16/24
Date/Time Reviewed

Origins Laboratory, Inc.

J. Bynon

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-01

5/2/2024 1:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y405083-01 (Water)

PAH by EPA 8270E

Benzo (a) anthracene	ND	0.500	ug/L	1	B4E0740	Windo	05/07/2024	05/09/2024	U
Surrogate: Fluorene-d10	97.1 %	60-130			"	"		"	
Surrogate: Anthracene-d10	101 %	60-130			"	"		"	
Surrogate: Benzo (a) pyrene-d12	96.9 %	60-130			"	"		"	
Surrogate: Pyrene-d10	94.5 %	60-130			"	"		"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-02

5/2/2024 1:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y405083-02 (Water)

PAH by EPA 8270E

Benzo (a) anthracene	ND	0.500	ug/L	1	B4E0740	Windo	05/07/2024	05/09/2024	U
Surrogate: Fluorene-d10	99.2 %	60-130			"	"		"	
Surrogate: Anthracene-d10	95.5 %	60-130			"	"		"	
Surrogate: Benzo (a) pyrene-d12	96.3 %	60-130			"	"		"	
Surrogate: Pyrene-d10	87.4 %	60-130			"	"		"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-03

5/2/2024 1:10:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y405083-03 (Water)

PAH by EPA 8270E

Benzo (a) anthracene	ND	0.500	ug/L	1	B4E0740	Windo	05/07/2024	05/09/2024	U
Surrogate: Fluorene-d10	101 %	60-130			"	"		"	
Surrogate: Anthracene-d10	94.2 %	60-130			"	"		"	
Surrogate: Benzo (a) pyrene-d12	96.1 %	60-130			"	"		"	
Surrogate: Pyrene-d10	86.2 %	60-130			"	"		"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-04

5/2/2024 1:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405083-04 (Water)

PAH by EPA 8270E

Benzo (a) anthracene	ND	0.500	ug/L	1	B4E0740	Windo	05/07/2024	05/09/2024	U
Surrogate: Fluorene-d10	100 %	60-130			"	"		"	
Surrogate: Anthracene-d10	93.1 %	60-130			"	"		"	
Surrogate: Benzo (a) pyrene-d12	94.7 %	60-130			"	"		"	
Surrogate: Pyrene-d10	88.3 %	60-130			"	"		"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-05

5/2/2024 1:20:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y405083-05 (Water)

PAH by EPA 8270E

Benzo (a) anthracene	ND	0.500	ug/L	1	B4E0740	Windo	05/07/2024	05/09/2024	U
Surrogate: Fluorene-d10	101 %	60-130			"	"		"	
Surrogate: Anthracene-d10	93.0 %	60-130			"	"		"	
Surrogate: Benzo (a) pyrene-d12	97.5 %	60-130			"	"		"	
Surrogate: Pyrene-d10	88.9 %	60-130			"	"		"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-06

5/2/2024 1:25:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y405083-06 (Water)

PAH by EPA 8270E

Benzo (a) anthracene	ND	0.500	ug/L	1	B4E0740	Windo	05/07/2024	05/09/2024	U
Surrogate: Fluorene-d10	101 %	60-130			"	"		"	
Surrogate: Anthracene-d10	93.7 %	60-130			"	"		"	
Surrogate: Benzo (a) pyrene-d12	96.0 %	60-130			"	"		"	
Surrogate: Pyrene-d10	90.7 %	60-130			"	"		"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B4E0740 - EPA 3510C_MS

Blank (B4E0740-BLK1)

Prepared: 05/07/2024 Analyzed: 05/09/2024

1-Methylnaphthalene	ND	0.200	ug/L							U
2-Methylnaphthalene	ND	0.200	"							U
Acenaphthene	ND	2.00	"							U
Anthracene	ND	2.00	"							U
Benzo (a) anthracene	ND	0.500	"							U
Benzo (a) pyrene	ND	2.00	"							U
Benzo (b) fluoranthene	ND	2.00	"							U
Benzo (g,h,i) perylene	ND	2.00	"							U
Benzo (k) fluoranthene	ND	2.00	"							U
Chrysene	ND	2.00	"							U
Dibenz (a,h) anthracene	ND	2.00	"							U
Fluoranthene	ND	2.00	"							U
Fluorene	ND	2.00	"							U
Indeno (1,2,3-cd) pyrene	ND	2.00	"							U
Naphthalene	ND	0.200	"							U
Phenanthrene	ND	2.00	"							U
Pyrene	ND	2.00	"							U
Surrogate: Fluorene-d10	200		"	200		102	60-130			
Surrogate: Anthracene-d10	190		"	200		94.6	60-130			
Surrogate: Benzo (a) pyrene-d12	190		"	200		96.7	60-130			
Surrogate: Pyrene-d10	190		"	200		95.0	60-130			

LCS (B4E0740-BS1)

Prepared: 05/07/2024 Analyzed: 05/09/2024

1-Methylnaphthalene	18.3	0.200	ug/L	20.0		91.5	70-130			
2-Methylnaphthalene	18.1	0.200	"	20.0		90.7	70-130			
Acenaphthene	19.1	2.00	"	20.0		95.6	70-130			
Anthracene	18.4	2.00	"	20.0		91.8	70-130			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4E0740 - EPA 3510C_MS

LCS (B4E0740-BS1)

Prepared: 05/07/2024 Analyzed: 05/09/2024

Benzo (a) anthracene	18.4	0.500	ug/L	20.0		91.8	70-130			
Benzo (a) pyrene	18.5	2.00	"	20.0		92.5	70-130			
Benzo (b) fluoranthene	19.2	2.00	"	20.0		96.0	70-130			
Benzo (g,h,i) perylene	19.2	2.00	"	20.0		96.0	70-130			
Benzo (k) fluoranthene	18.2	2.00	"	20.0		90.9	70-130			
Chrysene	17.9	2.00	"	20.0		89.4	70-130			
Dibenz (a,h) anthracene	20.8	2.00	"	20.0		104	70-130			
Fluoranthene	18.2	2.00	"	20.0		91.1	70-130			
Fluorene	19.3	2.00	"	20.0		96.4	70-130			
Indeno (1,2,3-cd) pyrene	18.3	2.00	"	20.0		91.3	70-130			
Naphthalene	19.1	0.200	"	20.0		95.7	70-130			
Phenanthrene	18.1	2.00	"	20.0		90.5	70-130			
Pyrene	17.8	2.00	"	20.0		89.0	70-130			
Surrogate: Fluorene-d10	200		"	200		102	60-130			
Surrogate: Anthracene-d10	190		"	200		94.3	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130			
Surrogate: Pyrene-d10	190		"	200		92.6	60-130			

LCS Dup (B4E0740-BSD1)

Prepared: 05/07/2024 Analyzed: 05/09/2024

1-Methylnaphthalene	17.9	0.200	ug/L	20.0		89.7	70-130	1.91	20	
2-Methylnaphthalene	17.9	0.200	"	20.0		89.4	70-130	1.43	20	
Acenaphthene	19.2	2.00	"	20.0		95.9	70-130	0.265	20	
Anthracene	18.5	2.00	"	20.0		92.7	70-130	1.01	20	
Benzo (a) anthracene	18.2	0.500	"	20.0		91.2	70-130	0.728	20	
Benzo (a) pyrene	18.8	2.00	"	20.0		94.2	70-130	1.76	20	
Benzo (b) fluoranthene	19.4	2.00	"	20.0		97.1	70-130	1.19	20	
Benzo (g,h,i) perylene	19.9	2.00	"	20.0		99.6	70-130	3.68	20	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4E0740 - EPA 3510C_MS										
LCS Dup (B4E0740-BSD1)					Prepared: 05/07/2024 Analyzed: 05/09/2024					
Benzo (k) fluoranthene	19.0	2.00	ug/L	20.0		95.0	70-130	4.41	20	
Chrysene	17.8	2.00	"	20.0		89.1	70-130	0.288	20	
Dibenz (a,h) anthracene	21.5	2.00	"	20.0		108	70-130	3.17	20	
Fluoranthene	18.9	2.00	"	20.0		94.5	70-130	3.60	20	
Fluorene	19.3	2.00	"	20.0		96.6	70-130	0.251	20	
Indeno (1,2,3-cd) pyrene	19.3	2.00	"	20.0		96.7	70-130	5.79	20	
Naphthalene	18.9	0.200	"	20.0		94.5	70-130	1.23	20	
Phenanthrene	18.3	2.00	"	20.0		91.5	70-130	1.06	20	
Pyrene	16.4	2.00	"	20.0		82.0	70-130	8.14	20	
Surrogate: Fluorene-d10	200		"	200		101	60-130			
Surrogate: Anthracene-d10	190		"	200		95.0	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		97.9	60-130			
Surrogate: Pyrene-d10	170		"	200		85.5	60-130			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Andrew Newberry

Project Number: [none]

Project: Noble - Loustelet T5N-R64W-S15 L01 TB

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



May 10, 2024

Eagle Environmental Consulting, LLC

Andrew Newberry

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Loustelet T5N-R64W-S15 L01 TB **Project Number - [none]**

Attached are your analytical results for Noble - Loustelet T5N-R64W-S15 L01 TB received by Origins Laboratory, Inc. May 02, 2024. This project is associated with Origins project number Y405084-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Andrew Newberry

Project Number: [none]

Project: Noble - Loustelet T5N-R64W-S15 L01 TB

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01	Y405084-01	Water	May 2, 2024 13:00	05/02/2024 15:15
MW-02	Y405084-02	Water	May 2, 2024 13:05	05/02/2024 15:15
MW-03	Y405084-03	Water	May 2, 2024 13:10	05/02/2024 15:15
MW-04	Y405084-04	Water	May 2, 2024 13:15	05/02/2024 15:15
MW-05	Y405084-05	Water	May 2, 2024 13:20	05/02/2024 15:15
MW-06	Y405084-06	Water	May 2, 2024 13:25	05/02/2024 15:15

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

www.originslaboratory.com

page 1 of 1

1405084

Project Manager: Andrew Newberry
Project Name: LOUSTELET T5N-R64W-S15 L01 TB BATTERY
Project Number:
Samples Collected By: ZM/M

Client: Eagle Environmental Consulting
Address: 8000 W 44th Ave
Wheat Ridge, CO 80033
Telephone Number: 303 433 0474
Email Address: andrewnewberry@eagle-env.com

1725 Elk Place | Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analyst	Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #		
MW-01	5/2/24	1300	1	X				X				1
MW-02		1305										2
MW-03		1310										3
MW-04		1315										4
MW-05		1320										5
MW-06		1325										6
												7
												8
												9
												10

Relinquished By: [Signature] Date: 5/2/24 Time: 1515
Relinquished By: [Signature] Date: 5/2/24 Time: 1515

Received By: [Signature] Date: 5/2/24 Time: 1515
Received By: [Signature] Date: 5/2/24 Time: 1515

Turnaround Time: Same Day ☐ 24 Hr ☐ 48 Hr ☐ 72 Hr ☒ Standard

Temp Received: 4 Date Results Needed: 4 Noble

Bill to Dan

Origins Laboratory, Inc.

J. Bynon

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustellet T5N-R64W-S15 L01 TB

Origins Laboratory

Sample Receipt Checklist

F-012207-01-R1
Effective Date: 01/09/12

Origins Work Order: V405084

Client: Eagle

Client Project ID: Loustellet T5N

Checklist Completed by: SA

Shipped Via: HO

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 5/2/24

Airbill #: N/A

Matrix(s) Received: (Check all that apply):

Soil/Solid

/

Water

Other:

Cooler Number/Temperature: 1, 4 °C

/

°C

/

°C

/

°C

(Describe)

/

°C

Thermometer ID: T005

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	/			
Is there ice present (document if blue ice is used)	/			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		/		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		/		
Were all samples received intact ⁽¹⁾ ?	/			
Was adequate sample volume provided ⁽¹⁾ ?	/			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		/		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	/			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	/			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	/			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	/			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		/		
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ ; HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)		/		
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by: JB (Project Manager)

Date/Time Reviewed: 5/16/24

Origins Laboratory, Inc.

J. Bynon

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-01

5/2/2024 1:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y405084-01 (Water)

Anions by IC 300.0

Chloride	140	31.2	mg/L	125	B4E0320	DLT	05/03/2024	05/03/2024	
Sulfate	402	31.2	"	"	"	DLT	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	894	5.00	"	1	B4E0222	KRM	05/03/2024	05/06/2024	
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-02

5/2/2024 1:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y405084-02 (Water)

Anions by IC 300.0

Chloride	144	31.2	mg/L	125	B4E0320	DLT	05/03/2024	05/03/2024	
Sulfate	445	31.2	"	"	"	DLT	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	948	5.00	"	1	B4E0222	KRM	05/03/2024	05/06/2024	
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-03

5/2/2024 1:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y405084-03 (Water)

Anions by IC 300.0

Chloride	129	31.2	mg/L	125	B4E0320	DLT	05/03/2024	05/03/2024	
Sulfate	372	31.2	"	"	"	DLT	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	844	5.00	"	1	B4E0222	KRM	05/03/2024	05/06/2024	
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-04

5/2/2024 1:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y405084-04 (Water)

Anions by IC 300.0

Chloride	131	31.2	mg/L	125	B4E0320	DLT	05/03/2024	05/03/2024	
Sulfate	384	31.2	"	"	"	DLT	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	868	5.00	"	1	B4E0222	KRM	05/03/2024	05/06/2024	
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-05

5/2/2024 1:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc. Y405084-05 (Water)

Anions by IC 300.0

Chloride	130	31.2	mg/L	125	B4E0320	DLT	05/03/2024	05/03/2024	
Sulfate	378	31.2	"	"	"	DLT	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	900	5.00	"	1	B4E0322	VK	05/03/2024	05/06/2024	
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-06

5/2/2024 1:25:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y405084-06 (Water)

Anions by IC 300.0

Chloride	134	31.2	mg/L	125	B4E0320	DLT	05/03/2024	05/03/2024	
Sulfate	379	31.2	"	"	"	DLT	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	876	5.00	"	1	B4E0322	VK	05/03/2024	05/06/2024	
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

Classical Chemistry Parameters - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4E0222 - NO PREP										
Blank (B4E0222-BLK1)					Prepared: 05/03/2024 Analyzed: 05/06/2024					
Total Dissolved Solids	ND	5.00	mg/L							
LCS (B4E0222-BS1)					Prepared: 05/03/2024 Analyzed: 05/06/2024					
Total Dissolved Solids	1030	5.00	mg/L	1070		96.1	90-110			
Duplicate (B4E0222-DUP1)					Source: Y405005-01 Prepared: 05/03/2024 Analyzed: 05/06/2024					
Total Dissolved Solids	2580	5.00	mg/L		2630			2.15	10	
Batch B4E0320 - Filter .45um non acidified										
Blank (B4E0320-BLK1)					Prepared: 05/03/2024 Analyzed: 05/03/2024					
Chloride	ND	0.250	mg/L							
Sulfate	ND	0.250	"							
LCS (B4E0320-BS1)					Prepared: 05/03/2024 Analyzed: 05/03/2024					
Chloride	3.85	0.250	mg/L	4.00		96.2	90-110			
Sulfate	3.88	0.250	"	4.00		96.9	90-110			
Matrix Spike (B4E0320-MS1)					Source: Y405084-01 Prepared: 05/03/2024 Analyzed: 05/03/2024					
Chloride	644		mg/L	500	140	101	90-110			
Sulfate	903		"	500	402	100	90-110			
Matrix Spike Dup (B4E0320-MSD1)					Source: Y405084-01 Prepared: 05/03/2024 Analyzed: 05/03/2024					
Chloride	623		mg/L	500	140	96.7	90-110	3.23	5	
Sulfate	879		"	500	402	95.4	90-110	2.71	5	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

Classical Chemistry Parameters - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4E0322 - NO PREP										
Blank (B4E0322-BLK1)					Prepared: 05/03/2024 Analyzed: 05/06/2024					
Total Dissolved Solids	ND	5.00	mg/L							
LCS (B4E0322-BS1)					Prepared: 05/03/2024 Analyzed: 05/06/2024					
Total Dissolved Solids	1050	5.00	mg/L	1070		97.9	90-110			
Duplicate (B4E0322-DUP1)					Source: Y405084-05 Prepared: 05/03/2024 Analyzed: 05/06/2024					
Total Dissolved Solids	904	5.00	mg/L		900			0.443	10	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Andrew Newberry

Project Number: [none]

Project: Noble - Loustelet T5N-R64W-S15 L01 TB

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



May 10, 2024

Eagle Environmental Consulting, LLC

Andrew Newberry

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Loustelet T5N-R64W-S15 L01 TB **Project Number - [none]**

Attached are your analytical results for Noble - Loustelet T5N-R64W-S15 L01 TB received by Origins Laboratory, Inc. May 02, 2024. This project is associated with Origins project number Y405085-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Andrew Newberry

Project Number: [none]

Project: Noble - Loustelet T5N-R64W-S15 L01 TB

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01	Y405085-01	Water	May 2, 2024 13:00	05/02/2024 15:15
MW-02	Y405085-02	Water	May 2, 2024 13:05	05/02/2024 15:15
MW-03	Y405085-03	Water	May 2, 2024 13:10	05/02/2024 15:15
MW-04	Y405085-04	Water	May 2, 2024 13:15	05/02/2024 15:15
MW-05	Y405085-05	Water	May 2, 2024 13:20	05/02/2024 15:15
MW-06	Y405085-06	Water	May 2, 2024 13:25	05/02/2024 15:15

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

ORIGINS

LABORATORY, INC

www.originslaboratory.com

1405085

page 1 of 1

Client: Eagle Environmental Consulting
Address: 8000 W 44th Ave
Wheat Ridge, CO 80033
Telephone Number: 303.433.0419
Email Address: info@origins-lab.com

Project Manager: Andrew Newberry
Project Name: Loustelet T5N-R64W-S15 L01 Table Battery
Project Number:
Samples Collected By: ZM/M

Fax: 303.265.9645

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis		Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa	Other	DATE, NAPH	
MW-01	5/2/24	1300	3	X				X					1
MW-02		1305	1										2
MW-03		1310	1										3
MW-04		1315	1										4
MW-05		1320	1										5
MW-06		1325	1										6
													7
													8
													9
													10

Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Turnaround Time:
Andrew Newberry	5/2/24	1515	Andrew Newberry	5/2/24	1515	Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input checked="" type="checkbox"/>

Temp Received: 4 Date Results Needed: Noble

Origins Laboratory, Inc.

J. Bynon

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8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

Origins Laboratory

F-012207-01-R1
Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: 1405085

Client: Eagle

Client Project ID: Loustelet T5N

Checklist Completed by: SA

Shipped Via: HO

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 5/2/24

Airbill #: N/A

Matrix(s) Received: (Check all that apply): Soil/Solid ☒ Water ☐ Other: ☐ (Describe)

Cooler Number/Temperature: 1/4 °C 1 °C 1 °C 1 °C

Thermometer ID: T005

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NC
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by: JB (Project Manager)

5/6/24
Date/Time Reviewed

Origins Laboratory, Inc.

J. Bynon

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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-01

5/2/2024 1:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y405085-01 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	168	20.0	ug/L	10	B4E0412	JSM	05/04/2024	05/04/2024
1,3,5-Trimethylbenzene	76.1	2.00	"	1	"	JSM	"	05/05/2024
Benzene	8.62	1.00	"	"	"	JSM	"	"
Ethylbenzene	54.4	1.00	"	"	"	JSM	"	"
Naphthalene	8.61	2.00	"	"	"	JSM	"	"
Toluene	1.82	1.00	"	"	"	JSM	"	"
Xylenes, total	375	1.00	"	"	"	JSM	"	05/04/2024

Surrogate: 1,2-Dichloroethane-d4	97.7 %	70-130			"	"	05/05/2024
Surrogate: Toluene-d8	104 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	99.1 %	70-130			"	"	"

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-02

5/2/2024 1:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y405085-02 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B4E0412	JSM	05/04/2024	05/04/2024	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	JSM	"	"	U
Benzene	ND	1.00	"	"	"	JSM	"	"	U
Ethylbenzene	ND	1.00	"	"	"	JSM	"	"	U
Naphthalene	ND	2.00	"	"	"	JSM	"	"	U
Toluene	ND	1.00	"	"	"	JSM	"	"	U
Xylenes, total	ND	1.00	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4	100 %	70-130	"	"	"
Surrogate: Toluene-d8	99.9 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	109 %	70-130	"	"	"

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-03

5/2/2024 1:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y405085-03 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B4E0412	JSM	05/04/2024	05/04/2024	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	JSM	"	"	U
Benzene	ND	1.00	"	"	"	JSM	"	"	U
Ethylbenzene	ND	1.00	"	"	"	JSM	"	"	U
Naphthalene	ND	2.00	"	"	"	JSM	"	"	U
Toluene	ND	1.00	"	"	"	JSM	"	"	U
Xylenes, total	ND	1.00	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4	96.5 %	70-130	"	"	"
Surrogate: Toluene-d8	99.8 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	103 %	70-130	"	"	"

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-04

5/2/2024 1:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y405085-04 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B4E0412	JSM	05/04/2024	05/04/2024	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	JSM	"	"	U
Benzene	ND	1.00	"	"	"	JSM	"	"	U
Ethylbenzene	ND	1.00	"	"	"	JSM	"	"	U
Naphthalene	ND	2.00	"	"	"	JSM	"	"	U
Toluene	ND	1.00	"	"	"	JSM	"	"	U
Xylenes, total	ND	1.00	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4	95.0 %	70-130	"	"	"
Surrogate: Toluene-d8	102 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	103 %	70-130	"	"	"

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-05

5/2/2024 1:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y405085-05 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B4E0412	JSM	05/04/2024	05/04/2024	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	JSM	"	"	U
Benzene	ND	1.00	"	"	"	JSM	"	"	U
Ethylbenzene	ND	1.00	"	"	"	JSM	"	"	U
Naphthalene	ND	2.00	"	"	"	JSM	"	"	U
Toluene	ND	1.00	"	"	"	JSM	"	"	U
Xylenes, total	ND	1.00	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4	97.1 %	70-130	"	"	"
Surrogate: Toluene-d8	103 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	107 %	70-130	"	"	"

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

MW-06

5/2/2024 1:25:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y405085-06 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B4E0412	JSM	05/04/2024	05/04/2024	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	JSM	"	"	U
Benzene	ND	1.00	"	"	"	JSM	"	"	U
Ethylbenzene	ND	1.00	"	"	"	JSM	"	"	U
Naphthalene	ND	2.00	"	"	"	JSM	"	"	U
Toluene	ND	1.00	"	"	"	JSM	"	"	U
Xylenes, total	ND	1.00	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4	95.7 %	70-130	"	"	"
Surrogate: Toluene-d8	103 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	103 %	70-130	"	"	"

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4E0412 - EPA 5030B (Water)										
Blank (B4E0412-BLK1)					Prepared: 05/04/2024 Analyzed: 05/04/2024					
1,2,4-Trimethylbenzene	ND	2.00	ug/L							U
1,3,5-Trimethylbenzene	ND	2.00	"							U
Benzene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Naphthalene	ND	2.00	"							U
Toluene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5		104	70-130			
Surrogate: Toluene-d8	61		"	62.5		98.3	70-130			
Surrogate: 4-Bromofluorobenzene	68		"	62.5		109	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4E0412 - EPA 5030B (Water)										
LCS (B4E0412-BS1)					Prepared: 05/04/2024 Analyzed: 05/04/2024					
1,2,4-Trimethylbenzene	56.0	2.00	ug/L	50.0		112	70-130			
1,3,5-Trimethylbenzene	56.7	2.00	"	50.0		113	70-130			
Benzene	56.2	1.00	"	50.0		112	70-130			
Ethylbenzene	51.5	1.00	"	50.0		103	70-130			
m,p-Xylene	100	2.00	"	100		100	70-130			
Naphthalene	45.8	2.00	"	50.0		91.6	70-130			
o-Xylene	48.6	1.00	"	50.0		97.1	70-130			
Toluene	48.0	1.00	"	50.0		95.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5		104	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.2	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4E0412 - EPA 5030B (Water)										
Matrix Spike (B4E0412-MS1)			Source: Y405085-02		Prepared: 05/04/2024 Analyzed: 05/04/2024					
1,2,4-Trimethylbenzene	56.4	2.00	ug/L	50.0	ND	113	70-130			
1,3,5-Trimethylbenzene	57.1	2.00	"	50.0	ND	114	70-130			
Benzene	54.6	1.00	"	50.0	ND	109	70-130			
Ethylbenzene	50.8	1.00	"	50.0	ND	102	70-130			
m,p-Xylene	99.1	2.00	"	100	ND	99.1	70-130			
Naphthalene	43.6	2.00	"	50.0	ND	87.2	70-130			
o-Xylene	49.1	1.00	"	50.0	ND	98.2	70-130			
Toluene	47.3	1.00	"	50.0	ND	94.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		101	70-130			
Surrogate: Toluene-d8	62		"	62.5		98.9	70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		103	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Loustelet T5N-R64W-S15 L01 TB

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4E0412 - EPA 5030B (Water)										
Matrix Spike Dup (B4E0412-MSD1)			Source: Y405085-02		Prepared: 05/04/2024 Analyzed: 05/04/2024					
1,2,4-Trimethylbenzene	53.7	2.00	ug/L	50.0	ND	107	70-130	4.94	20	
1,3,5-Trimethylbenzene	55.2	2.00	"	50.0	ND	110	70-130	3.35	20	
Benzene	52.0	1.00	"	50.0	ND	104	70-130	4.82	20	
Ethylbenzene	48.5	1.00	"	50.0	ND	97.1	70-130	4.59	20	
m,p-Xylene	96.7	2.00	"	100	ND	96.7	70-130	2.43	20	
Naphthalene	42.2	2.00	"	50.0	ND	84.4	70-130	3.26	20	
o-Xylene	47.7	1.00	"	50.0	ND	95.5	70-130	2.83	20	
Toluene	46.2	1.00	"	50.0	ND	92.3	70-130	2.52	20	
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5		102	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		103	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Andrew Newberry

Project Number: [none]

Project: Noble - Loustelet T5N-R64W-S15 L01 TB

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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