



FIGURES

Figure 1: Monitoring Well Soil Analytical Map

Figure 2: Monitoring Well Metals in Soil Map

Figure 3: Groundwater Analytical Map (06/12/23)

Figure 4: Groundwater Elevation Map (06/12/23)

Figure 5: Inorganic Confirmation & Delineation Analytical Map



LEGEND

- WELLHEAD ASSESSMENT BOUNDARIES
- INITIAL SOIL SAMPLE LOCATIONS EXCEEDING REGULATORY LIMITS
- APPROXIMATE MONITORING WELL LOCATIONS
- APPROXIMATE BACKGROUND SAMPLE 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)
POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) (mg/kg)	
EC	= SPECIFIC CONDUCTANCE (mmhos/cm)
SAR	= SODIUM ADSORPTION RATIO

mg/kg = MILLIGRAMS PER KILOGRAM
 mmhos/cm = MILLIMHOS PER CENTIMETER

(BRL) = ALL VALUES/CONCENTRATIONS BELOW REGULATORY LIMITS

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/CONCENTRATIONS EXCEEDING REGULATORY LIMITS, ONLY, DISPLAYED.

VALUES PRESENTED IN **BOLD** CONTAIN CONCENTRATIONS THAT EXCEED COGCC TABLE 915-1 REGULATORY LIMITS.

COGCC = COLORADO OIL AND GAS CONSERVATION COMMISSION

MONITORING WELL SOIL ANALYTICAL MAP

SHABLE #24-20
 HISTORICAL RELEASE
 40.301223 / -104.681450
 SE¼ NE¼ SEC.20 T4N R65W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-27337
 REMEDIATION # 21729

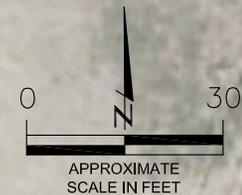
DRAWN BY:
 GEC

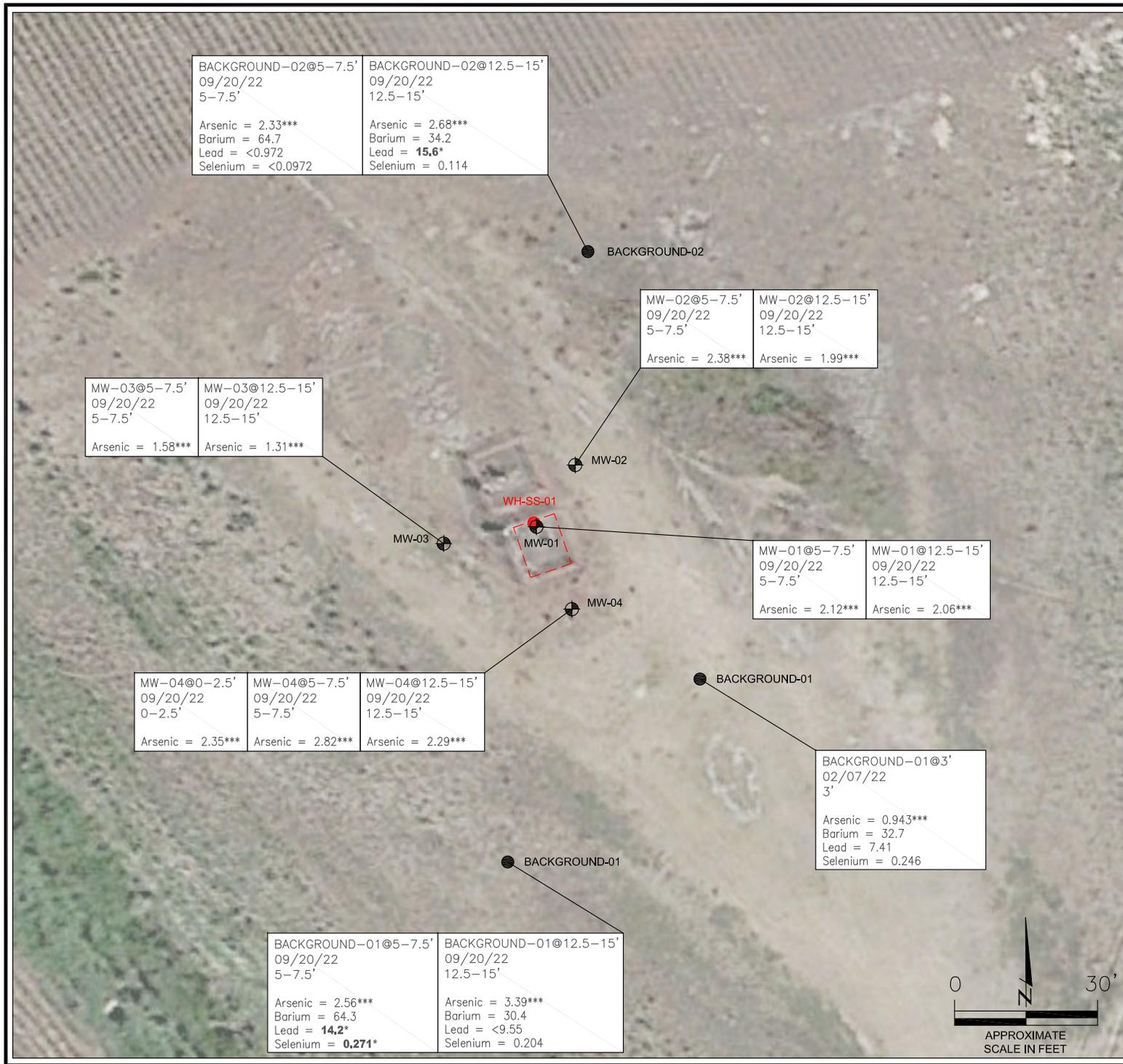
FIGURE NO.

1



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LEGEND

- WELLHEAD ASSESSMENT BOUNDARIES
- INITIAL SOIL SAMPLE LOCATIONS EXCEEDING REGULATORY LIMITS
- SS-02
- APPROXIMATE MONITORING WELL LOCATIONS
- APPROXIMATE BACKGROUND SAMPLE LOCATIONS

PARAMETERS

SAMPLE LOCATION
DATE SAMPLE COLLECTED
APPROXIMATE DEPTH
Arsenic = (mg/kg)
Barium = (mg/kg)
Lead = (mg/kg)
Selenium = (mg/kg)

mg/kg = MILLIGRAMS PER KILOGRAM

(BRL) = ALL VALUES/CONCENTRATIONS BELOW REGULATORY LIMITS

NOTES:
VALUES PRESENTED IN **BOLD** CONTAIN CONCENTRATIONS EXCEEDING COGCC TABLE 915-1 REGULATORY LIMITS.

VALUES PRESENTED WITH AN ASTERISK (*) EXCEED COGCC TABLE 915-1 PROTECTION OF GROUNDWATER SOIL SCREENING LEVELS FOR THAT COMPOUND

***THE LOCAL CLEAN-UP RANGE (2.98 TO 3.39 mg/kg) IS 1.25*BACKGROUND MEAN (2.38 mg/kg) TO HIGHEST BACKGROUND CONCENTRATION OBSERVED (3.39 mg/kg).

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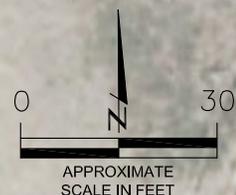
MONITORING WELL METALS IN SOIL MAP
SHABLE #24-20
HISTORICAL RELEASE
40.301223 / -104.681450
SE¼ NE¼ SEC.20 T4N R65W 6PM
WELD COUNTY, COLORADO
API # 05-123-27337
REMEDATION # 21729

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FIGURE NO.
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MW-02
06/12/23
B = <1.00
T = <1.00
E = <1.00
X = <1.00
N = <2.00
1,2,4-TMB = <2.00
1,3,5-TMB = <2.00
1-Methylnaphthalene = <0.02
C = 237
S = 313
TDS= 1280

MW-01
06/12/23
B = <1.00
T = <1.00
E = <1.00
X = <1.00
N = <2.00
1,2,4-TMB = <2.00
1,3,5-TMB = <2.00
1-Methylnaphthalene = <0.02
C = 201
S = 292
TDS= 1030

MW-03
06/12/23
B = <1.00
T = <1.00
E = <1.00
X = <1.00
N = <2.00
1,2,4-TMB = <2.00
1,3,5-TMB = <2.00
1-Methylnaphthalene = <0.02
C = 192
S = 267
TDS= 1030

MW-04
06/12/23
B = <1.00
T = <1.00
E = <1.00
X = <1.00
N = <2.00
1,2,4-TMB = <2.00
1,3,5-TMB = <2.00
1-Methylnaphthalene = <0.02
C = 191
S = 318
TDS= 1120

LEGEND

- WELLHEAD ASSESSMENT BOUNDARIES
- INITIAL SOIL SAMPLE LOCATIONS EXCEEDING REGULATORY LIMITS
- APPROXIMATE 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)
1-METHYLNAPHTHALENE (µg/L)
C = CHLORIDE (mg/L)
S = SULFATE (mg/L)
TDS = TOTAL DISSOLVED SOLIDS (mg/L)

µg/L = MICROGRAMS PER LITER
mg/L = MILLIGRAMS PER LITER

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

THE 3Q22 INORGANIC GROUNDWATER PARAMETERS IN MW-02 WERE USED IN THE DETERMINATION OF LOCAL BACKGROUND LEVELS AT THE SITE.

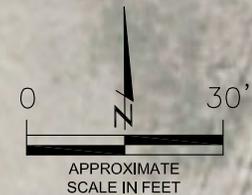
VALUES PRESENTED IN **BOLD** EXCEED THE COGCC TABLE 915-1 REGULATORY LIMITS AND/OR LOCAL BACKGROUND COMPARISON.

*COGCC REGULATORY LIMITS IN GROUNDWATER HAVE NOT BEEN ESTABLISHED FOR 1-METHYLNAPHTHALENE. COGCC IMPLEMENTS A NARRATIVE GROUNDWATER QUALITY STANDARD TAKEN FROM THE ENVIRONMENTAL PROTECTION AGENCY (EPA) REGIONAL SCREENING LEVELS (RSLs) FOR TAPWATER, AS INCORPORATED BY REFERENCE IN RULE 901.B, TABLES FOR TARGET RISK ("TR")=1x10⁻⁶ AND TARGET HAZARD QUOTIENT ("THQ")=0.1. THE EPA RSL FOR TAPWATER, AND RESULTANT NARRATIVE GROUNDWATER QUALITY STANDARDS ARE 1.1 µg/L FOR 1-METHYLNAPHTHALENE.

COGCC = COLORADO OIL AND GAS CONSERVATION COMMISSION

GROUNDWATER ANALYTICAL MAP
(06/12/23)

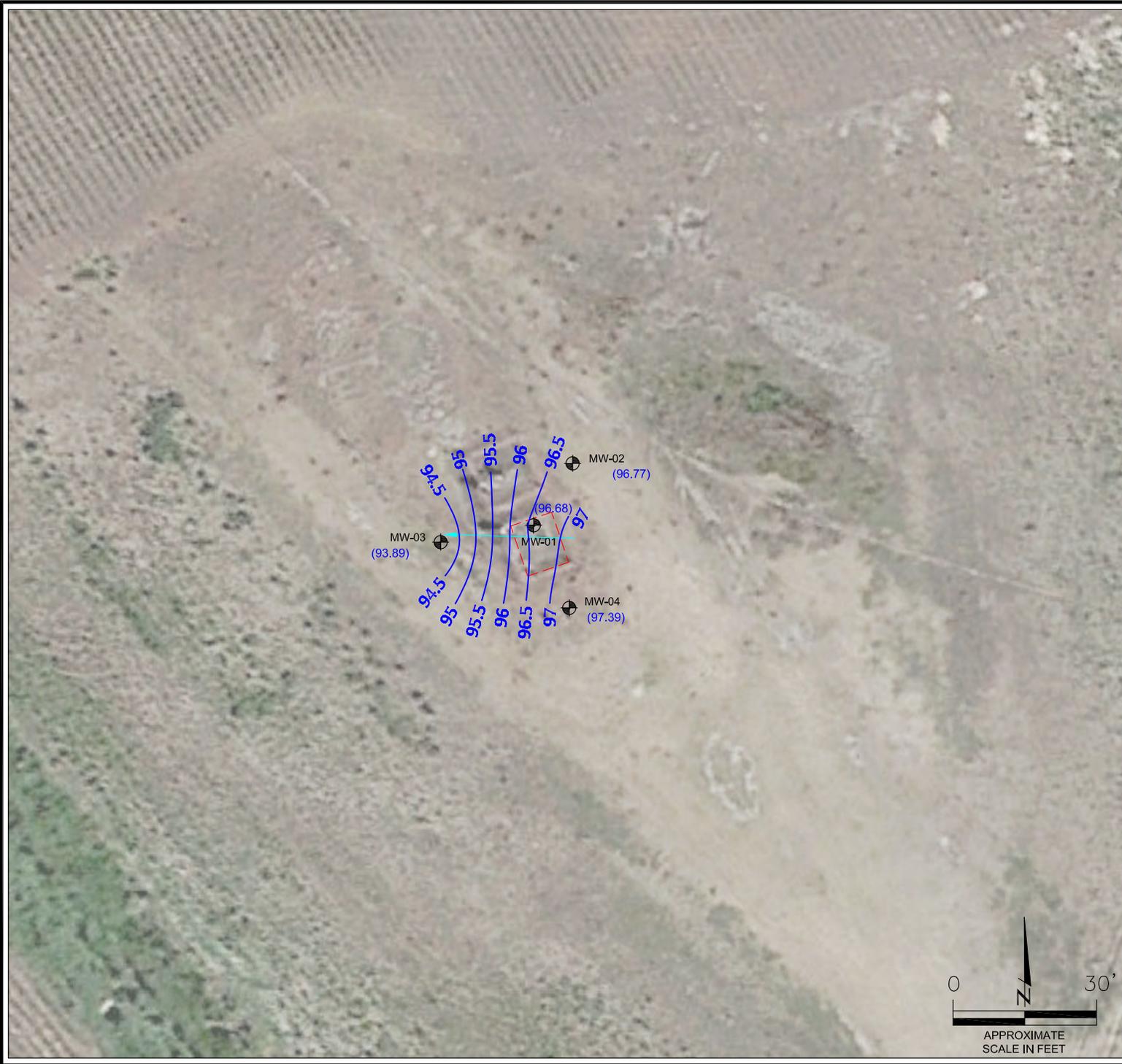
SHABLE #24-20
HISTORICAL RELEASE
40.301223 / -104.681450
SE¼ NE¼ SEC.20 T4N R65W 6PM
WELD COUNTY, COLORADO
API # 05-123-27337
REMEDATION # 21729



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FIGURE NO.
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LEGEND

- - - WELLHEAD ASSESSMENT BOUNDARIES
- APPROXIMATE MONITORING WELL LOCATIONS
- (92.94) RELATIVE GROUNDWATER ELEVATION (FT.)
- - - INFERRED GROUNDWATER ELEVATION CONTOUR (FT.)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

FT. = FEET

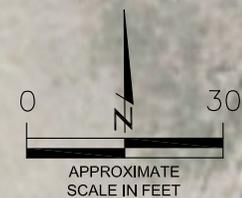
NOTE:
GROUNDWATER ELEVATION DATA WAS COLLECTED ON
06/12/23.

HYDRAULIC GRADIENT (MW-04 TO MW-03): 0.109 FT/FT

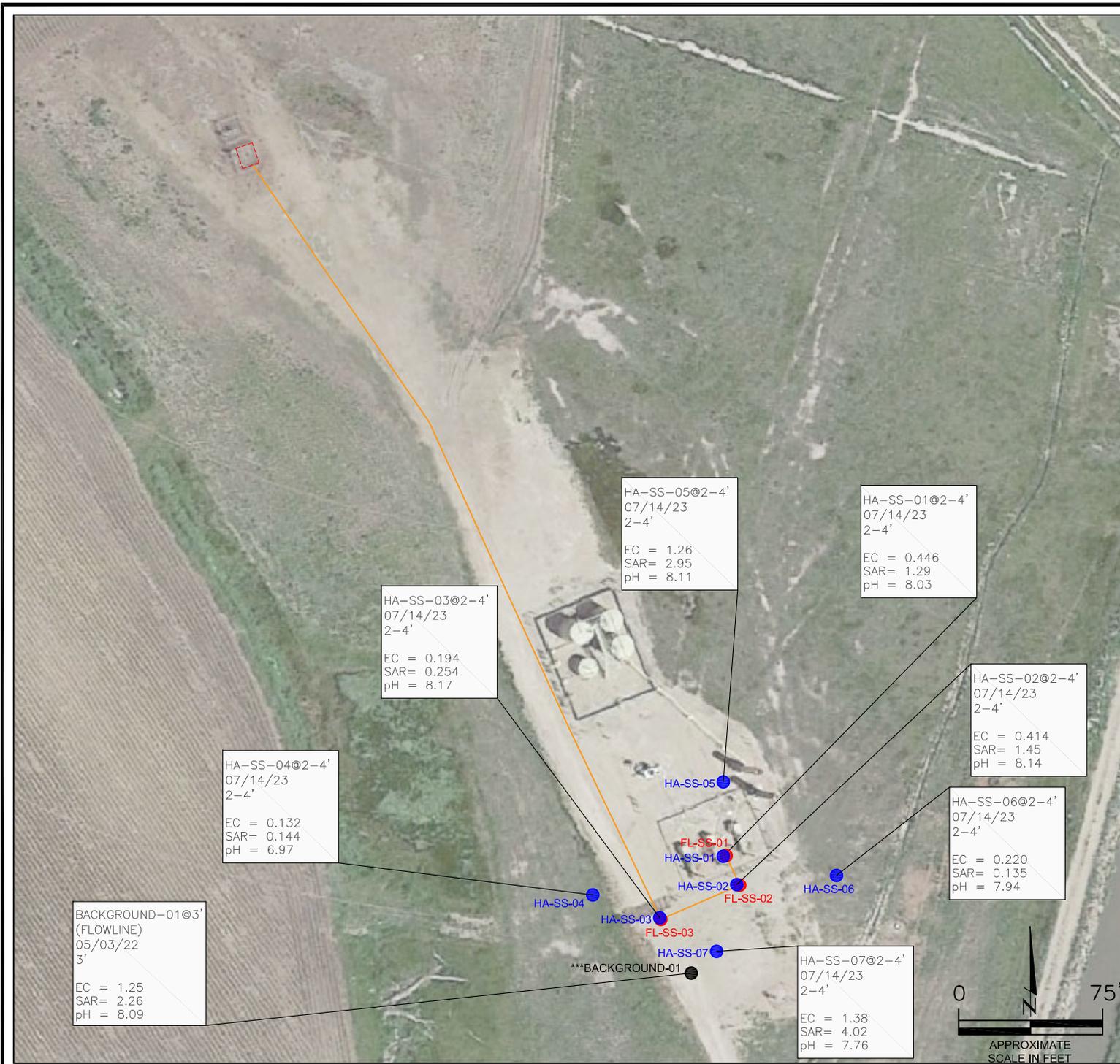
GROUNDWATER ELEVATION MAP
(06/12/23)
SHABLE #24-20
HISTORICAL RELEASE
40.301223 / -104.681450
SE¼ NE¼ SEC.20 T4N R65W 6PM
WELD COUNTY, COLORADO
API # 05-123-27337
REMEDIAION # 21729

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FIGURE NO.
4




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LEGEND

- INITIAL ASSESSMENT BOUNDARIES
- APPROXIMATE FLOWLINE LOCATION (ABANDONED)
- SS-02 INITIAL SOIL SAMPLE LOCATIONS EXCEEDING REGULATORY LIMITS
- APPROXIMATE CONFIRMATION SOIL SAMPLE LOCATIONS
- APPROXIMATE BACKGROUND SAMPLE LOCATION

PARAMETERS

SAMPLE LOCATION	DATE	DEPTH (FEET)
EC = SPECIFIC CONDUCTANCE (mmhos/cm)		
SAR= SODIUM ADSORPTION RATIO		
pH = pH (pH UNITS)		

mmhos/cm = MILLIMHOS PER CENTIMETER

NOTES:

***BACKGROUND-01 WAS COLLECTED ADJACENT TO THE FLOWLINE SAMPLE LOCATIONS ON 05/03/22

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

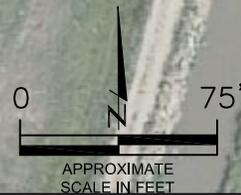
VALUES PRESENTED IN **BOLD** EXCEED COGCC TABLE 915-1 REGULATORY LIMITS

COGCC = COLORADO OIL AND GAS CONSERVATION COMMISSION

INORGANIC CONFIRMATION & DELINEATION ANALYTICAL MAP
 SHABLE #24-20
 CLOSURE ASSESSMENT
 40.301223 / -104.681450
 SE¼ NE¼ SEC.20 T4N R65W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-27337
 REMEDIATION # 21729

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FIG. NO.: 5





TABLES

Table 1: Photoionization Detector Reading Summary

Table 2: Soil Analytical Results Summary

Table 3: Polycyclic Aromatic Hydrocarbons Analytical Results Summary

Table 4: Metals Analytical Results Summary

Table 5: Groundwater Analytical Results Summary

Table 6: Inorganic Groundwater Parameters Summary

Table 7: Groundwater Elevation Summary

TABLE 1
PHOTOIONIZATION DETECTOR READING SUMMARY
SHABLE #24-20
HISTORICAL RELEASE
40.301223 / -104.681450
SE1/4 NE1/4 SEC.20 T4N R65W 6PM
WELD COUNTY, COLORADO
API # 05-123-27337
REMEDIAION # 21729

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	PID Reading (ppm-v)	Lab Submission (Y/N)
WH-SS-01 @ 6' (40.301295 / -104.681509)	02/07/22	6	256.1	Y
WH-SS-02 @ 6' (40.301283 / -104.681471)	02/07/22	6	11.4	Y
WH-SS-03 @ 6' (40.301252 / -104.681491)	02/07/22	6	8.4	Y
WH-SS-04 @ 6' (40.301265 / -104.681528)	02/07/22	6	6.6	Y
WH-FS-01 @ 7' (40.301275 / -104.681501)	02/07/22	7	56.5	Y
*Background-01 @ 3' (40.301206 / -104.681402)	02/07/22	3	9.9	Y
FL-SS-01 @ 3' (40.300277 / -104.680611)	05/03/22	3	4.8	Y
FL-SS-02 @ 3' (40.300221 / -104.680583)	05/03/22	3	1.4	Y
FL-SS-03 @ 3' (40.300181 / -104.680724)	05/03/22	3	1.1	Y
**Background-01 @ 3' (40.300111 / -104.680680)	05/03/22	3	1.0	Y
MW-01 @ 5-7.5' (40.301296 / -104.681510)	09/20/22	5-7.5	18.8	Y
MW-01 @ 12.5-15' (40.301296 / -104.681510)	09/20/22	12.5-15	6.0	Y
MW-02 @ 5-7.5' (40.301312 / -104.681477)	09/20/22	5-7.5	13.1	Y
MW-02 @ 12.5-15' (40.301312 / -104.681477)	09/20/22	12.5-15	5.1	Y
MW-03 @ 5-7.5' (40.301266 / -104.681571)	09/20/22	5-7.5	9.0	Y
MW-03 @ 12.5-15' (40.301266 / -104.681571)	09/20/22	12.5-15	5.7	Y
MW-04 @ 0-2.5' (40.301226 / -104.681480)	09/20/22	0-2.5	58.9	Y
MW-04 @ 5-7.5' (40.301226 / -104.681480)	09/20/22	5-7.5	34.8	Y
MW-04 @ 12.5-15' (40.301226 / -104.681480)	09/20/22	12.5-15	3.5	Y
***Background-01 @ 5-7.5' (40.301090 / -104.681524)	09/20/22	5-7.5	7.4	Y
***Background-01 @ 12.5-15' (40.301090 / -104.681524)	09/20/22	12.5-15	2.0	Y
Background-02 @ 5-7.5' (40.301431 / -104.681473)	09/20/22	5-7.5	4.2	Y
Background-02 @ 12.5-15' (40.301431 / -104.681473)	09/20/22	12.5-15	3.2	Y

TABLE 1
PHOTOIONIZATION DETECTOR READING SUMMARY
SHABLE #24-20
HISTORICAL RELEASE
40.301223 / -104.681450
SE1/4 NE1/4 SEC.20 T4N R65W 6PM
WELD COUNTY, COLORADO
API # 05-123-27337
REMEDIATION # 21729

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	PID Reading (ppm-v)	Lab Submission (Y/N)
HA-SS-01 @ 2-4' (40.300277 / -104.680611)	07/13/23	2-4	1.1	Y
HA-SS-02 @ 2-4' (40.300221 / -104.680583)	07/13/23	2-4	2.7	Y
HA-SS-03 @ 2-4' (40.300181 / -104.680724)	07/13/23	2-4	2.4	Y
HA-SS-04 @ 2-4' (40.300198 / -104.680835)	07/13/23	2-4	3.1	Y
HA-SS-05 @ 2-4' (40.300363 / -104.680618)	07/13/23	2-4	2.7	Y
HA-SS-06 @ 2-4' (40.300233 / -104.680416)	07/13/23	2-4	3.3	Y
HA-SS-07 @ 2-4' (40.300120 / -104.680617)	07/13/23	2-4	4.4	Y
(Y/N) = Yes or No ppm-v = parts per million by volume PID = photoionization detector				
*Background -01 was collected adjacent to the wellhead on 02/07/22 **Background-01 was collected adjacent to the flowline sample locations on 05/03/22 *** Background-01 was collected south of the wellhead on 09/20/22				

TABLE 2
SOIL ANALYTICAL RESULTS SUMMARY
SHABLE #24-20
HISTORICAL RELEASE
40.301223 / -104.681450
SE1/4 NE1/4 SEC.20 T4N R65W 6PM
WELD COUNTY, COLORADO
API # 05-123-27337
REMEDIATION # 21729

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	PID Reading (ppm-v)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-RRO (mg/kg)	1,2,4-TMB (mg/kg)	1,3,5-TMB (mg/kg)	Boron (mg/L)	Specific Conductance (mmhos/cm)	pH (pH units)	SAR
COGCC Table 915-1 Residential Screening Levels (mg/kg)				1.20	490	5.8	58	500			30	27	2	<4	6-8.3	<6
COGCC Table 915-1 Protection of Groundwater Soil Screening Levels				0.0026	0.69	0.78	9.9	--			0.0081	0.0087	--	--	--	--
WH-SS-01 @ 6' (40.301295 / -104.681509)	02/07/22	6	256.1	<0.00200	<0.00200	<0.00200	0.00488	<0.200	<25.0	<100	0.00658	0.00496	0.845	1.49	7.91	5.56
WH-SS-02 @ 6' (40.301283 / -104.681471)	02/07/22	6	11.4	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00200	<0.00200	0.140	0.574	8.12	3.23
WH-SS-03 @ 6' (40.301252 / -104.681491)	02/07/22	6	8.4	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00200	<0.00200	0.340	0.858	8.15	8.01
WH-SS-04 @ 6' (40.301265 / -104.681528)	02/07/22	6	6.6	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00200	<0.00200	0.139	0.565	8.03	2.97
WH-FS-01 @ 7' (40.301275 / -104.681501)	02/07/22	7	56.5	<0.00200	<0.00200	<0.00200	<0.00200	0.326	<25.0	<100	<0.00200	0.00414	0.492	0.723	8.46	4.06
**Background-01 @ 3' (40.301206 / -104.681402)	02/07/22	3	9.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.42	5.42
FL-SS-01 @ 3' (40.300277 / -104.680611)	05/03/22	3	4.8	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00200	<0.00200	0.492	1.73	8.43	8.83
FL-SS-02 @ 3' (40.300221 / -104.680583)	05/03/22	3	1.4	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00200	<0.00200	0.491	3.52	8.20	13.7
FL-SS-03 @ 3' (40.300181 / -104.680724)	05/03/22	3	1.1	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00200	<0.00200	0.461	4.75	8.27	22.7
***Background-01 @ 3' (40.300111 / -104.680680)	05/03/02	3	1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.25	8.09	2.26
MW-01 @ 5-7.5' (40.301296 / -104.681510)	09/20/22	5-7.5	18.8	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00200	<0.00200	NA	0.908	NA	4.30
MW-01 @ 12.5-15' (40.301296 / -104.681510)	09/20/22	12.5-15	6.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00200	<0.00200	NA	0.595	NA	2.56
MW-02 @ 5-7.5' (40.301312 / -104.681477)	09/20/22	5-7.5	13.1	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00200	<0.00200	NA	0.580	NA	2.77
MW-02 @ 12.5-15' (40.301312 / -104.681477)	09/20/22	12.5-15	5.1	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00200	<0.00200	NA	0.606	NA	2.62
MW-03 @ 5-7.5' (40.301266 / -104.681571)	09/20/22	5-7.5	9.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00200	<0.00200	NA	0.682	NA	2.52
MW-03 @ 12.5-15' (40.301266 / -104.681571)	09/20/22	12.5-15	5.7	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00200	<0.00200	NA	0.390	NA	2.62
MW-04 @ 0-2.5' (40.301226 / -104.681480)	09/20/22	0-2.5	58.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	177	<100	0.00688	0.00280	NA	0.774	NA	2.68
MW-04 @ 5-7.5' (40.301226 / -104.681480)	09/20/22	5-7.5	34.8	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00200	<0.00200	NA	0.615	NA	2.48
MW-04 @ 12.5-15' (40.301226 / -104.681480)	09/20/22	12.5-15	3.5	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00200	<0.00200	NA	0.513	NA	2.62

TABLE 2
SOIL ANALYTICAL RESULTS SUMMARY
SHABLE #24-20
HISTORICAL RELEASE
40.301223 / -104.681450
SE1/4 NE1/4 SEC.20 T4N R65W 6PM
WELD COUNTY, COLORADO
API # 05-123-27337
REMEDATION # 21729

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	PID Reading (ppm-v)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-RRO (mg/kg)	1,2,4-TMB (mg/kg)	1,3,5-TMB (mg/kg)	Boron (mg/L)	Specific Conductance (mmhos/cm)	pH (pH units)	SAR
COGCC Table 915-1 Residential Screening Levels (mg/kg)				1.20	490	5.8	58	500			30	27	2	<4	6-8.3	<6
COGCC Table 915-1 Protection of Groundwater Soil Screening Levels				0.0026	0.69	0.78	9.9	--			0.0081	0.0087	--	--	--	--
***Background-01 @ 5-7.5' (40.301090 / -104.681524)	09/20/22	5-7.5	7.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.631	NA	3.14
***Background-01 @ 12.5-15' (40.301090 / -104.681524)	09/20/22	12.5-15	2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.587	NA	2.82
Background-02 @ 5-7.5' (40.301431 / -104.681473)	09/20/22	5-7.5	4.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.658	NA	5.98
Background-02 @ 12.5-15' (40.301431 / -104.681473)	09/20/22	12.5-15	3.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.573	NA	3.22
HA-SS-01 @ 2-4' (40.300277 / -104.680611)	07/13/23	2-4	1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.446	8.03	1.29
HA-SS-02 @ 2-4' (40.300221 / -104.680583)	07/13/23	2-4	2.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.414	8.14	1.45
HA-SS-03 @ 2-4' (40.300181 / -104.680724)	07/13/23	2-4	2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.194	8.17	0.254
HA-SS-04 @ 2-4' (40.300198 / -104.680835)	07/13/23	2-4	3.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.132	6.97	0.144
HA-SS-05 @ 2-4' (40.300363 / -104.680618)	07/13/23	2-4	2.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.26	8.11	2.95
HA-SS-06 @ 2-4' (40.300233 / -104.680416)	07/13/23	2-4	3.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.220	7.94	0.135
HA-SS-07 @ 2-4' (40.300120 / -104.680617)	07/13/23	2-4	4.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.38	4.02	7.76
COGCC = Colorado Oil and Gas Conservation Commission				*Background -01 was collected adjacent to the wellhead on 02/07/22												
mg/kg = milligrams per kilogram				**Background-01 was collected adjacent to the flowline sample locations on 05/03/22												
mmhos/cm = millimhos per centimeter				*** Background-01 was collected south of the wellhead on 09/20/22												
PID = Photoionization Detector				NA = Not Analyzed				TPH-GRO = Total Petroleum Hydrocarbons - Gasoline Range Organics				1,2,4-TMB = 1,2,4-Trimethylbenzene				MDL = Minimum Detection Limits
ppm-v = parts per million by volume				TPH-DRO = Total Petroleum Hydrocarbons - Diesel Range Organics				1,3,5-TMB = 1,3,5-Trimethylbenzene								
mg/L = milligrams per liter				TPH-RRO = Total Petroleum Hydrocarbons - Residual Range Organics												
SAR = Sodium Adsorption Ratio																
Note: Values presented with a less than symbol (<) did not contain concentrations at or above the laboratory MDL and/or reporting limit.																
Note: Values presented in BOLD contained concentrations exceeding COGCC Table 915-1 Regulatory Limits.																



TABLE 3
POLYCYCLIC AROMATIC HYDROCARBONS ANALYTICAL RESULTS SUMMARY
SHABLE #24-20
HISTORICAL RELEASE
40.301223 / -104.681450
SE1/4 NE1/4 SEC.20 T4N R65W 6PM
WELD COUNTY, COLORADO
API # 05-123-27337
REMEDIATION # 21729

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	PID Reading (ppm- v)	1-Methyl- naphthalene (mg/kg)	2-Methyl- naphthalene (mg/kg)	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)	Naphthalene (mg/kg)	Pyrene (mg/kg)
COGCC Table 915-1 Residential Screening Levels				18	24	360	1,800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	2	180
COGCC Table 915-1 Protection of Groundwater Soil Screening Levels				0.006	0.019	0.55	5.8	0.011	0.24	0.3	2.9	9	0.096	8.9	0.54	0.98	0.0038	1.3
WH-SS-01 @ 6' (40.301295 / -104.681509)	02/07/22	6	256.1	0.00933*	0.00747	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	0.00321	<0.00335	<0.00335	0.00572	<0.00335	<0.00335	<0.00335
WH-SS-02 @ 6' (40.301283 / -104.681471)	02/07/22	6	11.4	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
WH-SS-03 @ 6' (40.301252 / -104.681491)	02/07/22	6	8.4	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
WH-SS-04 @ 6' (40.301265 / -104.681528)	02/07/22	6	6.6	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
WH-FS-01 @ 7' (40.301275 / -104.681501)	02/07/22	7	56.5	0.000679	0.00104	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
FL-SS-01 @ 3' (40.300277 / -104.680611)	05/03/22	3	4.8	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	0.000583	<0.00067	<0.00067	<0.00067	0.000646
FL-SS-02 @ 3' (40.300221 / -104.680583)	05/03/22	3	1.4	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
FL-SS-03 @ 3' (40.300181 / -104.680724)	05/03/22	3	1.1	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
MW-01 @ 5-7.5' (40.301296 / -104.681510)	09/20/22	5-7.5	18.8	<0.00067	<0.00067	<0.00067	0.00214	0.0104	0.0133	0.00949	0.00411	0.0129	0.00127	0.0169	<0.00067	0.00506	<0.00067	0.0357
MW-01 @ 12.5-15' (40.301296 / -104.681510)	09/20/22	12.5-15	6.0	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
MW-02 @ 5-7.5' (40.301312 / -104.681477)	09/20/22	5-7.5	13.1	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
MW-02 @ 12.5-15' (40.301312 / -104.681477)	09/20/22	12.5-15	5.1	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
MW-03 @ 5-7.5' (40.301266 / -104.681571)	09/20/22	5-7.5	9.0	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
MW-03 @ 12.5-15' (40.301266 / -104.681571)	09/20/22	12.5-15	5.7	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
MW-04 @ 0-2.5' (40.301226 / -104.681480)	09/20/22	0-2.5	58.9	0.00579	0.00443	0.0557	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	0.0138	<0.00335	0.0116	0.182	<0.00335	0.00326	0.0871
MW-04 @ 5-7.5' (40.301226 / -104.681480)	09/20/22	5-7.5	34.8	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
MW-04 @ 12.5-15' (40.301226 / -104.681480)	09/20/22	12.5-15	3.5	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067

COGCC = Colorado Oil and Gas Conservation Commission PID = Photoionization Detector
mg/kg = milligrams per kilogram ppm-v = parts per million by volume
Note: Values presented with a less than symbol (<) did not contain concentrations at or above the laboratory reporting limit.
Note: Values presented in **BOLD** contained concentrations exceeding COGCC Table 915-1 Regulatory Limits. Values presented with an asterisk (*) contained concentrations exceeding COGCC Table 915-1 Protection of Groundwater Soil Screening Levels.

TABLE 4
METALS ANALYTICAL RESULTS SUMMARY
SHABLE #24-20
HISTORICAL RELEASE
40.301223 / -104.681450
SE1/4 NE1/4 SEC.20 T4N R65W 6PM
WELD COUNTY, COLORADO
API # 05-123-27337
REMEDIATION # 21729

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Hexavalent Chromium (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
COGCC Table 915-1 Residential Screening Levels			0.68***	15,000	71	0.3**	3,100	400	1,500	390	390	23,000
COGCC Table 915-1 Protection of Groundwater Soil Screening Levels			0.29***	82	0.38	0.00067**	46	14	26	0.26	0.8	370
Local Clean-up Levels			2.98 to 3.39***	--	--	0.1 to 1**	--	--	--	--	--	--
WH-SS-01 @ 6' (40.301295 / -104.681509)	02/07/22	6	2.41***	714*	0.237	<0.488**	9.85	14.3*	8.68	0.32*	0.0908	48.6
****Background-01 @ 3' (40.301206 / -104.681402)	02/07/22	3	0.943***	32.7	NA	NA	NA	7.41	NA	0.246	NA	NA
MW-01 @ 5-7.5' (40.301296 / -104.681510)	09/20/22	5-7.5	2.12***	57.1	NA	NA	NA	<9.73	NA	<0.0973	NA	NA
MW-01 @ 12.5-15' (40.301296 / -104.681510)	09/20/22	12.5-15	2.06***	38.9	NA	NA	NA	<9.79	NA	0.122	NA	NA
MW-02 @ 5-7.5' (40.301312 / -104.681477)	09/20/22	5-7.5	2.38***	58.3	NA	NA	NA	9.86	NA	0.128	NA	NA
MW-02 @ 12.5-15' (40.301312 / -104.681477)	09/20/22	12.5-15	1.99***	28.7	NA	NA	NA	<9.86	NA	0.132	NA	NA
MW-03 @ 5-7.5' (40.301266 / -104.681571)	09/20/22	5-7.5	1.58***	75.2	NA	NA	NA	13.7	NA	0.116	NA	NA
MW-03 @ 12.5-15' (40.301266 / -104.681571)	09/20/22	12.5-15	1.31***	41.2	NA	NA	NA	12.8	NA	0.132	NA	NA
MW-04 @ 0-2.5' (40.301226 / -104.681480)	09/20/22	0-2.5	2.35***	62.0	NA	NA	NA	13.5	NA	0.137	NA	NA
MW-04 @ 5-7.5' (40.301226 / -104.681480)	09/20/22	5-7.5	2.82***	61.5	NA	NA	NA	<9.32	NA	0.169	NA	NA
MW-04 @ 12.5-15' (40.301226 / -104.681480)	09/20/22	12.5-15	2.29***	27.1	NA	NA	NA	<9.78	NA	<0.0978	NA	NA
*****Background-01 @ 5-7.5' (40.301187 / -104.681439)	09/20/22	5-7.5	2.56***	64.3	NA	NA	NA	14.2*	NA	0.271*	NA	NA
*****Background-01 @ 12.5-15' (40.301187 / -104.681439)	09/20/22	12.5-15	3.39***	30.4	NA	NA	NA	<9.55	NA	0.204	NA	NA
Background-02 @ 5-7.5' (40.301342 / -104.681630)	09/20/22	5-7.5	2.33***	64.7	NA	NA	NA	<9.72	NA	<0.0972	NA	NA
Background-02 @ 12.5-15' (40.301342 / -104.681630)	09/20/22	12.5-15	2.68***	34.2	NA	NA	NA	15.6*	NA	0.114	NA	NA

COGCC = Colorado Oil and Gas Conservation Commission
mg/kg = milligrams per kilogram
NA = Not Analyzed
Notes: Values presented with a less than symbol (<) did not contain concentrations at or above the laboratory reporting limit or minimum detection levels.
Values presented in **BOLD** contained concentrations exceeding applicable COGCC Table 915-1 Regulatory Limits.
Values presented with asterisk (*) contained concentrations exceeding COGCC Table 915-1 Protection of Groundwater Soil Screening Levels.
**Achievable practical quantitative limits for Hexavalent Chromium in soils is in the range of 0.1 to 1 mg/kg.
***The Local Clean-up Range (2.98 to 3.39 mg/kg) is 1.25*background mean (2.38 mg/kg) to highest background concentration observed (3.39 mg/kg).



**TABLE 5
GROUNDWATER ANALYTICAL RESULTS SUMMARY
SHABLE #24-20
HISTORICAL RELEASE
40.301223 / -104.681450
SE1/4 NE1/4 SEC.20 T4N R65W 6PM
WELD COUNTY, COLORADO
API # 05-123-27337
REMEDATION # 21729**

Sample Location (Latitude/Longitude)	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Napthalene (µg/L)	1,2,4-TMB (µg/L)	1,3,5-TMB (µg/L)	1-methylnaphthalene (µg/L)
COGCC Table 915-1 Regulatory Limits (µg/L)		5	560	700	1400	140	67	67	
COGCC Narrative Groundwater Quality Standards* (µg/L)		--	--	--	--	--	--	--	1.1*
MW-01 (40.301296 / -104.681510)	09/23/22	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.02
	12/19/22	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.02
	03/07/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.02
	06/12/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.02
MW-02 (40.301312 / -104.681477)	09/23/22	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	0.0077
	12/19/22	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.02
	03/07/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.02
	06/12/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.02
MW-03 (40.301266 / -104.681571)	09/23/22	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	0.00485
	12/19/22	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.02
	03/07/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.02
	06/12/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.02
MW-04 (40.301226 / -104.681480)	09/23/22	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	0.213
	12/19/22	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.02
	03/07/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.02
	06/12/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.02

Notes:

COGCC = Colorado Oil and Gas Conservation Commission
µg/L = micrograms per liter

1,2,4-TMB = 1,2,4-Trimethylbenzene
1,3,5-TMB = 1,3,5-Trimethylbenzene

*COGCC regulatory limits in groundwater have not been established for 1-methylnaphthalene and 2-methylnaphthalene. COGCC implements a narrative groundwater quality standard taken from the Environmental Protection Agency (EPA) Regional Screening Levels (RSLs) for Tapwater, as incorporated by reference in Rule 901.b, tables for Target Risk ("TR") = 1x10⁻⁶ and Target Hazard Quotient ("THQ")=0.1. The EPA RSL for Tapwater, and resultant narrative groundwater quality standard is 1.1 µg/L for 1-methylnaphthalene.

Values presented with a less than symbol (<) indicate concentrations were not observed at or above the laboratory reporting limit.

Values presented in **bold** typeface exceed their respective COGCC - Regulatory Limits (Table 915-1).



TABLE 6
INORGANIC GROUNDWATER PARAMETERS SUMMARY
SHABLE #24-20
HISTORICAL RELEASE
40.301223 / -104.681450
SE1/4 NE1/4 SEC.20 T4N R65W 6PM
WELD COUNTY, COLORADO
API # 05-123-27337
REMEDIACTION # 21729

Sample Location (Latitude/Longitude)	Date	Chlorides (mg/L)	Sulfates (mg/L)	Total Dissolved Solids (mg/L)
COGCC Table 915-1 Regulatory Limits (mg/L)		250	1.25 x Local Background (501)	1.25 x Local Background (1600)
MW-01 (40.301296 / -104.681510)	09/23/22	187	298	1070
	12/19/22	176	265	1010
	03/07/23	231	291	1120
	06/12/23	201	292	1030
MW-02 (40.301312 / -104.681477)	09/23/22	195	401	1280
	12/19/22	205	305	1080
	03/07/23	215	456	1430
	06/12/23	237	313	1280
MW-03 (40.301266 / -104.681571)	09/23/22	225	315	1140
	12/19/22	183	287	1030
	03/07/23	172	260	1030
	06/12/23	192	267	1030
MW-04 (40.301226 / -104.681480)	09/23/22	172	279	1060
	12/19/22	214	280	1010
	03/07/23	230	321	1210
	06/12/23	191	318	1120
Notes:				
mg/L - milligrams per liter				
The Inorganic Groundwater Parameters in monitoring well MW-02 were used in the determination of "local background" levels at the site. Local "regulatory limit" (1.25*local background) presented (in parentheses). Values presented in bold typeface exceed their respective COGCC - Regulatory Limits (Table 915-1).				

**TABLE 7
GROUNDWATER ELEVATION SUMMARY
SHABLE #24-20
HISTORICAL RELEASE
40.301223 / -104.681450
SE1/4 NE1/4 SEC.20 T4N R65W 6PM
WELD COUNTY, COLORADO
API # 05-123-27337
REMEDATION # 21729**

Sample Location (Latitude/Longitude)	Date	Top of Casing Elevation (feet)	Depth to Groundwater from TOC (feet)	Relative Groundwater Elevation (feet) (TOC)
MW-01 (40.301296 / -104.681510)	09/23/22	99.74	2.48	97.26
	12/19/22		4.03	95.71
	03/07/23		4.23	95.51
	06/12/23		3.06	96.68
MW-02 (40.301312 / -104.681477)	09/23/22	99.83	2.55	97.28
	12/19/22		4.15	95.68
	03/07/23		4.35	95.48
	06/12/23		3.06	96.77
MW-03 (40.301266 / -104.681571)	09/23/22	99.65	4.78	94.87
	12/19/22		5.96	93.69
	03/07/23		6.12	93.53
	06/12/23		5.76	93.89
MW-04 (40.301226 / -104.681480)	09/23/22	100.00	2.25	97.75
	12/19/22		3.88	96.12
	03/07/23		4.06	95.94
	06/12/23		2.61	97.39

Notes:

TOC - Top of Casing

bgs- below ground surface





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	(0-4') clayey SAND - dark brown, dry to moist, soft, fine to medium grained, poorly-graded with ~40% clay, N/O, N/S	SC	DP	1	90	4.4	N/A	0		
	@~4' - wet					7.7				
5	(4-15') sandy CLAY - brown and gray, wet, soft, moderately-graded, low to mod. plasticity with ~20-40% fine grained sand	CL	DP	2	95	18.8	N/A	5		
	@4-8' - gray, slight odor					5.7				
	@8' - N/O, N/S					5.4				
15	BoB @ 15'					6.0	N/A	15		
20								20		
25								25		
30								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: 09/20/22		SAND PACK INTERVAL (FEET): 2.5-15	
PROJECT: SHABLE #24-20		BENTONITE/GROUT INTERVAL (FEET): 0.5-2.5	
LOGGED BY: K. MARCUM		WELL SCREEN INTERVAL (FEET): 2.5-15	
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE		WELL DIAMETER (INCHES): 2	
BORING DEPTH (FEET): 15	WELL DEPTH (FEET): 15	<p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> 8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449	
PID INSTRUMENT: MiniRAE 3000 - PID #6			
TIME STARTED/COMPLETED: 1010/1045			
SAMPLE COLLECTION DEPTH (FT.)/TIME: 5-7.5/1015; 12.5-15/1043			

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	(0-5') clayey SAND - dark brown to black, dry to wet, soft, fine to medium grained, poorly-graded with ~40% clay, N/O, N/S	SC	DP	1	95	5.5	N/A	0		
4	@~4' - wet					10.2				
5	(5-15') sandy CLAY - brown, wet, soft, moderately graded, medium plasticity with ~40% fine-grained sand, N/O, N/S	CL	DP	2	100	13.1	N/A	5		
10						10.2				
15	BoB @ 15'	CL	DP	3	95	7.6	N/A	10		
15						5.1				
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: 09/20/22		SAND PACK INTERVAL (FEET): 2.5-15	
PROJECT: SHABLE #24-20		BENTONITE/GROUT INTERVAL (FEET): 0.5-2.5	
LOGGED BY: K. MARCUM		WELL SCREEN INTERVAL (FEET): 2.5-15	
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE		WELL DIAMETER (INCHES): 2	
BORING DEPTH (FEET): 15	WELL DEPTH (FEET): 15	<p>EAGLE ENVIRONMENTAL CONSULTING, LLC 8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>	
PID INSTRUMENT: MiniRAE 3000 - PID #6			
TIME STARTED/COMPLETED: 1100/1130			
SAMPLE COLLECTION DEPTH (FT.)/TIME: 5-7.5/1110; 12.5-15/1128			

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') clayey SAND - dark brown to black, dry to moist, soft, fine to medium grained, poorly-graded with ~40% clay, N/O, S/P	SC	DP	1	90	7.8	N/A	0	Concrete/Steel Casing Bentonite Chips 2" Dia. Sch. 40 PVC Riser	
	@~4' - wet					7.9				
5	(4-15') sandy CLAY - brown & gray, wet, soft, moderately-graded, low plasticity with ~40% fine grained sand	CL	DP	2	100	9.0	N/A	5	10/20 Silica Sand Pack 2" Dia. Sch. 40 Slotted PVC (0.010")	
	@4-7' - gray staining, slight odor					8.0				
	@7' - N/O, N/S					8.0				
15	BoB @ 15'					5.7	N/A	15	2" End Cap	
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: 09/20/22		SAND PACK INTERVAL (FEET): 2.5-15	
PROJECT: SHABLE #24-20		BENTONITE/GROUT INTERVAL (FEET): 0.5-2.5	
LOGGED BY: K. MARCUM		WELL SCREEN INTERVAL (FEET): 2.5-15	
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE		WELL DIAMETER (INCHES): 2	
BORING DEPTH (FEET): 15	WELL DEPTH (FEET): 15	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> 8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449	
PID INSTRUMENT: MiniRAE 3000 - PID #6			
TIME STARTED/COMPLETED: 1220/1240			
SAMPLE COLLECTION DEPTH (FT.)/TIME: 5-7.5/1228; 12.5-15/1238			

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') clayey SAND - dark brown to black, dry to moist, soft, fine to medium grained, poorly-graded with ~40% clay, black staining, slight odor	SC	DP	1	90	58.9	N/A	0	Concrete/Steel Casing Bentonite Chips 2" Dia. Sch. 40 PVC Riser	
4	@~4' - wet					9.6				
5	(4-15') sandy CLAY - brown & gray, wet, soft, moderately-graded, low plasticity with ~40% fine grained sand	CL	DP	2	100	34.8	N/A	5	10/20 Silica Sand Pack	
7	@4-7' - gray staining, slight odor					10.0				
15	@7' - N/O, N/S					7.4				
15	BoB @ 15'					3.5	N/A	15	2" Dia. Sch. 40 Slotted PVC (0.010")	
15								15	2" End Cap	
20								20		
25								25		
30								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: 09/20/22		SAND PACK INTERVAL (FEET): 2.5-15	
PROJECT: SHABLE #24-20		BENTONITE/GROUT INTERVAL (FEET): 0.5-2.5	
LOGGED BY: K. MARCUM		WELL SCREEN INTERVAL (FEET): 2.5-15	
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE		WELL DIAMETER (INCHES): 2	
BORING DEPTH (FEET): 15	WELL DEPTH (FEET): 15	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> <p>8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>	
PID INSTRUMENT: MiniRAE 3000 - PID #6			
TIME STARTED/COMPLETED: 1330/1400			
SAMPLE COLLECTION DEPTH (FT.)/TIME: 2.5-5/1340; 5-7.5/1345; 12.5-15/1358			

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	(0-7') clayey SAND - dark brown, dry to wet, soft, fine to medium grained, poorly-graded with ~40% clay, N/O, N/S @~4' - wet	SC	DP	1	85	7.8	N/A			
						6.7				
5		(7-15') sandy CLAY - brown, wet, soft, medium to fine grained, moderately-graded with ~40% clay, N/O, N/S	CL	DP	2	90	7.4	N/A		
							4.8			
10	BoB @ 15'					3.2	N/A			
						2.0				
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: 09/20/22		SAND PACK INTERVAL (FEET): N/A	
PROJECT: SHABLE #24-20		BENTONITE/GROUT INTERVAL (FEET): N/A	
LOGGED BY: K. MARCUM		WELL SCREEN INTERVAL (FEET): N/A	
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE		DIAMETER (INCHES): N/A	
BORING DEPTH (FEET): 15	WELL DEPTH (FEET): N/A	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> <p>8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>	
PID INSTRUMENT: MiniRAE 3000 - PID #6			
TIME STARTED/COMPLETED: 1250/1315			
SAMPLE COLLECTION DEPTH (FT.)/TIME: 5-7.5/1300; 12.5-15/1310			

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	(0-7') clayey SAND - dark brown, dry to wet, soft, fine to medium grained, poorly-graded with ~40% clay, N/O, N/S @~4' - wet	SC	DP	1	85	8.1	N/A			
						7.3				
5	(7-15') sandy CLAY - brown, wet, medium dense, medium plasticity, moderately graded, N/O, N/S, fissuring clay	CL	DP	2	95	4.2	N/A			
						4.1				
10		CL	DP	3	100	3.5	N/A			
						3.2				
15	BoB @ 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: 09/20/22		SAND PACK INTERVAL (FEET): N/A	
PROJECT: SHABLE #24-20		BENTONITE/GROUT INTERVAL (FEET): N/A	
LOGGED BY: K. MARCUM		WELL SCREEN INTERVAL (FEET): N/A	
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE		DIAMETER (INCHES): N/A	
BORING DEPTH (FEET): 15	WELL DEPTH (FEET): N/A	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> 8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449	
PID INSTRUMENT: MiniRAE 3000 - PID #6			
TIME STARTED/COMPLETED: 1145/1215			
SAMPLE COLLECTION DEPTH (FT.)/TIME: 5-7.5/1150; 12.5-15/1210			



ATTACHMENT B

Laboratory Analytical Reports



October 11, 2022

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Shable #24-20

Project Number - [none]

Attached are your analytical results for Noble - Shable #24-20 received by Origins Laboratory, Inc. September 20, 2022. This project is associated with Origins project number Y209433-01.

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01@5-7.5'	Y209433-01	Soil	September 20, 2022 10:15	09/20/2022 16:50
MW01@12.5-15'	Y209433-02	Soil	September 20, 2022 10:43	09/20/2022 16:50
Mw02@5-7.5'	Y209433-03	Soil	September 20, 2022 11:10	09/20/2022 16:50
MW02@12.5-15'	Y209433-04	Soil	September 20, 2022 11:28	09/20/2022 16:50
Mw03@5-7.5'	Y209433-05	Soil	September 20, 2022 12:25	09/20/2022 16:50
Mw03@12.5-15'	Y209433-06	Soil	September 20, 2022 12:38	09/20/2022 16:50
Mw04@0-2.5'	Y209433-07	Soil	September 20, 2022 13:40	09/20/2022 16:50
Mw04@5-7.5'	Y209433-08	Soil	September 20, 2022 13:45	09/20/2022 16:50
Mw04@12.5-15'	Y209433-09	Soil	September 20, 2022 13:58	09/20/2022 16:50

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Origins Laboratory

Sample Receipt Checklist

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

Origins Work Order: Y209433

Client: Eagle Environmental

Client Project ID: SHABLE #24-20

Checklist Completed by: DE/ISH

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

Date/time completed: 09/20/2022

Airbill #: NA

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

Cooler Number/Temperature: 1 / 13.4 °C _____ / _____ °C _____ / _____ °C (Describe)

Thermometer ID: T004

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 checked="" type="checkbox"/>		
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			<u>same day</u>
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" 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 checked="" type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			<input checked="" 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"/>	
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 AB (Project Manager)

9-22-22
 Date/Time Reviewed

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW01@5-7.5'

9/20/2022 10:15:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209433-01 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B212116	09/21/2022	09/23/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: <i>o</i> -Terphenyl	89.0 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B212616	09/26/2022	09/30/2022	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	09/30/2022	U

Surrogate: 1,2-Dichloroethane-d4	82.7 %		70-130			"	"	09/30/2022	
Surrogate: Toluene-d8	113 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	107 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW01@5-7.5'

9/20/2022 10:15:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209433-01 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	2.02		0.499	meq/L	10	[CALC]	09/21/2022	09/22/2022	
Magnesium	2.04		0.823	"	"	"	"	"	
Sodium	6.13		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L639241	09/23/2022	09/23/2022	
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	0.00214	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	0.0104	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.0133	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.00949	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	0.00411	0.000437	0.00067	"	"	"	"	"	
Chrysene	0.0129	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	0.00127	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.0169	0.000394	0.00067	"	"	"	"	"	
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	0.00506	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"	
Pyrene	0.0357	0.000643	0.00067	"	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	60.3 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	72.7 %		33-122			"	"	"	

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW01@5-7.5'

9/20/2022 10:15:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y209433-01 (Soil)

PAH by 8270D SIM

Surrogate: Nitrobenzene-d5	58.2 %		29-110			L6392 41	09/23/2022	09/23/2022	
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SAR by 20B Saturated Paste

SAR	4.30			SAR	1	B212119	09/21/2022	09/22/2022	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.908		0.00500	mmhos/cm	1	B212121	09/21/2022	09/22/2022	
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Table 915 metals by EPA 6020B

Arsenic	2.12		0.0973	mg/kg	10	B212102	09/21/2022	09/22/2022	
Barium	57.1		9.73	"	"	"	"	"	
Lead	ND		9.73	"	"	"	"	"	
Selenium	ND		0.0973	"	"	"	"	"	

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW01@12.5-15'

9/20/2022 10:43:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209433-02 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B212116	09/21/2022	09/23/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: <i>o</i> -Terphenyl	85.3 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B212616	09/26/2022	09/30/2022	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	09/30/2022	U

Surrogate: 1,2-Dichloroethane-d4	87.8 %		70-130			"	"	09/30/2022	
Surrogate: Toluene-d8	111 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	104 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW01@12.5-15'
9/20/2022 10:43:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209433-02 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	1.70		0.499	meq/L	10	[CALC]	09/21/2022	09/22/2022	
Magnesium	1.32		0.823	"	"	"	"	"	
Sodium	3.15		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L639241	09/23/2022	09/23/2022	
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"	
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW01@12.5-15'
9/20/2022 10:43:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y209433-02 (Soil)

PAH by 8270D SIM

Surrogate: 2-Fluorobiphenyl	59 %		33-115			L6392 41	09/23/2022	09/23/2022	
Surrogate: 4-Terphenyl-d14	69.3 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	58.1 %		29-110			"	"	"	

SAR by 20B Saturated Paste

SAR	2.56			SAR	1	B2I2119	09/21/2022	09/22/2022	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.595		0.00500	mmhos/cm	1	B2I2121	09/21/2022	09/22/2022	
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Table 915 metals by EPA 6020B

Arsenic	2.06		0.0979	mg/kg	10	B2I2102	09/21/2022	09/22/2022	
Barium	38.9		9.79	"	"	"	"	"	
Lead	ND		9.79	"	"	"	"	"	
Selenium	0.122		0.0979	"	"	"	"	"	

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Mw02@5-7.5'

9/20/2022 11:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209433-03 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B212116	09/21/2022	09/23/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: <i>o</i> -Terphenyl	85.1 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B212616	09/26/2022	09/30/2022	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	09/30/2022	U

Surrogate: 1,2-Dichloroethane-d4	92.2 %		70-130			"	"	09/30/2022	
Surrogate: Toluene-d8	109 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Mw02@5-7.5'

9/20/2022 11:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209433-03 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	1.47		0.499	meq/L	10	[CALC]	09/21/2022	09/22/2022	
Magnesium	1.39		0.823	"	"	"	"	"	
Sodium	3.31		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L639241	09/23/2022	09/23/2022	
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"	
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Mw02@5-7.5'

9/20/2022 11:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y209433-03 (Soil)

PAH by 8270D SIM

Surrogate: 2-Fluorobiphenyl	62.7 %		33-115			L6392 41	09/23/2022	09/23/2022	
Surrogate: 4-Terphenyl-d14	75.3 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	58.1 %		29-110			"	"	"	

SAR by 20B Saturated Paste

SAR	2.77			SAR	1	B2I2119	09/21/2022	09/22/2022	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.580		0.00500	mmhos/cm	1	B2I2121	09/21/2022	09/22/2022	
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Table 915 metals by EPA 6020B

Arsenic	2.38		0.0982	mg/kg	10	B2I2102	09/21/2022	09/22/2022	
Barium	58.3		9.82	"	"	"	"	"	
Lead	9.86		9.82	"	"	"	"	"	
Selenium	0.128		0.0982	"	"	"	"	"	

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW02@12.5-15'
9/20/2022 11:28:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209433-04 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B212116	09/21/2022	09/23/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: <i>o</i> -Terphenyl	86.4 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B212616	09/26/2022	09/30/2022	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	09/30/2022	U

Surrogate: 1,2-Dichloroethane-d4	87.8 %		70-130			"	"	09/30/2022	
Surrogate: Toluene-d8	110 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	105 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW02@12.5-15'
9/20/2022 11:28:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209433-04 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	1.74		0.499	meq/L	10	[CALC]	09/21/2022	09/22/2022	
Magnesium	1.40		0.823	"	"	"	"	"	
Sodium	3.28		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L639241	09/23/2022	09/23/2022	
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"	
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW02@12.5-15'
9/20/2022 11:28:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y209433-04 (Soil)

PAH by 8270D SIM

Surrogate: 2-Fluorobiphenyl	62.5 %		33-115			L6392 41	09/23/2022	09/23/2022	
Surrogate: 4-Terphenyl-d14	68.9 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	56.9 %		29-110			"	"	"	

SAR by 20B Saturated Paste

SAR	2.62			SAR	1	B2I2119	09/21/2022	09/22/2022	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.606		0.00500	mmhos/cm	1	B2I2121	09/21/2022	09/22/2022	
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Table 915 metals by EPA 6020B

Arsenic	1.99		0.0986	mg/kg	10	B2I2102	09/21/2022	09/22/2022	
Barium	28.7		9.86	"	"	"	"	"	
Lead	ND		9.86	"	"	"	"	"	
Selenium	0.132		0.0986	"	"	"	"	"	

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Mw03@5-7.5'

9/20/2022 12:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209433-05 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B212116	09/21/2022	09/23/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: <i>o</i> -Terphenyl	86.8 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B212616	09/26/2022	09/30/2022	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	09/30/2022	U

Surrogate: 1,2-Dichloroethane-d4	88.6 %		70-130			"	"	09/30/2022	
Surrogate: Toluene-d8	111 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	107 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Mw03@5-7.5'

9/20/2022 12:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y209433-05 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	2.21		0.499	meq/L	10	[CALC]	09/21/2022	09/22/2022	
Magnesium	1.67		0.823	"	"	"	"	"	
Sodium	3.51		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L639241	09/23/2022	09/23/2022	
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"	
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Mw03@5-7.5'

9/20/2022 12:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y209433-05 (Soil)

PAH by 8270D SIM

Surrogate: 2-Fluorobiphenyl	67.5 %		33-115			L6392 41	09/23/2022	09/23/2022	
Surrogate: 4-Terphenyl-d14	78.7 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	62 %		29-110			"	"	"	

SAR by 20B Saturated Paste

SAR	2.52			SAR	1	B2I2119	09/21/2022	09/22/2022	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.682		0.00500	mmhos/cm	1	B2I2121	09/21/2022	09/22/2022	
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Table 915 metals by EPA 6020B

Arsenic	1.58		0.0984	mg/kg	10	B2I2102	09/21/2022	09/22/2022	
Barium	75.2		9.84	"	"	"	"	"	
Lead	13.7		9.84	"	"	"	"	"	
Selenium	0.116		0.0984	"	"	"	"	"	

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Mw03@12.5-15'

9/20/2022 12:38:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209433-06 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B212116	09/21/2022	09/24/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	84.9 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B212616	09/26/2022	09/30/2022	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	09/30/2022	U

Surrogate: 1,2-Dichloroethane-d4	90.0 %		70-130			"	"	09/30/2022	
Surrogate: Toluene-d8	108 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	107 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Mw03@12.5-15'
9/20/2022 12:38:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209433-06 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	0.814		0.499	meq/L	10	[CALC]	09/21/2022	09/22/2022	
Magnesium	0.846		0.823	"	"	"	"	"	
Sodium	2.38		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L639241	09/23/2022	09/23/2022	
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"	
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Mw03@12.5-15'
9/20/2022 12:38:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y209433-06 (Soil)

PAH by 8270D SIM

Surrogate: 2-Fluorobiphenyl	69.2 %		33-115			L6392 41	09/23/2022	09/23/2022	
Surrogate: 4-Terphenyl-d14	83.4 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	66.2 %		29-110			"	"	"	

SAR by 20B Saturated Paste

SAR	2.62			SAR	1	B2I2119	09/21/2022	09/22/2022	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.390		0.00500	mmhos/cm	1	B2I2121	09/21/2022	09/22/2022	
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Table 915 metals by EPA 6020B

Arsenic	1.31		0.0996	mg/kg	10	B2I2102	09/21/2022	09/22/2022	
Barium	41.2		9.96	"	"	"	"	"	
Lead	12.8		9.96	"	"	"	"	"	
Selenium	0.132		0.0996	"	"	"	"	"	

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Mw04@0-2.5'
9/20/2022 1:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209433-07 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	177		25.0	mg/kg	1	B212116	09/21/2022	09/24/2022	
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	78.6 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.00688		0.00200	mg/kg	1	B212616	09/26/2022	09/30/2022	
1,3,5-Trimethylbenzene	0.00280		0.00200	"	"	"	"	"	
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	86.5 %		70-130			"	"	"	
Surrogate: Toluene-d8	114 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	116 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Mw04@0-2.5'
9/20/2022 1:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209433-07 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	2.09		0.499	meq/L	10	[CALC]	09/21/2022	09/22/2022	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	3.17		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	0.00579	0.00182	0.00335	mg/Kg	5	L639241	09/23/2022	09/23/2022	
2-Methylnaphthalene	0.00443	0.00323	0.00335	"	"	"	"	"	
Acenaphthene	0.0557	0.00152	0.00335	"	"	"	"	"	
Anthracene	ND	0.00167	0.00335	"	"	"	"	"	
Benzo(a)anthracene	ND	0.00247	0.00335	"	"	"	"	"	
Benzo(a)pyrene	ND	0.00234	0.00335	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.00293	0.00335	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.00219	0.00335	"	"	"	"	"	
Chrysene	0.0138	0.00312	0.00335	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.00307	0.00335	"	"	"	"	"	
Fluoranthene	0.0116	0.00197	0.00335	"	"	"	"	"	
Fluorene	0.182	0.00143	0.00335	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00314	0.00335	"	"	"	"	"	
Naphthalene	0.00326	0.00242	0.00335	"	"	"	"	"	
Pyrene	0.0871	0.00322	0.00335	"	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	48 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	76.3 %		33-122			"	"	"	

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Mw04@0-2.5'
9/20/2022 1:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y209433-07 (Soil)

PAH by 8270D SIM

Surrogate: Nitrobenzene-d5	28.8 %		29-110			L6392 41	09/23/2022	09/23/2022	
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SAR by 20B Saturated Paste

SAR	2.68			SAR	1	B212119	09/21/2022	09/22/2022	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.774		0.00500	mmhos/cm	1	B212121	09/21/2022	09/22/2022	
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Table 915 metals by EPA 6020B

Arsenic	2.35		0.0940	mg/kg	10	B212102	09/21/2022	09/22/2022	
Barium	62.0		9.40	"	"	"	"	"	
Lead	13.5		9.40	"	"	"	"	"	
Selenium	0.137		0.0940	"	"	"	"	"	

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Mw04@5-7.5'
9/20/2022 1:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209433-08 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B212116	09/21/2022	09/24/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: <i>o</i> -Terphenyl	85.9 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B212616	09/26/2022	09/30/2022	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	81.8 %		70-130			"	"	"	
Surrogate: Toluene-d8	110 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	108 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Mw04@5-7.5'
9/20/2022 1:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209433-08 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	1.89		0.499	meq/L	10	[CALC]	09/21/2022	09/22/2022	
Magnesium	1.45		0.823	"	"	"	"	"	
Sodium	3.20		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L639241	09/23/2022	09/23/2022	
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"	
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Mw04@5-7.5'

9/20/2022 1:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y209433-08 (Soil)

PAH by 8270D SIM

Surrogate: 2-Fluorobiphenyl	55.3 %		33-115			L6392 41	09/23/2022	09/23/2022	
Surrogate: 4-Terphenyl-d14	61.1 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	49.8 %		29-110			"	"	"	

SAR by 20B Saturated Paste

SAR	2.48			SAR	1	B2I2119	09/21/2022	09/22/2022	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.615		0.00500	mmhos/cm	1	B2I2121	09/21/2022	09/22/2022	
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Table 915 metals by EPA 6020B

Arsenic	2.82		0.0932	mg/kg	10	B2I2102	09/21/2022	09/22/2022	
Barium	61.5		9.32	"	"	"	"	"	
Lead	ND		9.32	"	"	"	"	"	
Selenium	0.169		0.0932	"	"	"	"	"	

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Mw04@12.5-15'
9/20/2022 1:58:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209433-09 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B212116	09/21/2022	09/24/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: <i>o</i> -Terphenyl	88.3 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B212616	09/26/2022	09/30/2022	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	82.5 %		70-130			"	"	"	
Surrogate: Toluene-d8	113 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Mw04@12.5-15'
 9/20/2022 1:58:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y209433-09 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	1.43		0.499	meq/L	10	[CALC]	09/21/2022	09/22/2022	
Magnesium	1.07		0.823	"	"	"	"	"	
Sodium	2.92		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L639241	09/23/2022	09/23/2022	
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"	
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Mw04@12.5-15'
9/20/2022 1:58:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y209433-09 (Soil)

PAH by 8270D SIM

Surrogate: 2-Fluorobiphenyl	64.7 %		33-115			L6392 41	09/23/2022	09/23/2022	
Surrogate: 4-Terphenyl-d14	71.7 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	58.7 %		29-110			"	"	"	

SAR by 20B Saturated Paste

SAR	2.62			SAR	1	B2I2119	09/21/2022	09/22/2022	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.513		0.00500	mmhos/cm	1	B2I2121	09/21/2022	09/22/2022	
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Table 915 metals by EPA 6020B

Arsenic	2.29		0.0978	mg/kg	10	B2I2102	09/21/2022	09/22/2022	
Barium	27.1		9.78	"	"	"	"	"	
Lead	ND		9.78	"	"	"	"	"	
Selenium	ND		0.0978	"	"	"	"	"	

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

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 B2I2116 - EPA 3580										
Blank (B2I2116-BLK1)										
					Prepared: 09/21/2022 Analyzed: 09/23/2022					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	23		"	24.9		92.6	50-150			

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

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 B2I2116 - EPA 3580

LCS (B2I2116-BS1)

Prepared: 09/21/2022 Analyzed: 09/23/2022

Diesel (C10-C28)	872	50.0	mg/kg	1000		87.2	70-130			
Residual Range Organics (C28-C40)	844	200	"	1000		84.4	70-130			
Surrogate: o-Terphenyl	46		"	49.8		92.3	50-150			

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

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 B2I2116 - EPA 3580

Matrix Spike (B2I2116-MS1)	Source: Y209433-01			Prepared: 09/21/2022 Analyzed: 09/23/2022						
Diesel (C10-C28)	862	50.0	mg/kg	1000	ND	86.2	70-130			
Residual Range Organics (C28-C40)	801	200	"	1000	ND	80.1	70-130			
Surrogate: o-Terphenyl	41		"	49.8		82.3	50-150			

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Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

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 B2I2116 - EPA 3580

Matrix Spike Dup (B2I2116-MSD1)	Source: Y209433-01			Prepared: 09/21/2022 Analyzed: 09/23/2022						
Diesel (C10-C28)	872	50.0	mg/kg	1000	ND	87.2	70-130	1.16	35	
Residual Range Organics (C28-C40)	840	200	"	1000	ND	84.0	70-130	4.75	35	
Surrogate: o-Terphenyl	43		"	49.8		86.9	50-150			

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 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

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 B2I2616 - EPA 5030 (soil)

Blank (B2I2616-BLK1)

Prepared: 09/26/2022 Analyzed: 09/29/2022

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.098		"	0.125	78.6		70-130			
Surrogate: Toluene-d8	0.13		"	0.125	101		70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125	100		70-130			

Origins Laboratory, Inc.



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Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

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 B2I2616 - EPA 5030 (soil)

LCS (B2I2616-BS1)

Prepared: 09/26/2022 Analyzed: 09/29/2022

1,2,4-Trimethylbenzene	0.104	0.00200	mg/kg	0.100		104	70-130			
1,3,5-Trimethylbenzene	0.106	0.00200	"	0.100		106	70-130			
Benzene	0.0989	0.00200	"	0.100		98.9	70-130			
Ethylbenzene	0.105	0.00200	"	0.100		105	70-130			
Naphthalene	0.0923	0.00380	"	0.100		92.3	70-130			
Toluene	0.0997	0.00200	"	0.100		99.7	70-130			
o-Xylene	0.105	0.00200	"	0.100		105	70-130			
m,p-Xylene	0.208	0.00400	"	0.200		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.099		"	0.125		79.0	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.4	70-130			

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Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

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 B2I2616 - EPA 5030 (soil)

Matrix Spike (B2I2616-MS1)	Source: Y209423-01			Prepared: 09/26/2022 Analyzed: 09/29/2022						
1,2,4-Trimethylbenzene	0.0723	0.00200	mg/kg	0.100	ND	72.3	70-130			
1,3,5-Trimethylbenzene	0.0749	0.00200	"	0.100	0.00172	73.2	70-130			
Benzene	0.0852	0.00200	"	0.100	ND	85.2	70-130			
Ethylbenzene	0.0803	0.00200	"	0.100	ND	80.3	70-130			
Naphthalene	0.0709	0.00380	"	0.100	ND	70.9	70-130			
Toluene	0.0805	0.00200	"	0.100	ND	80.5	70-130			
o-Xylene	0.0818	0.00200	"	0.100	ND	81.8	70-130			
m,p-Xylene	0.155	0.00400	"	0.200	ND	77.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		85.8	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.0	70-130			

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Eagle Environmental Consulting, Inc.
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 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

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 B2I2616 - EPA 5030 (soil)

Matrix Spike Dup (B2I2616-MSD1)	Source: Y209423-01			Prepared: 09/26/2022 Analyzed: 09/29/2022						
1,2,4-Trimethylbenzene	0.0796	0.00200	mg/kg	0.100	ND	79.6	70-130	9.64	20	
1,3,5-Trimethylbenzene	0.0823	0.00200	"	0.100	0.00172	80.6	70-130	9.36	20	
Benzene	0.0904	0.00200	"	0.100	ND	90.4	70-130	5.88	20	
Ethylbenzene	0.0855	0.00200	"	0.100	ND	85.5	70-130	6.37	20	
Naphthalene	0.0817	0.00380	"	0.100	ND	81.7	70-130	14.1	20	
Toluene	0.0853	0.00200	"	0.100	ND	85.3	70-130	5.81	20	
o-Xylene	0.0868	0.00200	"	0.100	ND	86.8	70-130	5.89	20	
m,p-Xylene	0.166	0.00400	"	0.200	ND	83.2	70-130	6.94	20	
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		85.7	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		97.8	70-130			

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Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

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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***** DEFAULT GENERAL METHOD *** - 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 B2I2102 - Default Prep Metals

Blank (B2I2102-BLK1)

Prepared: 09/21/2022 Analyzed: 09/23/2022

Arsenic	ND	0.000100	mg/kg							
Barium	ND	0.0100	"							
Cadmium	ND	0.000100	"							
Copper	ND	0.0100	"							
Lead	ND	0.0100	"							
Nickel	ND	0.0100	"							
Selenium	ND	0.000100	"							
Silver	ND	0.000100	"							
Zinc	ND	0.100	"							

LCS (B2I2102-BS1)

Prepared: 09/21/2022 Analyzed: 09/22/2022

Arsenic	0.0499	0.000100	mg/kg	0.0500		99.7	80-120			
Barium	5.15	0.0100	"	5.00		103	80-120			
Cadmium	0.0535	0.000100	"	0.0500		107	80-120			
Copper	0.532	0.0100	"	0.500		106	80-120			
Lead	0.0530	0.0100	"	0.0500		106	80-120			
Nickel	0.0538	0.0100	"	0.0500		108	80-120			
Selenium	0.0497	0.000100	"	0.0500		99.4	80-120			
Silver	0.0472	0.000100	"	0.0500		94.5	80-120			
Zinc	0.543	0.100	"	0.500		109	80-120			

Matrix Spike (B2I2102-MS1)

Source: Y209243-02

Prepared: 09/21/2022 Analyzed: 09/22/2022

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Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

***** DEFAULT GENERAL METHOD *** - 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 B2I2102 - Default Prep Metals

Matrix Spike (B2I2102-MS1)		Source: Y209243-02			Prepared: 09/21/2022 Analyzed: 09/22/2022					
Arsenic	7.94	0.0949	mg/kg	4.75	2.03	124	75-125			
Barium	622	9.49	"	475	41.1	122	75-125			
Cadmium	5.99	0.0949	"	4.75	0.131	124	75-125			
Copper	64.3	9.49	"	47.5	6.75	121	75-125			
Lead	14.0	9.49	"	4.75	6.43	159	75-125			QM-07
Nickel	13.1	9.49	"	4.75	5.97	151	75-125			QM-07
Selenium	5.16	0.0949	"	4.75	0.116	106	75-125			
Silver	5.21	0.0949	"	4.75	0.0253	109	75-125			
Zinc	89.0	94.9	"	47.5	24.1	137	75-125			QM-07
Matrix Spike Dup (B2I2102-MSD1)		Source: Y209243-02			Prepared: 09/21/2022 Analyzed: 09/22/2022					
Arsenic	6.73	0.0949	mg/kg	4.75	2.03	99.0	75-125	16.4	20	
Barium	563	9.49	"	475	41.1	110	75-125	10.1	20	
Cadmium	5.39	0.0949	"	4.75	0.131	111	75-125	10.6	20	
Copper	56.9	9.49	"	47.5	6.75	106	75-125	12.1	20	
Lead	11.7	9.49	"	4.75	6.43	111	75-125	17.6	20	
Nickel	11.1	9.49	"	4.75	5.97	109	75-125	16.4	20	
Selenium	4.96	0.0949	"	4.75	0.116	102	75-125	4.07	20	
Silver	4.77	0.0949	"	4.75	0.0253	100	75-125	8.70	20	
Zinc	76.2	94.9	"	47.5	24.1	110	75-125	15.6	20	

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Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Classical Chemistry Parameters - 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 B2I2119 - Default Prep Metals

Blank (B2I2119-BLK1)

Prepared: 09/21/2022 Analyzed: 09/22/2022

SAR	0.00		SAR							
Calcium PPM	ND	10.0	mg/L							
Magnesium PPM	ND	10.0	"							
Sodium PPM	ND	10.0	"							

Duplicate (B2I2119-DUP1)

Source: Y209433-01

Prepared: 09/21/2022 Analyzed: 09/22/2022

Calcium PPM	37.8	10.0	mg/L		40.5			6.98	50	
SAR	0.00		SAR		4.30			200	200	
Magnesium PPM	24.4	10.0	mg/L		24.8			1.54	50	
Sodium PPM	153	10.0	"		141			8.40	50	

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Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Saturated Paste - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B2I2121 - NO PREP										
Blank (B2I2121-BLK1)					Prepared: 09/21/2022 Analyzed: 09/22/2022					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
Duplicate (B2I2121-DUP1)					Source: Y209433-01 Prepared: 09/21/2022 Analyzed: 09/22/2022					
Specific Conductance (EC)	0.919	0.00500	mmhos/cm		0.908			1.29	25	

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Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

PAH by 8270D SIM - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L639241 - 3550B

MSD (L 87002-MSD-L639241)	Source: 87002			Prepared: 09/23/2022 Analyzed: 09/23/2022						
Fluorene	0.127	0.00067	mg/Kg	0.166	<0.000286	76.5	30-130	1.5	30	
Fluoranthene	0.133	0.00067	"	0.166	<0.000394	80.1	30-130	2.9	30	
Dibenz(a,h)anthracene	0.157	0.00067	"	0.166	<0.000614	94.5	30-130	32.9	30	
Chrysene	0.135	0.00067	"	0.166	<0.000624	81.3	30-130	0	30	
Benzo(k)fluoranthene	0.107	0.00067	"	0.166	<0.000437	64.4	30-130	23.8	30	
Indeno(1,2,3-cd)pyrene	0.162	0.00067	"	0.166	<0.000627	97.5	30-130	30.8	30	
Benzo(b)fluoranthene	0.125	0.00067	"	0.166	<0.000585	75.3	30-130	22.6	30	
Benzo(a)pyrene	0.146	0.00067	"	0.166	<0.000468	87.9	30-130	0.6	30	
Benzo(a)anthracene	0.132	0.00067	"	0.166	<0.000493	79.5	30-130	2.2	30	
Anthracene	0.137	0.00067	"	0.166	<0.000334	82.5	30-130	0.7	30	
Acenaphthene	0.123	0.00067	"	0.166	<0.000304	74	30-130	2.4	30	
2-Methylnaphthalene	0.12	0.00067	"	0.166	<0.000645	72.2	30-130	2.4	30	
1-Methylnaphthalene	0.122	0.00067	"	0.166	<0.000364	73.4	30-130	2.4	30	
Pyrene	0.132	0.00067	"	0.166	<0.000643	79.5	30-130	5.1	30	
Naphthalene	0.115	0.00067	"	0.166	<0.000484	69.2	30-130	2.5	30	
Surrogate: 2-Fluorobiphenyl	71.6		"	0.331	255	71.6	33-115			
Surrogate: Nitrobenzene-d5	60.4		"	0.331	219	60.4	29-110			
Surrogate: 4-Terphenyl-d14	78.8		"	0.331	280	78.8	33-122			

MS (L 87002-MS-L639241)	Source: 87002			Prepared: 09/23/2022 Analyzed: 09/23/2022						
Naphthalene	0.118	0.00067	mg/Kg	0.167	<0.000484	70.6	30-130			
1-Methylnaphthalene	0.125	0.00067	"	0.167	<0.000364	74.8	30-130			
Benzo(b)fluoranthene	0.157	0.00067	"	0.167	<0.000585	94	30-130			
Benzo(a)pyrene	0.147	0.00067	"	0.167	<0.000468	88	30-130			
Benzo(a)anthracene	0.135	0.00067	"	0.167	<0.000493	80.8	30-130			
Anthracene	0.136	0.00067	"	0.167	<0.000334	81.4	30-130			
Acenaphthene	0.126	0.00067	"	0.167	<0.000304	75.4	30-130			

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Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

PAH by 8270D SIM - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L639241 - 3550B

MS (L 87002-MS-L639241)		Source: 87002			Prepared: 09/23/2022 Analyzed: 09/23/2022					
Pyrene	0.139	0.00067	mg/Kg	0.167	<0.000643	83.2	30-130			
Benzo(k)fluoranthene	0.136	0.00067	"	0.167	<0.000437	81.4	30-130			
Chrysene	0.135	0.00067	"	0.167	<0.000624	80.8	30-130			
Dibenz(a,h)anthracene	0.219	0.00067	"	0.167	<0.000614	131	30-130			*
Fluoranthene	0.137	0.00067	"	0.167	<0.000394	82	30-130			
Fluorene	0.129	0.00067	"	0.167	<0.000286	77.2	30-130			
Indeno(1,2,3-cd)pyrene	0.221	0.00067	"	0.167	<0.000627	132	30-130			*
2-Methylnaphthalene	0.123	0.00067	"	0.167	<0.000645	73.6	30-130			
Surrogate: 4-Terphenyl-d14	81		"	0.333	280	81	33-122			
Surrogate: 2-Fluorobiphenyl	72.6		"	0.333	255	72.6	33-115			
Surrogate: Nitrobenzene-d5	62.7		"	0.333	219	62.7	29-110			

LCS (LCS-L639241)		Prepared: 09/23/2022 Analyzed: 09/23/2022								
Naphthalene	0.109	0.00067	mg/Kg	0.167		65.2	30-130			
Benzo(a)anthracene	0.116	0.00067	"	0.167		69.4	30-130			
Pyrene	0.127	0.00067	"	0.167		76	30-130			
Fluorene	0.118	0.00067	"	0.167		70.6	30-130			
Fluoranthene	0.124	0.00067	"	0.167		74.2	30-130			
Dibenz(a,h)anthracene	0.171	0.00067	"	0.167		102	30-130			
Chrysene	0.11	0.00067	"	0.167		65.8	30-130			
Benzo(k)fluoranthene	0.131	0.00067	"	0.167		78.4	30-130			
Indeno(1,2,3-cd)pyrene	0.177	0.00067	"	0.167		106	30-130			
Benzo(a)pyrene	0.122	0.00067	"	0.167		73	30-130			
Anthracene	0.125	0.00067	"	0.167		74.8	30-130			
Acenaphthene	0.116	0.00067	"	0.167		69.4	30-130			
2-Methylnaphthalene	0.114	0.00067	"	0.167		68.2	30-130			
1-Methylnaphthalene	0.116	0.00067	"	0.167		69.4	30-130			

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Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

PAH by 8270D SIM - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L639241 - 3550B

LCS (LCS-L639241)

Prepared: 09/23/2022 Analyzed: 09/23/2022

Benzo(b)fluoranthene	0.126	0.00067	mg/Kg	0.167		75.4	30-130			
Surrogate: Nitrobenzene-d5	63.6		"	0.333		63.6	29-110			
Surrogate: 4-Terphenyl-d14	81.3		"	0.333		81.3	33-122			
Surrogate: 2-Fluorobiphenyl	76.2		"	0.333		76.2	33-115			

LRB (LRB-L639241)

Prepared: 09/23/2022 Analyzed: 09/23/2022

Benzo(b)fluoranthene	ND	0.00067	mg/Kg				-			
Pyrene	ND	0.00067	"				-			
Naphthalene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	72.9		"	0.333		72.9	29-110			
Surrogate: 4-Terphenyl-d14	80.1		"	0.333		80.1	33-122			
Surrogate: 2-Fluorobiphenyl	72		"	0.333		72	33-115			

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, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

Notes and Definitions

U Sample is Non-Detect.

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

* QC Failure

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on 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.



September 27, 2022

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Shable #24-20

Project Number - [none]

Attached are your analytical results for Noble - Shable #24-20 received by Origins Laboratory, Inc. September 20, 2022. This project is associated with Origins project number Y209432-01.

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, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Background-01@5-7.5'	Y209432-01	Soil	September 20, 2022 13:00	09/20/2022 16:50
Background-01@12.5-15'	Y209432-02	Soil	September 20, 2022 13:10	09/20/2022 16:50
Background-02@5-7.5'	Y209432-03	Soil	September 20, 2022 11:50	09/20/2022 16:50
Background-02@12.5-15'	Y209432-04	Soil	September 20, 2022 12:10	09/20/2022 16:50

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Origins Laboratory

Sample Receipt Checklist

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

Origins Work Order: Y209432

Client: Eagle Environmental
 Client Project ID: SHABLE #24-20

Checklist Completed by: DE/DSH

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

Date/time completed: 09/20/2022

Airbill #: NA

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

Water _____ Other: _____

Cooler Number/Temperature: 1 / 13.4 °C _____ / _____ °C _____ / _____ °C (Describe)

Thermometer ID: T004

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 checked="" type="checkbox"/>		
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			<u>same day</u>
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" 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 checked="" type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			<input checked="" 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"/>	
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.

DS
 Reviewed by (Project Manager)

09-22-22
 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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Background-01@5-7.5'
9/20/2022 1:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209432-01 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	1.46	0.499	meq/L	10	[CALC]	KAP	09/21/2022	09/22/2022
Magnesium	1.39	0.823	"	"	"	KAP	"	"
Sodium	3.74	0.435	"	"	"	KAP	"	"

SAR by 20B Saturated Paste

SAR	3.14		SAR	1	B2I2108	KAP	"	"
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.631	0.00500	mmhos/cm	1	B2I2110	ACC	09/21/2022	09/22/2022
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Table 915 metals by EPA 6020B

Arsenic	2.56	0.0950	mg/kg	10	B2I2102	CIH	09/21/2022	09/22/2022
Barium	64.3	9.50	"	"	"	CIH	"	"
Lead	14.2	9.50	"	"	"	CIH	"	"
Selenium	0.271	0.0950	"	"	"	CIH	"	"

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Backaround-01@12.5-15'

9/20/2022 1:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209432-02 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	1.64	0.499	meq/L	10	[CALC]	KAP	09/21/2022	09/22/2022
Magnesium	1.17	0.823	"	"	"	KAP	"	"
Sodium	3.34	0.435	"	"	"	KAP	"	"

SAR by 20B Saturated Paste

SAR	2.82		SAR	1	B2I2108	KAP	"	"
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.587	0.00500	mmhos/cm	1	B2I2110	ACC	09/21/2022	09/22/2022
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Table 915 metals by EPA 6020B

Arsenic	3.39	0.0955	mg/kg	10	B2I2102	CIH	09/21/2022	09/22/2022
Barium	30.4	9.55	"	"	"	CIH	"	"
Lead	ND	9.55	"	"	"	CIH	"	"
Selenium	0.204	0.0955	"	"	"	CIH	"	"

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Background-02@5-7.5'
9/20/2022 11:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209432-03 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	0.815	0.499	meq/L	10	[CALC]	KAP	09/21/2022	09/22/2022
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	5.38	0.435	"	"	"	KAP	"	"

SAR by 20B Saturated Paste

SAR	5.98		SAR	1	B2I2108	KAP	"	"
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.658	0.00500	mmhos/cm	1	B2I2110	ACC	09/21/2022	09/22/2022
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Table 915 metals by EPA 6020B

Arsenic	2.33	0.0972	mg/kg	10	B2I2102	CIH	09/21/2022	09/22/2022
Barium	64.7	9.72	"	"	"	CIH	"	"
Lead	ND	9.72	"	"	"	CIH	"	"
Selenium	ND	0.0972	"	"	"	CIH	"	"

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Background-02@12.5-15'
9/20/2022 12:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209432-04 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	1.04	0.499	meq/L	10	[CALC]	KAP	09/21/2022	09/22/2022
Magnesium	1.51	0.823	"	"	"	KAP	"	"
Sodium	3.64	0.435	"	"	"	KAP	"	"

SAR by 20B Saturated Paste

SAR	3.22		SAR	1	B2I2108	KAP	"	"
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.573	0.00500	mmhos/cm	1	B2I2110	ACC	09/21/2022	09/22/2022
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Table 915 metals by EPA 6020B

Arsenic	2.68	0.0978	mg/kg	10	B2I2102	CIH	09/21/2022	09/22/2022
Barium	34.2	9.78	"	"	"	CIH	"	"
Lead	15.6	9.78	"	"	"	CIH	"	"
Selenium	0.114	0.0978	"	"	"	CIH	"	"

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

***** DEFAULT GENERAL METHOD *** - 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 B2I2102 - Default Prep Metals

Blank (B2I2102-BLK1)

Prepared: 09/21/2022 Analyzed: 09/23/2022

Arsenic	ND	0.000100	mg/kg							
Barium	ND	0.0100	"							
Cadmium	ND	0.000100	"							
Copper	ND	0.0100	"							
Lead	ND	0.0100	"							
Nickel	ND	0.0100	"							
Selenium	ND	0.000100	"							
Silver	ND	0.000100	"							
Zinc	ND	0.100	"							

LCS (B2I2102-BS1)

Prepared: 09/21/2022 Analyzed: 09/22/2022

Arsenic	0.0499	0.000100	mg/kg	0.0500		99.7	80-120			
Barium	5.15	0.0100	"	5.00		103	80-120			
Cadmium	0.0535	0.000100	"	0.0500		107	80-120			
Copper	0.532	0.0100	"	0.500		106	80-120			
Lead	0.0530	0.0100	"	0.0500		106	80-120			
Nickel	0.0538	0.0100	"	0.0500		108	80-120			
Selenium	0.0497	0.000100	"	0.0500		99.4	80-120			
Silver	0.0472	0.000100	"	0.0500		94.5	80-120			
Zinc	0.543	0.100	"	0.500		109	80-120			

Matrix Spike (B2I2102-MS1)

Source: Y209243-02

Prepared: 09/21/2022 Analyzed: 09/22/2022

Arsenic	7.94	0.0949	mg/kg	4.75	2.03	124	75-125			
Barium	622	9.49	"	475	41.1	122	75-125			
Cadmium	5.99	0.0949	"	4.75	0.131	124	75-125			
Copper	64.3	9.49	"	47.5	6.75	121	75-125			
Lead	14.0	9.49	"	4.75	6.43	159	75-125			

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

***** DEFAULT GENERAL METHOD *** - 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 B2I2102 - Default Prep Metals

Matrix Spike (B2I2102-MS1)

Source: Y209243-02

Prepared: 09/21/2022 Analyzed: 09/22/2022

Nickel	13.1	9.49	mg/kg	4.75	5.97	151	75-125			
Selenium	5.16	0.0949	"	4.75	0.116	106	75-125			
Silver	5.21	0.0949	"	4.75	0.0253	109	75-125			
Zinc	89.0	94.9	"	47.5	24.1	137	75-125			

Matrix Spike Dup (B2I2102-MSD1)

Source: Y209243-02

Prepared: 09/21/2022 Analyzed: 09/22/2022

Arsenic	6.73	0.0949	mg/kg	4.75	2.03	99.0	75-125	16.4	20	
Barium	563	9.49	"	475	41.1	110	75-125	10.1	20	
Cadmium	5.39	0.0949	"	4.75	0.131	111	75-125	10.6	20	
Copper	56.9	9.49	"	47.5	6.75	106	75-125	12.1	20	
Lead	11.7	9.49	"	4.75	6.43	111	75-125	17.6	20	
Nickel	11.1	9.49	"	4.75	5.97	109	75-125	16.4	20	
Selenium	4.96	0.0949	"	4.75	0.116	102	75-125	4.07	20	
Silver	4.77	0.0949	"	4.75	0.0253	100	75-125	8.70	20	
Zinc	76.2	94.9	"	47.5	24.1	110	75-125	15.6	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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Classical Chemistry Parameters - 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 B2I2108 - Default Prep Metals

Blank (B2I2108-BLK1)

Prepared: 09/21/2022 Analyzed: 09/22/2022

Calcium PPM	ND	10.0	mg/L							
SAR	0.00		SAR							
Magnesium PPM	ND	10.0	mg/L							
Sodium PPM	ND	10.0	"							

Duplicate (B2I2108-DUP1)

Source: Y209431-09

Prepared: 09/21/2022 Analyzed: 09/22/2022

Calcium PPM	10.9	10.0	mg/L		24.8			78.0	50	QR-DUP
SAR	0.00		SAR		0.433			200	200	
Magnesium PPM	1.76	10.0	mg/L		3.42			63.9	50	QR-DUP
Sodium PPM	4.50	10.0	"		8.68			63.3	50	QR-DUP

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Saturated Paste - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B2I2110 - NO PREP										
Blank (B2I2110-BLK1)					Prepared: 09/21/2022 Analyzed: 09/22/2022					
Specific Conductance (EC)	0.00330	0.00500	mmhos/cm							
Duplicate (B2I2110-DUP1)		Source: Y209431-09			Prepared: 09/21/2022 Analyzed: 09/22/2022					
Specific Conductance (EC)	0.102	0.00500	mmhos/cm		0.208			68.3	25	QR-DUP

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, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

Notes and Definitions

QR-DUP RPD exceeds QC acceptance criteria, this indicates source sample is not homogenous.

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.



July 19, 2023

Eagle Environmental Consulting, LLC

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Shable #24-20

Project Number - [none]

Attached are your analytical results for Noble - Shable #24-20 received by Origins Laboratory, Inc. July 14, 2023. This project is associated with Origins project number Y307301-01.

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
HA-SS-01@2-4'	Y307301-01	Soil	July 14, 2023 9:15	07/14/2023 12:00
HA-SS-02@2-4'	Y307301-02	Soil	July 14, 2023 9:20	07/14/2023 12:00
HA-SS-03@2-4'	Y307301-03	Soil	July 14, 2023 9:25	07/14/2023 12:00
HA-SS-04@2-4'	Y307301-04	Soil	July 14, 2023 9:30	07/14/2023 12:00
HA-SS-05@2-4'	Y307301-05	Soil	July 14, 2023 9:35	07/14/2023 12:00
HA-SS-06@2-4'	Y307301-06	Soil	July 14, 2023 9:40	07/14/2023 12:00
HA-SS-07@2-4'	Y307301-07	Soil	July 14, 2023 9:45	07/14/2023 12:00

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: UB07301

Client: Eagle
 Client Project ID: Shable 24-20

Checklist Completed by: JSM/EMS
 Date/time completed: 7/14/23

Shipped Via: HP
(UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Airbill #: N/A

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

Cooler Number/Temperature: 1 1.5 °C °C °C °C (Describe)

Thermometer ID: 7004

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"/>			
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" 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 checked="" type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			<input checked="" 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"/>	
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) [Signature]

Date/Time Reviewed 7/17/23

Origins Laboratory, Inc.

[Signature]

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

HA-SS-01@2-4'

7/14/2023 9:15:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y307301-01 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	1.63	0.499	meq/L	10	[CALC]	KAP	07/15/2023	07/17/2023	
Magnesium	0.956	0.823	"	"	"	KAP	"	"	
Sodium	1.47	0.435	"	"	"	KAP	"	"	

pH in Soil by 9045D

pH	8.03		pH Units	1	B3G1506	ACN	07/15/2023	07/16/2023	
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SAR by 20B Saturated Paste

SAR	1.29		SAR	1	B3G1502	KAP	07/15/2023	07/17/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.446	0.00500	mmhos/cm	1	B3G1506	ACN	07/15/2023	07/16/2023	
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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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

HA-SS-02@2-4'

7/14/2023 9:20:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y307301-02 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	1.40	0.499	meq/L	10	[CALC]	KAP	07/15/2023	07/17/2023
Magnesium	0.830	0.823	"	"	"	KAP	"	"
Sodium	1.53	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.14		pH Units	1	B3G1506	ACN	07/15/2023	07/16/2023
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SAR by 20B Saturated Paste

SAR	1.45		SAR	1	B3G1502	KAP	07/15/2023	07/17/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.414	0.00500	mmhos/cm	1	B3G1506	ACN	07/15/2023	07/16/2023
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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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

HA-SS-03@2-4'

7/14/2023 9:25:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.
 Y307301-03 (Soil)**

Metals by Saturated Paste by EPA 6010

Calcium	1.11	0.499	meq/L	10	[CALC]	KAP	07/15/2023	07/17/2023	
Magnesium	ND	0.823	"	"	"	KAP	"	"	
Sodium	ND	0.435	"	"	"	KAP	"	"	

pH in Soil by 9045D

pH	8.17		pH Units	1	B3G1506	ACN	07/15/2023	07/16/2023	
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SAR by 20B Saturated Paste

SAR	0.254		SAR	1	B3G1502	KAP	07/15/2023	07/17/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.194	0.00500	mmhos/cm	1	B3G1506	ACN	07/15/2023	07/16/2023	
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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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

HA-SS-04@2-4'

7/14/2023 9:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y307301-04 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	KAP	07/15/2023	07/17/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	ND	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	6.97		pH Units	1	B3G1506	ACN	07/15/2023	07/16/2023
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SAR by 20B Saturated Paste

SAR	0.144		SAR	1	B3G1502	KAP	07/15/2023	07/17/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.132	0.00500	mmhos/cm	1	B3G1506	ACN	07/15/2023	07/16/2023
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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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

HA-SS-05@2-4'

7/14/2023 9:35:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y307301-05 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	6.50	0.499	meq/L	10	[CALC]	KAP	07/15/2023	07/17/2023	
Magnesium	2.64	0.823	"	"	"	KAP	"	"	
Sodium	6.30	0.435	"	"	"	KAP	"	"	

pH in Soil by 9045D

pH	8.11		pH Units	1	B3G1506	ACN	07/15/2023	07/16/2023	
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SAR by 20B Saturated Paste

SAR	2.95		SAR	1	B3G1502	KAP	07/15/2023	07/17/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.26	0.00500	mmhos/cm	1	B3G1506	ACN	07/15/2023	07/16/2023	
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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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

HA-SS-06@2-4'

7/14/2023 9:40:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y307301-06 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	1.19	0.499	meq/L	10	[CALC]	KAP	07/15/2023	07/17/2023	
Magnesium	ND	0.823	"	"	"	KAP	"	"	
Sodium	ND	0.435	"	"	"	KAP	"	"	

pH in Soil by 9045D

pH	7.94		pH Units	1	B3G1506	ACN	07/15/2023	07/16/2023	
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SAR by 20B Saturated Paste

SAR	0.135		SAR	1	B3G1502	KAP	07/15/2023	07/17/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.220	0.00500	mmhos/cm	1	B3G1506	ACN	07/15/2023	07/16/2023	
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Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

HA-SS-07@2-4'

7/14/2023 9:45:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y307301-07 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	27.0	0.499	meq/L	10	[CALC]	KAP	07/17/2023	07/18/2023	
Magnesium	39.5	0.823	"	"	"	KAP	"	"	
Sodium	23.2	0.435	"	"	"	KAP	"	"	

pH in Soil by 9045D

pH	7.76		pH Units	1	B3G1718	HJD	07/17/2023	07/18/2023	
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SAR by 20B Saturated Paste

SAR	4.02		SAR	1	B3G1717	KAP	07/17/2023	07/18/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.38	0.00500	mmhos/cm	1	B3G1718	HJD	07/17/2023	07/18/2023	
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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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Classical Chemistry Parameters - 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 B3G1502 - Saturated Paste Metals

Blank (B3G1502-BLK1)

Prepared: 07/15/2023 Analyzed: 07/17/2023

Calcium PPM	ND	10.0	mg/L							
SAR	0.00		SAR							
Magnesium PPM	ND	10.0	mg/L							
Sodium PPM	ND	10.0	"							

Duplicate (B3G1502-DUP1)

Source: Y307165-01

Prepared: 07/15/2023 Analyzed: 07/17/2023

SAR	0.00		SAR		0.989			200	200	
Calcium PPM	74.5	10.0	mg/L		82.8			10.6	50	
Magnesium PPM	26.2	10.0	"		28.9			9.85	50	
Sodium PPM	37.8	10.0	"		41.0			8.04	50	

Batch B3G1717 - Saturated Paste Metals

Blank (B3G1717-BLK1)

Prepared: 07/17/2023 Analyzed: 07/18/2023

Calcium PPM	ND	10.0	mg/L							
SAR	0.00		SAR							
Magnesium PPM	ND	10.0	mg/L							
Sodium PPM	ND	10.0	"							

Duplicate (B3G1717-DUP1)

Source: Y307288-09

Prepared: 07/17/2023 Analyzed: 07/18/2023

SAR	0.00		SAR		3.15			200	200	
Calcium PPM	13.0	10.0	mg/L		17.6			30.2	50	
Magnesium PPM	3.18	10.0	"		5.91			60.1	50	QR-DUP
Sodium PPM	58.3	10.0	"		59.8			2.52	50	

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Saturated Paste - 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 B3G1506 - Saturated Paste pH/EC

Blank (B3G1506-BLK1)

Prepared: 07/15/2023 Analyzed: 07/16/2023

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B3G1506-DUP1)

Source: Y307165-01

Prepared: 07/15/2023 Analyzed: 07/16/2023

pH 8.05 pH Units 8.08 0.372 25

Specific Conductance (EC) 0.885 0.00500 mmhos/cm 0.984 10.6 25

Batch B3G1718 - Saturated Paste pH/EC

Blank (B3G1718-BLK1)

Prepared: 07/17/2023 Analyzed: 07/18/2023

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B3G1718-DUP1)

Source: Y307288-09

Prepared: 07/17/2023 Analyzed: 07/18/2023

Specific Conductance (EC) 0.318 0.00500 mmhos/cm 0.352 10.0 25

pH 8.28 pH Units 8.25 0.363 25

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

Notes and Definitions

QR-DUP RPD exceeds QC acceptance criteria, this indicates source sample is not homogenous.

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.



October 11, 2022

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Shable #24-20

Project Number - [none]

Attached are your analytical results for Noble - Shable #24-20 received by Origins Laboratory, Inc. September 23, 2022. This project is associated with Origins project number Y209567-01.

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, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01	Y209567-01	Water	September 23, 2022 14:46	09/23/2022 16:50
MW-02	Y209567-02	Water	September 23, 2022 15:04	09/23/2022 16:50
MW-03	Y209567-03	Water	September 23, 2022 15:28	09/23/2022 16:50
MW-04	Y209567-04	Water	September 23, 2022 14:28	09/23/2022 16:50

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4209507

Client: Eagle Environmental
 Client Project ID: Shable 2420

Checklist Completed by: JAB/DE

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

Date/time completed: 9/20/12

Airbill #: WIA

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

Cooler Number/Temperature: 1 / 4.0 °C / _____ °C / _____ °C (Describe) _____ °C

Thermometer ID: TC04

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	X			
Is there ice present (document if blue ice is used)?	X			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		X		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		X		
Were all samples received intact ⁽¹⁾ ?	X			
Was adequate sample volume provided ⁽¹⁾ ?	X			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		X		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	X			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	X			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	X			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	X			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		X		
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)	X			not checked
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: JAB (Project Manager)

Date/Time Reviewed: 9-27-12

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW-01

9/23/2022 2:46:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209567-01 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B2J0433	JMA	10/04/2022	10/05/2022	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	JMA	"	"	U
Benzene	ND	1.00	"	"	"	JMA	"	"	U
Ethylbenzene	ND	1.00	"	"	"	JMA	"	"	U
Naphthalene	ND	2.00	"	"	"	JMA	"	"	U
Toluene	ND	1.00	"	"	"	JMA	"	"	U
Xylenes, total	ND	1.00	"	"	"	JMA	"	"	U

Surrogate: 1,2-Dichloroethane-d4	105 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	104 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	98.7 %	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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW-02
9/23/2022 3:04:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209567-02 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B2J0433	JMA	10/04/2022	10/05/2022	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	JMA	"	"	U
Benzene	ND	1.00	"	"	"	JMA	"	"	U
Ethylbenzene	ND	1.00	"	"	"	JMA	"	"	U
Naphthalene	ND	2.00	"	"	"	JMA	"	"	U
Toluene	ND	1.00	"	"	"	JMA	"	"	U
Xylenes, total	ND	1.00	"	"	"	JMA	"	"	U

Surrogate: 1,2-Dichloroethane-d4	106 %	70-130			"	"	"	
Surrogate: Toluene-d8	103 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.8 %	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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW-03
9/23/2022 3:28:00PM

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

Origins Laboratory, Inc.
Y209567-03 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B2J0433	JMA	10/04/2022	10/05/2022	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	JMA	"	"	U
Benzene	ND	1.00	"	"	"	JMA	"	"	U
Ethylbenzene	ND	1.00	"	"	"	JMA	"	"	U
Naphthalene	ND	2.00	"	"	"	JMA	"	"	U
Toluene	ND	1.00	"	"	"	JMA	"	"	U
Xylenes, total	ND	1.00	"	"	"	JMA	"	"	U

Surrogate: 1,2-Dichloroethane-d4	105 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	104 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	98.8 %	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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW-04

9/23/2022 2:28:00PM

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

Origins Laboratory, Inc.
Y209567-04 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B2J0433	JMA	10/04/2022	10/05/2022	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	JMA	"	"	U
Benzene	ND	1.00	"	"	"	JMA	"	"	U
Ethylbenzene	ND	1.00	"	"	"	JMA	"	"	U
Naphthalene	ND	2.00	"	"	"	JMA	"	"	U
Toluene	ND	1.00	"	"	"	JMA	"	"	U
Xylenes, total	ND	1.00	"	"	"	JMA	"	"	U

Surrogate: 1,2-Dichloroethane-d4	106 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	105 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

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 B2J0433 - EPA 5030B (Water)

Blank (B2J0433-BLK1)

Prepared: 10/04/2022 Analyzed: 10/05/2022

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	68		"	62.5	109		70-130			
Surrogate: Toluene-d8	65		"	62.5	104		70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5	99.5		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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

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 B2J0433 - EPA 5030B (Water)

LCS (B2J0433-BS1)

Prepared: 10/04/2022 Analyzed: 10/05/2022

1,2,4-Trimethylbenzene	55.5	2.00	ug/L	50.0		111	70-130			
1,3,5-Trimethylbenzene	55.2	2.00	"	50.0		110	70-130			
Benzene	52.4	1.00	"	50.0		105	70-130			
Ethylbenzene	58.6	1.00	"	50.0		117	70-130			
m,p-Xylene	119	2.00	"	100		119	70-130			
Naphthalene	43.4	2.00	"	50.0		86.7	70-130			
o-Xylene	55.6	1.00	"	50.0		111	70-130			
Toluene	56.6	1.00	"	50.0		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5		102	70-130			
Surrogate: Toluene-d8	67		"	62.5		108	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.4	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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

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 B2J0433 - EPA 5030B (Water)

Matrix Spike (B2J0433-MS1)	Source: Y209567-01			Prepared: 10/04/2022 Analyzed: 10/05/2022						
1,2,4-Trimethylbenzene	61.5	2.00	ug/L	50.0	ND	123	70-130			
1,3,5-Trimethylbenzene	62.0	2.00	"	50.0	ND	124	70-130			
Benzene	59.8	1.00	"	50.0	ND	120	70-130			
Ethylbenzene	67.2	1.00	"	50.0	ND	134	70-130			QM-07
m,p-Xylene	137	2.00	"	100	0.240	137	70-130			QM-07
Naphthalene	41.0	2.00	"	50.0	0.240	81.6	70-130			
o-Xylene	61.9	1.00	"	50.0	ND	124	70-130			
Toluene	64.7	1.00	"	50.0	0.200	129	70-130			
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5		102	70-130			
Surrogate: Toluene-d8	66		"	62.5		106	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.7	70-130			

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

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 B2J0433 - EPA 5030B (Water)

Matrix Spike Dup (B2J0433-MSD1)	Source: Y209567-01			Prepared: 10/04/2022 Analyzed: 10/05/2022							
1,2,4-Trimethylbenzene	38.5	2.00	ug/L	50.0	ND	77.0	70-130	45.9	20	QR-02	
1,3,5-Trimethylbenzene	39.8	2.00	"	50.0	ND	79.6	70-130	43.5	20	QR-02	
Benzene	38.7	1.00	"	50.0	ND	77.5	70-130	42.7	20	QR-02	
Ethylbenzene	42.7	1.00	"	50.0	ND	85.4	70-130	44.6	20	QR-02	
m,p-Xylene	86.4	2.00	"	100	0.240	86.2	70-130	45.2	20	QR-02	
Naphthalene	30.9	2.00	"	50.0	0.240	61.4	70-130	28.2	20	QM-07	
o-Xylene	39.5	1.00	"	50.0	ND	79.1	70-130	44.1	20	QR-02	
Toluene	40.8	1.00	"	50.0	0.200	81.2	70-130	45.3	20	QR-02	
Surrogate: 1,2-Dichloroethane-d4	70		"	62.5		112	70-130				
Surrogate: Toluene-d8	65		"	62.5		104	70-130				
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.3	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, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

Notes and Definitions

U Sample is Non-Detect.

QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

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 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.



October 04, 2022

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Shable #24-20

Project Number - [none]

Attached are your analytical results for Noble - Shable #24-20 received by Origins Laboratory, Inc. September 23, 2022. This project is associated with Origins project number Y209565-01.

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, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01	Y209565-01	Water	September 23, 2022 14:46	09/23/2022 16:50
MW-02	Y209565-02	Water	September 23, 2022 15:04	09/23/2022 16:50
MW-03	Y209565-03	Water	September 23, 2022 15:28	09/23/2022 16:50
MW-04	Y209565-04	Water	September 23, 2022 14:28	09/23/2022 16:50

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20



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4209505

page 1 of 1

Client: Eagle Environmental Consulting
 Project Manager: Martin Eckert III
 Address: 8000 W 44th Ave
 Project Name: Shable #24-20
Wheat Ridge CO 80033
 Project Number: _____
 Telephone Number: 303-433-0474
 Samples Collected By: km
 Email Address: mc3@origins-lab.com

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			Conister #		
MW-01	9/23/22	1446	1	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>				X X X	Miles marked	1	Turnaround Time: 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"/>
MW-02		1504												2	
MW-03		1528												3	
MW-04		1425												4	
														5	
														6	
														7	
														8	
														9	
														10	
Relinquished By: <u>Kelley M</u>	Date: <u>9/23/22</u>	Time: <u>10:00</u>	Received By: <u>DE</u>	Date: <u>9/23/22</u>	Time: <u>10:50</u>	Received By:	Date:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:	

Temp Received: 4.0 Date Results Needed: 7/16/22

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 1209565

Client: Eagle Environmental
 Client Project ID: Shable #24-20

Checklist Completed by: JSH/DE

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

Date/time completed: 9/20/22

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 14.0 °C / _____ °C / _____ °C (Describe) _____ °C

Thermometer ID: T004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	X			
Is there ice present (document if blue ice is used)	X			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		X		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		X		
Were all samples received intact ⁽¹⁾ ?	X			
Was adequate sample volume provided ⁽¹⁾ ?	X			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		X		
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⁾ ?	X			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	X			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	X			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		X		
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>JBS</u>		X	<u>not checked</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.

JBS
 Reviewed by (Project Manager)

9-27-22
 Date/Time Reviewed

Origins Laboratory, Inc.

J Byron

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW-01

9/23/2022 2:46:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Y209565-01 (Water)
Origins Laboratory, Inc.

Total Dissolved Solids by 2540C

Total Dissolved Solids	1070	5.00	mg/L	1	B2I2811	SCL	09/28/2022	09/28/2022	
------------------------	------	------	------	---	---------	-----	------------	------------	--

GEL Laboratories, LLC

Anions by EPA 300.0

Chloride	187	20.0	mg/L	100	2322083	JLD1	09/23/2022	09/27/2022	
Sulfate	298	40.0	"	"	"	JLD1	"	"	

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, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

MW-02

9/23/2022 3:04:00PM

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

Y209565-02 (Water)
Origins Laboratory, Inc.

Total Dissolved Solids by 2540C

Total Dissolved Solids	1280	5.00	mg/L	1	B2I2811	SCL	09/28/2022	09/28/2022	
------------------------	------	------	------	---	---------	-----	------------	------------	--

GEL Laboratories, LLC

Anions by EPA 300.0

Chloride	195	20.0	mg/L	100	2322083	JLD1	09/23/2022	09/27/2022	
Sulfate	401	40.0	"	"	"	JLD1	"	"	

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW-03

9/23/2022 3:28:00PM

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

Y209565-03 (Water)
Origins Laboratory, Inc.

Total Dissolved Solids by 2540C

Total Dissolved Solids	1140	5.00	mg/L	1	B2I2811	SCL	09/28/2022	09/28/2022	
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GEL Laboratories, LLC

Anions by EPA 300.0

Chloride	225	20.0	mg/L	100	2322083	JLD1	09/23/2022	09/27/2022	
Sulfate	315	40.0	"	"	"	JLD1	"	"	

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, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

MW-04

9/23/2022 2:28:00PM

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

Y209565-04 (Water)
Origins Laboratory, Inc.

Total Dissolved Solids by 2540C

Total Dissolved Solids	1060	5.00	mg/L	1	B2I2811	SCL	09/28/2022	09/28/2022	
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GEL Laboratories, LLC

Anions by EPA 300.0

Chloride	172	20.0	mg/L	100	2322083	JLD1	09/23/2022	09/27/2022	
Sulfate	279	40.0	"	"	"	JLD1	"	"	

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

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 B2I2811 - NO PREP										
Blank (B2I2811-BLK1)					Prepared: 09/28/2022 Analyzed: 09/28/2022					
Total Dissolved Solids	ND	5.00	mg/L							
LCS (B2I2811-BS1)					Prepared: 09/28/2022 Analyzed: 09/28/2022					
Total Dissolved Solids	957	5.00	mg/L	997		96.0	90-110			
Duplicate (B2I2811-DUP1)		Source: Y209594-01			Prepared: 09/28/2022 Analyzed: 09/28/2022					
Total Dissolved Solids	3850	5.00	mg/L		3840			0.260	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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Anions by EPA 300.0 - Quality Control
GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2322083 -										
BLANK (1205202347-BLK)					Prepared: Analyzed: 09/27/2022					
Sulfate	ND	0.400	mg/L				-			U
Chloride	0.157	0.200	"				-			J
LCS (1205202348-BKS)					Prepared: Analyzed: 09/27/2022					
Sulfate	9.81	0.400	mg/L	10.0		98.1	90-110			
Chloride	4.75	0.200	"	5.00		94.9	90-110			
DUP (1205202349 D)		Source: Y209565-04			Prepared: Analyzed: 09/27/2022					
Sulfate	281	40.0	mg/L		279		0-20	0.585	20	
Chloride	173	20.0	"		172		0-20	0.203	20	
PS (1205202350 S)		Source: Y209565-04			Prepared: Analyzed: 09/27/2022					
Sulfate	1360	40.0	mg/L	10.0		108	90-110			
Chloride	693	20.0	"	5.00		104	90-110			

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, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

Notes and Definitions

- U Result not detected above the detection limit
- J Greater than the detection limit but less than the reporting limit
- 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.



October 04, 2022

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Shable #24-20

Project Number - [none]

Attached are your analytical results for Noble - Shable #24-20 received by Origins Laboratory, Inc. September 23, 2022. This project is associated with Origins project number Y209551-01.

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, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01	Y209551-01	Water	September 23, 2022 14:46	09/23/2022 16:50
MW-02	Y209551-02	Water	September 23, 2022 15:04	09/23/2022 16:50
MW-03	Y209551-03	Water	September 23, 2022 15:28	09/23/2022 16:50
MW-04	Y209551-04	Water	September 23, 2022 14:28	09/23/2022 16:50

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4209551

Client: Eagle Environmental
 Client Project ID: Shable #2420

Checklist Completed by: TJH/CAS

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

Date/time completed: SEP 26 2022

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 4.0°C / _____ °C / _____ °C (Describe) _____ °C

Thermometer ID: T004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	X			
Is there ice present (document if blue ice is used)	X			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		X		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		X		
Were all samples received intact ⁽¹⁾ ?	X			
Was adequate sample volume provided ⁽¹⁾ ?	X			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		X		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	X			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	X			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	X			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	X			
For volatiles in water – Is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			X	
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)			X	
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.

JTB
 Reviewed by (Project Manager)

9-27-22
 Date/Time Reviewed

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, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

MW-01
9/23/2022 2:46:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y209551-01 (Water)

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00465	0.02	µg/L	1	L640417	09/29/2022	09/29/2022	
Surrogate: 2-Fluorobiphenyl	59.8 %		38-107			"	"	"	
Surrogate: 4-Terphenyl-d14	62.7 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	53.2 %		29-110			"	"	"	

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW-02
9/23/2022 3:04:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y209551-02 (Water)

PAH by 8270D SIM

1-Methylnaphthalene	0.0077	0.00465	0.02	µg/L	1	L640417	09/29/2022	09/29/2022	J
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Surrogate: 2-Fluorobiphenyl	65.5 %		38-107			"	"	"	
Surrogate: 4-Terphenyl-d14	70.6 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	59 %		29-110			"	"	"	

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW-03
9/23/2022 3:28:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y209551-03 (Water)

PAH by 8270D SIM

1-Methylnaphthalene	0.00485	0.00465	0.02	µg/L	1	L640417	09/29/2022	09/29/2022	J
Surrogate: 2-Fluorobiphenyl	50.6 %		38-107			"	"	"	
Surrogate: 4-Terphenyl-d14	53.6 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	47.8 %		29-110			"	"	"	

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW-04

9/23/2022 2:28:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y209551-04 (Water)

PAH by 8270D SIM

1-Methylnaphthalene	0.213	0.00465	0.02	µg/L	1	L640417	09/29/2022	09/29/2022	
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Surrogate: 2-Fluorobiphenyl	64.8 %		38-107			"	"	"	
Surrogate: 4-Terphenyl-d14	67.9 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	58.6 %		29-110			"	"	"	

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

PAH by 8270D SIM - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L640417 - 3510C										
LCSD (LCSD-L640417)					Prepared: 09/29/2022 Analyzed: 09/29/2022					
1-Methylnaphthalene	2.95	0.02	µg/L	5		59	34-108	2.6	20	
Surrogate: Nitrobenzene-d5	56.6		"	10		56.6	29-110			
Surrogate: 4-Terphenyl-d14	63.4		"	10		63.4	33-122			
Surrogate: 2-Fluorobiphenyl	62.9		"	10		62.9	38-107			
LCS (LCS-L640417)					Prepared: 09/29/2022 Analyzed: 09/29/2022					
1-Methylnaphthalene	3.03	0.02	µg/L	5		60.6	34-108			
Surrogate: Nitrobenzene-d5	56.8		"	10		56.8	29-110			
Surrogate: 4-Terphenyl-d14	64.4		"	10		64.4	33-122			
Surrogate: 2-Fluorobiphenyl	62.4		"	10		62.4	38-107			
LRB (LRB-L640417)					Prepared: 09/29/2022 Analyzed: 09/29/2022					
1-Methylnaphthalene	ND	0.02	µg/L				-			
Surrogate: Nitrobenzene-d5	57.6		"	10		57.6	29-110			
Surrogate: 4-Terphenyl-d14	64.9		"	10		64.9	33-122			
Surrogate: 2-Fluorobiphenyl	63.7		"	10		63.7	38-107			

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, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

Notes and Definitions

J Estimated Value. Analyte below reported quantitation limit.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on 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.

Jordan A. Bynon, Project Manager



January 05, 2023

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Shable #24-20

Project Number - [none]

Attached are your analytical results for Noble - Shable #24-20 received by Origins Laboratory, Inc. December 19, 2022. This project is associated with Origins project number Y212444-01.

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, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01	Y212444-01	Water	December 19, 2022 9:35	12/19/2022 18:00
MW-02	Y212444-02	Water	December 19, 2022 9:55	12/19/2022 18:00
MW-03	Y212444-03	Water	December 19, 2022 10:10	12/19/2022 18:00
MW-04	Y212444-04	Water	December 19, 2022 10:25	12/19/2022 18:00

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: Y212444

Client: Eagle

Client Project ID: Shable 24-20

Checklist Completed by: JG/DE

Shipped Via: HD

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

Date/time completed: 12/20/22

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 12.6 °C / _____ °C / _____ °C (Describe) _____ °C

Thermometer ID: T004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	X			
Is there ice present (document if blue ice is used)	X			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		X		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		X		
Were all samples received intact ⁽¹⁾ ?	X			
Was adequate sample volume provided ⁽¹⁾ ?	X			
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⁾ ?	X			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	X			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	X			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	X			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		X		
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 HNO3, HCL, H2SO4) / (pH > 10 for samples preserved with NaAsO2+NaOH, ZnAc+NaOH)	X			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) [Signature]

Date/Time Reviewed 12/21/22

Origins Laboratory, Inc.

[Signature]

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW-01

12/19/2022 9:35:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.
 Y212444-01 (Water)**

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B2L2224	JSM	12/22/2022	12/26/2022	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	132 %	70-130			"	"	"	S-04
Surrogate: Toluene-d8	110 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	110 %	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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW-02

12/19/2022 9:55:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y212444-02 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B2L2224	JSM	12/22/2022	12/26/2022	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	115 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	104 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %	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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW-03

12/19/2022 10:10:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y212444-03 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B2L2224	JSM	12/22/2022	12/26/2022	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	120 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	106 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	105 %	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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW-04

12/19/2022 10:25:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y212444-04 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B2L2224	JSM	12/22/2022	12/26/2022	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	125 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	104 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	105 %	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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

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 B2L2224 - EPA 5030B (Water)

Blank (B2L2224-BLK1)

Prepared: 12/22/2022 Analyzed: 12/23/2022

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	62		"	62.5	99.7		70-130			
Surrogate: Toluene-d8	59		"	62.5	94.1		70-130			
Surrogate: 4-Bromofluorobenzene	56		"	62.5	89.4		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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

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 B2L2224 - EPA 5030B (Water)

LCS (B2L2224-BS1)

Prepared: 12/22/2022 Analyzed: 12/23/2022

1,2,4-Trimethylbenzene	54.8	2.00	ug/L	50.0		110	70-130			
1,3,5-Trimethylbenzene	54.3	2.00	"	50.0		109	70-130			
Benzene	53.4	1.00	"	50.0		107	70-130			
Ethylbenzene	52.6	1.00	"	50.0		105	70-130			
m,p-Xylene	107	2.00	"	100		107	70-130			
Naphthalene	54.1	2.00	"	50.0		108	70-130			
o-Xylene	50.5	1.00	"	50.0		101	70-130			
Toluene	52.6	1.00	"	50.0		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5		102	70-130			
Surrogate: Toluene-d8	59		"	62.5		94.1	70-130			
Surrogate: 4-Bromofluorobenzene	54		"	62.5		86.9	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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

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 B2L2224 - EPA 5030B (Water)

Matrix Spike (B2L2224-MS1)	Source: Y212444-01			Prepared: 12/22/2022 Analyzed: 12/23/2022						
1,2,4-Trimethylbenzene	46.9	2.00	ug/L	50.0	ND	93.9	70-130			
1,3,5-Trimethylbenzene	46.1	2.00	"	50.0	ND	92.1	70-130			
Benzene	47.7	1.00	"	50.0	ND	95.4	70-130			
Ethylbenzene	45.2	1.00	"	50.0	ND	90.5	70-130			
m,p-Xylene	88.3	2.00	"	100	ND	88.3	70-130			
Naphthalene	49.7	2.00	"	50.0	ND	99.4	70-130			
o-Xylene	44.3	1.00	"	50.0	ND	88.7	70-130			
Toluene	46.0	1.00	"	50.0	ND	92.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		96.5	70-130			
Surrogate: Toluene-d8	58		"	62.5		93.1	70-130			
Surrogate: 4-Bromofluorobenzene	54		"	62.5		87.1	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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

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 B2L2224 - EPA 5030B (Water)

Matrix Spike Dup (B2L2224-MSD1)	Source: Y212444-01			Prepared: 12/22/2022 Analyzed: 12/23/2022						
1,2,4-Trimethylbenzene	46.4	2.00	ug/L	50.0	ND	92.8	70-130	1.18	20	
1,3,5-Trimethylbenzene	46.1	2.00	"	50.0	ND	92.2	70-130	0.0434	20	
Benzene	47.5	1.00	"	50.0	ND	95.0	70-130	0.357	20	
Ethylbenzene	45.3	1.00	"	50.0	ND	90.6	70-130	0.177	20	
m,p-Xylene	87.4	2.00	"	100	ND	87.4	70-130	1.07	20	
Naphthalene	49.7	2.00	"	50.0	ND	99.3	70-130	0.0403	20	
o-Xylene	43.8	1.00	"	50.0	ND	87.6	70-130	1.23	20	
Toluene	46.2	1.00	"	50.0	ND	92.4	70-130	0.368	20	
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		98.3	70-130			
Surrogate: Toluene-d8	59		"	62.5		93.6	70-130			
Surrogate: 4-Bromofluorobenzene	54		"	62.5		86.7	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, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

Notes and Definitions

U Sample is Non-Detect.

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

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.



January 05, 2023

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Shable #24-20

Project Number - [none]

Attached are your analytical results for Noble - Shable #24-20 received by Origins Laboratory, Inc. December 19, 2022. This project is associated with Origins project number Y212445-01.

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, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01	Y212445-01	Water	December 19, 2022 9:35	12/19/2022 18:00
MW-02	Y212445-02	Water	December 19, 2022 9:55	12/19/2022 18:00
MW-03	Y212445-03	Water	December 19, 2022 10:10	12/19/2022 18:00
MW-04	Y212445-04	Water	December 19, 2022 10:25	12/19/2022 18:00

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: Y212445

Client: Eagle

Client Project ID: Shable 24-20

Checklist Completed by: JG/BE

Shipped Via: HS

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

Date/time completed: 12/20/22

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 2.4 °C / _____ °C / _____ °C (Describe) _____ °C

Thermometer ID: T004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	X			
Is there ice present (document if blue ice is used)	X			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		X		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		X		
Were all samples received intact ⁽¹⁾ ?	X			
Was adequate sample volume provided ⁽¹⁾ ?	X			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		X		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	X			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	X			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	X			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	X			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		X	X	
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)			X	
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) JG

Date/Time Reviewed 12/21/22

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW-01

12/19/2022 9:35:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.
 Y212445-01 (Water)**

Anions by IC 300.0

Chloride	176	31.2	mg/L	125	B2L2905	ACC	12/29/2022	12/29/2022	
Sulfate	265	31.2	"	"	"	ACC	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	1010	5.00	"	1	B2L2118	SCL	12/21/2022	12/21/2022	
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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, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

MW-02

12/19/2022 9:55:00AM

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

Origins Laboratory, Inc.
Y212445-02 (Water)

Anions by IC 300.0

Chloride	205	31.2	mg/L	125	B2L2905	ACC	12/29/2022	12/29/2022	
Sulfate	305	31.2	"	"	"	ACC	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	1080	5.00	"	1	B2L2118	SCL	12/21/2022	12/21/2022	
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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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW-03

12/19/2022 10:10:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y212445-03 (Water)

Anions by IC 300.0

Chloride	183	31.2	mg/L	125	B2L2905	ACC	12/29/2022	12/29/2022	
Sulfate	287	31.2	"	"	"	ACC	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	1030	5.00	"	1	B2L2118	SCL	12/21/2022	12/21/2022	
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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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW-04

12/19/2022 10:25:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y212445-04 (Water)

Anions by IC 300.0

Chloride	214	31.2	mg/L	125	B2L2905	ACC	12/29/2022	12/29/2022	
Sulfate	280	31.2	"	"	"	ACC	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	1010	5.00	"	1	B2L2118	SCL	12/21/2022	12/21/2022	
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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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

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 B2L2118 - NO PREP										
Blank (B2L2118-BLK1)					Prepared: 12/21/2022 Analyzed: 12/21/2022					
Total Dissolved Solids	ND	5.00	mg/L							
LCS (B2L2118-BS1)					Prepared: 12/21/2022 Analyzed: 12/21/2022					
Total Dissolved Solids	1000	5.00	mg/L	1010		99.2	90-110			
Duplicate (B2L2118-DUP1)		Source: Y212420-05			Prepared: 12/21/2022 Analyzed: 12/21/2022					
Total Dissolved Solids	710	5.00	mg/L		724			1.95	10	
Batch B2L2905 - Filter .45um non acidified										
Blank (B2L2905-BLK1)					Prepared: 12/29/2022 Analyzed: 12/29/2022					
Chloride	ND	0.250	mg/L							U
Sulfate	ND	0.250	"							U
LCS (B2L2905-BS1)					Prepared: 12/29/2022 Analyzed: 12/29/2022					
Chloride	3.83	0.250	mg/L	4.00		95.6	90-110			
Sulfate	3.76	0.250	"	4.00		94.1	90-110			
Matrix Spike (B2L2905-MS1)		Source: Y212445-03			Prepared: 12/29/2022 Analyzed: 12/29/2022					
Chloride	708		mg/L	500	183	105	90-110			
Sulfate	814		"	500	287	105	90-110			
Matrix Spike Dup (B2L2905-MSD1)		Source: Y212445-03			Prepared: 12/29/2022 Analyzed: 12/29/2022					
Chloride	679		mg/L	500	183	99.1	90-110	4.17	5	
Sulfate	778		"	500	287	98.1	90-110	4.54	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, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

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.



December 23, 2022

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Shable #24-20

Project Number - [none]

Attached are your analytical results for Noble - Shable #24-20 received by Origins Laboratory, Inc. December 19, 2022. This project is associated with Origins project number Y212447-01.

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, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01	Y212447-01	Water	December 19, 2022 9:35	12/19/2022 18:00
MW-02	Y212447-02	Water	December 19, 2022 9:55	12/19/2022 18:00
MW-03	Y212447-03	Water	December 19, 2022 10:10	12/19/2022 18:00
MW-04	Y212447-04	Water	December 19, 2022 10:25	12/19/2022 18:00

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: VZ12447

Client: Eagle

Client Project ID: Shable 24-20

Checklist Completed by: SG/DE

Shipped Via: HD

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

Date/time completed: 12/20/22

Airbill #: N/A

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

Cooler Number/Temperature: 1 12.6 °C / _____ °C / _____ °C (Describe) _____ °C

Thermometer ID: T004

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"/>			
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" 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 checked="" type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			<input checked="" 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"/>			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) [Signature]

Date/Time Reviewed 12/21/22

Origins Laboratory, Inc.

[Signature]

Jen Pellegrini For Noelle Doyle Mathis, President

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW-01

12/19/2022 9:35:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y212447-01 (Water)

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.0076	0.02	µg/L	1	L655220	12/21/2022	12/21/2022	
---------------------	----	--------	------	------	---	---------	------------	------------	--

Surrogate: 2-Fluorobiphenyl	96 %		70-130			"	"	"	
Surrogate: 4-Terphenyl-d14	89.8 %		70-130			"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

MW-02

12/19/2022 9:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Waypoint Analytical, LLC.
Y212447-02 (Water)

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.0076	0.02	µg/L	1	L655220	12/21/2022	12/21/2022	
---------------------	----	--------	------	------	---	---------	------------	------------	--

Surrogate: 2-Fluorobiphenyl	79.9 %		70-130			"	"	"	
Surrogate: 4-Terphenyl-d14	90.4 %		70-130			"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW-03

12/19/2022 10:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Waypoint Analytical, LLC.
Y212447-03 (Water)

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.0076	0.02	µg/L	1	L655220	12/21/2022	12/21/2022	
---------------------	----	--------	------	------	---	---------	------------	------------	--

Surrogate: 2-Fluorobiphenyl	74.6 %		70-130			"	"	"	
Surrogate: 4-Terphenyl-d14	90.1 %		70-130			"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW-04

12/19/2022 10:25:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Waypoint Analytical, LLC.
Y212447-04 (Water)

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.0076	0.02	µg/L	1	L655220	12/21/2022	12/21/2022	
---------------------	----	--------	------	------	---	---------	------------	------------	--

Surrogate: 2-Fluorobiphenyl	74.9 %		70-130			"	"	"	
Surrogate: 4-Terphenyl-d14	97 %		70-130			"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

PAH by 8270D SIM - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L655220 - 3511										
LCSD (LCSD-L655220)					Prepared: 12/21/2022 Analyzed: 12/21/2022					
1-Methylnaphthalene	2.97	0.02	µg/L	3.03		98	60-140	2	20	
Surrogate: 4-Terphenyl-d14	92.4		"	3.03		92.4	70-130			
Surrogate: 2-Fluorobiphenyl	105		"	3.03		105	70-130			
LCS (LCS-L655220)					Prepared: 12/21/2022 Analyzed: 12/21/2022					
1-Methylnaphthalene	2.91	0.02	µg/L	3.03		96	60-140			
Surrogate: 4-Terphenyl-d14	94		"	3.03		94	70-130			
Surrogate: 2-Fluorobiphenyl	97.3		"	3.03		97.3	70-130			
LRB (LRB-L655220)					Prepared: 12/21/2022 Analyzed: 12/21/2022					
1-Methylnaphthalene	ND	0.02	µg/L				-			
Surrogate: 4-Terphenyl-d14	101		"	3.03		101	70-130			
Surrogate: 2-Fluorobiphenyl	99.6		"	3.03		99.6	70-130			

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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.



March 16, 2023

Eagle Environmental Consulting, LLC

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Shable #24-20

Project Number - [none]

Attached are your analytical results for Noble - Shable #24-20 received by Origins Laboratory, Inc. March 07, 2023. This project is associated with Origins project number Y303170-01.

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01	Y303170-01	Water	March 7, 2023 9:50	03/07/2023 14:55
MW-02	Y303170-02	Water	March 7, 2023 10:20	03/07/2023 14:55
MW-03	Y303170-03	Water	March 7, 2023 10:40	03/07/2023 14:55
MW-04	Y303170-04	Water	March 7, 2023 10:55	03/07/2023 14:55

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: Y303170

Client: Eagle
 Client Project ID: shable 24-20

Checklist Completed by: BE

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

Date/time completed: 03/07/2023

Airbill #: N/A

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

Cooler Number/Temperature: (/ 29) °C / _____ °C / _____ °C (Describe) _____ °C

Thermometer ID: T1004

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"/>			
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" 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 checked="" type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		<input checked="" 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"/>			<u>MC</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) [Signature]

Date/Time Reviewed 3/8/23

Origins Laboratory, Inc.

[Signature]

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW-01

3/7/2023 9:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303170-01 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3C0834	JSM	03/08/2023	03/10/2023	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	98.7 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	100 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW-02
3/7/2023 10:20:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303170-02 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3C0834	JSM	03/08/2023	03/10/2023	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	101 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	97.8 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %	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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW-03

3/7/2023 10:40:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303170-03 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3C0834	JSM	03/08/2023	03/10/2023	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	101 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	98.3 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %	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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW-04

3/7/2023 10:55:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303170-04 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3C0834	JSM	03/08/2023	03/10/2023	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	101 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	100 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %	70-130			"	"	"	"	

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

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 B3C0834 - EPA 5030B (Water)										
Blank (B3C0834-BLK1)										
					Prepared: 03/08/2023 Analyzed: 03/10/2023					
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	61		"	62.5		97.5	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.1	70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

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 B3C0834 - EPA 5030B (Water)

LCS (B3C0834-BS1)

Prepared: 03/08/2023 Analyzed: 03/10/2023

1,2,4-Trimethylbenzene	52.9	2.00	ug/L	50.0		106	70-130			
1,3,5-Trimethylbenzene	54.6	2.00	"	50.0		109	70-130			
Benzene	50.8	1.00	"	50.0		102	70-130			
Ethylbenzene	52.9	1.00	"	50.0		106	70-130			
m,p-Xylene	104	2.00	"	100		104	70-130			
Naphthalene	48.7	2.00	"	50.0		97.5	70-130			
o-Xylene	50.9	1.00	"	50.0		102	70-130			
Toluene	50.6	1.00	"	50.0		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		97.2	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.7	70-130			

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

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 B3C0834 - EPA 5030B (Water)

Matrix Spike (B3C0834-MS1)	Source: Y303170-01			Prepared: 03/08/2023 Analyzed: 03/10/2023						
1,2,4-Trimethylbenzene	9.51	2.00	ug/L	50.0	ND	19.0	70-130			QM-07
1,3,5-Trimethylbenzene	9.79	2.00	"	50.0	ND	19.6	70-130			QM-07
Benzene	10.0	1.00	"	50.0	ND	20.1	70-130			QM-07
Ethylbenzene	10.1	1.00	"	50.0	ND	20.2	70-130			QM-07
m,p-Xylene	19.6	2.00	"	100	ND	19.6	70-130			QM-07
Naphthalene	12.6	2.00	"	50.0	ND	25.2	70-130			QM-07
o-Xylene	10.0	1.00	"	50.0	ND	20.0	70-130			QM-07
Toluene	9.96	1.00	"	50.0	ND	19.9	70-130			QM-07
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5		102	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

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 B3C0834 - EPA 5030B (Water)

Matrix Spike Dup (B3C0834-MSD1)	Source: Y303170-01			Prepared: 03/08/2023 Analyzed: 03/10/2023						
1,2,4-Trimethylbenzene	23.0	2.00	ug/L	50.0	ND	46.1	70-130	83.2	20	QM-07
1,3,5-Trimethylbenzene	24.3	2.00	"	50.0	ND	48.6	70-130	85.1	20	QM-07
Benzene	23.8	1.00	"	50.0	ND	47.6	70-130	81.3	20	QM-07
Ethylbenzene	24.7	1.00	"	50.0	ND	49.5	70-130	84.0	20	QM-07
m,p-Xylene	49.2	2.00	"	100	ND	49.2	70-130	86.0	20	QM-07
Naphthalene	23.8	2.00	"	50.0	ND	47.7	70-130	61.5	20	QM-07
o-Xylene	24.4	1.00	"	50.0	ND	48.7	70-130	83.5	20	QM-07
Toluene	24.2	1.00	"	50.0	ND	48.4	70-130	83.4	20	QM-07
Surrogate: 1,2-Dichloroethane-d4	62		"	62.5		98.8	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.2	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	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

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

Notes and Definitions

U Sample is Non-Detect.

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 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.



March 14, 2023

Eagle Environmental Consulting, LLC

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Shable #24-20

Project Number - [none]

Attached are your analytical results for Noble - Shable #24-20 received by Origins Laboratory, Inc. March 07, 2023. This project is associated with Origins project number Y303169-01.

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.

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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

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01	Y303169-01	Water	March 7, 2023 9:50	03/07/2023 14:55
MW-02	Y303169-02	Water	March 7, 2023 10:20	03/07/2023 14:55
MW-03	Y303169-03	Water	March 7, 2023 10:40	03/07/2023 14:55
MW-04	Y303169-04	Water	March 7, 2023 10:55	03/07/2023 14:55

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: Y303169

Client: Eagle

Client Project ID: Shable 24-20

Checklist Completed by: DE

Shipped Via: HD

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

Date/time completed: 03/02/2023

Airbill #: NA

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

Cooler Number/Temperature: 1 / 2.9 °C _____ / _____ °C _____ / _____ °C (Describe)

Thermometer ID: T004

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 type="checkbox"/>	<input checked="" 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 HNO3, HCL, H2SO4) / (pH >10 for samples preserved with NaAsO2+NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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) [Signature]

Date/Time Reviewed 3/8/23

Origins Laboratory, Inc.

[Signature]

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW-01

3/7/2023 9:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303169-01 (Water)

Anions by IC 300.0

Chloride	231	31.2	mg/L	125	B3C0804	ACC	03/08/2023	03/08/2023	
Sulfate	291	31.2	"	"	"	ACC	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	1120	5.00	"	1	B3C0817	SCL	03/08/2023	03/08/2023	
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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

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

MW-02

3/7/2023 10:20:00AM

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

Origins Laboratory, Inc.
Y303169-02 (Water)

Anions by IC 300.0

Chloride	215	31.2	mg/L	125	B3C0804	ACC	03/08/2023	03/08/2023	
Sulfate	456	31.2	"	"	"	ACC	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	1430	5.00	"	1	B3C0817	SCL	03/08/2023	03/08/2023	
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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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW-03

3/7/2023 10:40:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303169-03 (Water)

Anions by IC 300.0

Chloride	172	31.2	mg/L	125	B3C0804	ACC	03/08/2023	03/08/2023	
Sulfate	260	31.2	"	"	"	ACC	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	1030	5.00	"	1	B3C0817	SCL	03/08/2023	03/08/2023	
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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

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

MW-04

3/7/2023 10:55:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303169-04 (Water)

Anions by IC 300.0

Chloride	230	31.2	mg/L	125	B3C0804	ACC	03/08/2023	03/08/2023	
Sulfate	321	31.2	"	"	"	ACC	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	1210	5.00	"	1	B3C0817	SCL	03/08/2023	03/08/2023	
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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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

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 B3C0804 - Filter .45um non acidified										
Blank (B3C0804-BLK1)					Prepared: 03/08/2023 Analyzed: 03/08/2023					
Chloride	ND	0.250	mg/L							U
Sulfate	ND	0.250	"							U
LCS (B3C0804-BS1)					Prepared: 03/08/2023 Analyzed: 03/08/2023					
Chloride	3.62	0.250	mg/L	4.00		90.4	90-110			
Sulfate	3.62	0.250	"	4.00		90.6	90-110			
Matrix Spike (B3C0804-MS1)		Source: Y303169-01			Prepared: 03/08/2023 Analyzed: 03/08/2023					
Chloride	688		mg/L	500	231	91.3	90-110			
Sulfate	737		"	500	291	89.2	90-110			QM-07
Matrix Spike Dup (B3C0804-MSD1)		Source: Y303169-01			Prepared: 03/08/2023 Analyzed: 03/08/2023					
Chloride	684		mg/L	500	231	90.6	90-110	0.554	5	
Sulfate	734		"	500	291	88.5	90-110	0.452	5	QM-07
Batch B3C0817 - NO PREP										
Blank (B3C0817-BLK1)					Prepared: 03/08/2023 Analyzed: 03/08/2023					
Total Dissolved Solids	ND	5.00	mg/L							
LCS (B3C0817-BS1)					Prepared: 03/08/2023 Analyzed: 03/08/2023					
Total Dissolved Solids	1010	5.00	mg/L	1010		100	90-110			
Duplicate (B3C0817-DUP1)		Source: Y303139-01			Prepared: 03/08/2023 Analyzed: 03/08/2023					
Total Dissolved Solids	1760	5.00	mg/L		1790			1.69	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

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

Notes and Definitions

U Sample is Non-Detect.

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 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.



March 16, 2023

Eagle Environmental Consulting, LLC

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Shable #24-20

Project Number - [none]

Attached are your analytical results for Noble - Shable #24-20 received by Origins Laboratory, Inc. March 07, 2023. This project is associated with Origins project number Y303168-01.

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



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01	Y303168-01	Water	March 7, 2023 9:50	03/07/2023 14:55
MW-02	Y303168-02	Water	March 7, 2023 10:20	03/07/2023 14:55
MW-03	Y303168-03	Water	March 7, 2023 10:40	03/07/2023 14:55
MW-04	Y303168-04	Water	March 7, 2023 10:55	03/07/2023 14:55

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: Y303168

Client: Eagle

Client Project ID: Shable #24-20

Checklist Completed by: DE

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

Date/time completed: 03/07/2023

Airbill #: NA

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

Cooler Number/Temperature: 1, 2.9 °C / _____ °C / _____ °C (Describe) _____ °C

Thermometer ID: T004

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 type="checkbox"/>	<input checked="" 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) [Signature]

Date/Time Reviewed 3/6/23

Origins Laboratory, Inc.

[Signature]

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

MW-01
3/7/2023 9:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y303168-01 (Water)

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.0076	0.02	µg/L	1	L669056	03/10/2023	03/10/2023	
---------------------	----	--------	------	------	---	---------	------------	------------	--

Surrogate: 2-Fluorobiphenyl

105 %

70-130

"

"

"

Surrogate: 4-Terphenyl-d14

94.4 %

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

MW-02
3/7/2023 10:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y303168-02 (Water)

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.0076	0.02	µg/L	1	L669056	03/10/2023	03/10/2023	
---------------------	----	--------	------	------	---	---------	------------	------------	--

Surrogate: 2-Fluorobiphenyl

100 %

70-130

"

"

"

Surrogate: 4-Terphenyl-d14

75.9 %

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

MW-03
3/7/2023 10:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Waypoint Analytical, LLC.
Y303168-03 (Water)

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.0076	0.02	µg/L	1	L669056	03/10/2023	03/10/2023	
---------------------	----	--------	------	------	---	---------	------------	------------	--

Surrogate: 2-Fluorobiphenyl	107 %		70-130			"	"	"	
Surrogate: 4-Terphenyl-d14	114 %		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

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

MW-04
3/7/2023 10:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y303168-04 (Water)

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.0076	0.02	µg/L	1	L669056	03/10/2023	03/10/2023	
---------------------	----	--------	------	------	---	---------	------------	------------	--

Surrogate: 2-Fluorobiphenyl

107 %

70-130

"

"

"

Surrogate: 4-Terphenyl-d14

92.1 %

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

PAH by 8270D SIM - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L669056 - 3511										
LCSD (LCSD-L669056)					Prepared: 03/10/2023 Analyzed: 03/10/2023					
1-Methylnaphthalene	3	0.02	µg/L	3.03		99	60-140	0.9	20	
Surrogate: 4-Terphenyl-d14	100		"	3.03		100	70-130			
Surrogate: 2-Fluorobiphenyl	106		"	3.03		106	70-130			
LCS (LCS-L669056)					Prepared: 03/10/2023 Analyzed: 03/10/2023					
1-Methylnaphthalene	3.03	0.02	µg/L	3.03		100	60-140			
Surrogate: 4-Terphenyl-d14	94.3		"	3.03		94.3	70-130			
Surrogate: 2-Fluorobiphenyl	101		"	3.03		101	70-130			
LRB (LRB-L669056)					Prepared: 03/10/2023 Analyzed: 03/10/2023					
1-Methylnaphthalene	ND	0.02	µg/L				-			
Surrogate: 4-Terphenyl-d14	106		"	3.03		106	70-130			
Surrogate: 2-Fluorobiphenyl	102		"	3.03		102	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

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

Notes and Definitions

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.



June 19, 2023

Eagle Environmental Consulting, LLC

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Shable #24-20

Project Number - [none]

Attached are your analytical results for Noble - Shable #24-20 received by Origins Laboratory, Inc. June 12, 2023. This project is associated with Origins project number Y306290-01.

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01	Y306290-01	Water	June 12, 2023 13:00	06/12/2023 14:52
MW-02	Y306290-02	Water	June 12, 2023 13:15	06/12/2023 14:52
MW-03	Y306290-03	Water	June 12, 2023 13:15	06/12/2023 14:52
MW-04	Y306290-04	Water	June 12, 2023 13:00	06/12/2023 14:52

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

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

Sample Receipt Checklist

Origins Work Order: 1300290 Client: Eagle
 Client Project ID: Shable #24-20

Checklist Completed by: JSH/EAS Shipped Via: HD
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Date/time completed: 6/12/23 Airbill #: na

Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____
 Cooler Number/Temperature: 1, 3 °C 1 °C 1 °C (Describe) _____ °C
 Thermometer ID: T004

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.		<u>EAS</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)			/	
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) [Signature]

Date/Time Reviewed 6/13/23

Origins Laboratory, Inc.

[Signature]

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW-01

6/12/2023 1:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306290-01 (Water)

Anions by IC 300.0

Chloride	201	31.2	mg/L	125	B3F1404	ACC	06/14/2023	06/14/2023	
Sulfate	292	31.2	"	"	"	ACC	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	1030	5.00	"	1	B3F1616	EMILI	06/16/2023	06/19/2023	
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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

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

MW-02

6/12/2023 1:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306290-02 (Water)

Anions by IC 300.0

Chloride	237	31.2	mg/L	125	B3F1404	ACC	06/14/2023	06/14/2023	
Sulfate	313	31.2	"	"	"	ACC	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	1280	5.00	"	1	B3F1616	EMILI	06/16/2023	06/19/2023	
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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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW-03

6/12/2023 1:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306290-03 (Water)

Anions by IC 300.0

Chloride	192	31.2	mg/L	125	B3F1404	ACC	06/14/2023	06/14/2023	
Sulfate	267	31.2	"	"	"	ACC	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	1030	5.00	"	1	B3F1616	EMILI	06/16/2023	06/19/2023	
------------------------	------	------	---	---	---------	-------	------------	------------	--

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW-04

6/12/2023 1:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306290-04 (Water)

Anions by IC 300.0

Chloride	191	31.2	mg/L	125	B3F1404	ACC	06/14/2023	06/14/2023	
Sulfate	318	31.2	"	"	"	ACC	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	1120	5.00	"	1	B3F1616	EMILI	06/16/2023	06/19/2023	
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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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

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 B3F1404 - Filter .45um non acidified										
Blank (B3F1404-BLK1)					Prepared: 06/14/2023 Analyzed: 06/14/2023					
Chloride	ND	0.250	mg/L							
Sulfate	ND	0.250	"							
LCS (B3F1404-BS1)					Prepared: 06/14/2023 Analyzed: 06/14/2023					
Chloride	3.96	0.250	mg/L	4.00		99.1	90-110			
Sulfate	3.83	0.250	"	4.00		95.8	90-110			
Matrix Spike (B3F1404-MS1)		Source: Y306290-03			Prepared: 06/14/2023 Analyzed: 06/14/2023					
Chloride	731		mg/L	500	192	108	90-110			
Sulfate	783		"	500	267	103	90-110			
Matrix Spike Dup (B3F1404-MSD1)		Source: Y306290-03			Prepared: 06/14/2023 Analyzed: 06/14/2023					
Chloride	730		mg/L	500	192	108	90-110	0.157	5	
Sulfate	788		"	500	267	104	90-110	0.697	5	
Batch B3F1616 - NO PREP										
Blank (B3F1616-BLK1)					Prepared: 06/16/2023 Analyzed: 06/19/2023					
Total Dissolved Solids	ND	5.00	mg/L							
LCS (B3F1616-BS1)					Prepared: 06/16/2023 Analyzed: 06/19/2023					
Total Dissolved Solids	967	5.00	mg/L	1000		96.7	90-110			
Duplicate (B3F1616-DUP1)		Source: Y306290-01			Prepared: 06/16/2023 Analyzed: 06/19/2023					
Total Dissolved Solids	1100	5.00	mg/L		1030			6.39	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

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

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.



June 20, 2023

Eagle Environmental Consulting, LLC

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Shable #24-20

Project Number - [none]

Attached are your analytical results for Noble - Shable #24-20 received by Origins Laboratory, Inc. June 12, 2023. This project is associated with Origins project number Y306292-01.

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01	Y306292-01	Water	June 12, 2023 13:00	06/12/2023 14:52
MW-02	Y306292-02	Water	June 12, 2023 13:15	06/12/2023 14:52
MW-03	Y306292-03	Water	June 12, 2023 13:15	06/12/2023 14:52
MW-04	Y306292-04	Water	June 12, 2023 13:00	06/12/2023 14:52

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

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

Sample Receipt Checklist

Origins Work Order: YB00292 Client: Eagle
 Client Project ID: Shable #24-20
 Checklist Completed by: TSH/EAS Shipped Via: HD
 Date/time completed: 10/12/23 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Airbill #: na
 Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____
 Cooler Number/Temperature: 1, 3 °C 1 °C 1 °C 1 °C (Describe)
 Thermometer ID: T004

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 (> ½ 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 HNO3, HCL, H2SO4) / (pH >10 for samples preserved with NaAsO2+NaOH, ZnAc+NaOH)	/			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) _____ Date/Time Reviewed _____

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW-01

6/12/2023 1:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306292-01 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3F1322	JSM	06/13/2023	06/13/2023	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	113 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	96.2 %	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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW-02
6/12/2023 1:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306292-02 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3F1322	JSM	06/13/2023	06/13/2023	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	97.7 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	108 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	96.7 %	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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW-03

6/12/2023 1:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306292-03 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3F1322	JSM	06/13/2023	06/13/2023	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	97.3 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	106 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	96.4 %	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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

MW-04

6/12/2023 1:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306292-04 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3F1322	JSM	06/13/2023	06/13/2023	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	97.9 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	109 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	99.8 %	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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

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 B3F1322 - EPA 5030B (Water)

Blank (B3F1322-BLK1)

Prepared: 06/13/2023 Analyzed: 06/13/2023

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	62		"	62.5	99.1		70-130			
Surrogate: Toluene-d8	72		"	62.5	114		70-130			
Surrogate: 4-Bromofluorobenzene	56		"	62.5	90.1		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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

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 B3F1322 - EPA 5030B (Water)

LCS (B3F1322-BS1)

Prepared: 06/13/2023 Analyzed: 06/13/2023

1,2,4-Trimethylbenzene	54.1	2.00	ug/L	50.0		108	70-130			
1,3,5-Trimethylbenzene	55.1	2.00	"	50.0		110	70-130			
Benzene	47.5	1.00	"	50.0		95.0	70-130			
Ethylbenzene	55.4	1.00	"	50.0		111	70-130			
m,p-Xylene	105	2.00	"	100		105	70-130			
Naphthalene	50.0	2.00	"	50.0		100	70-130			
o-Xylene	58.3	1.00	"	50.0		117	70-130			
Toluene	58.9	1.00	"	50.0		118	70-130			
Surrogate: 1,2-Dichloroethane-d4	58		"	62.5		93.2	70-130			
Surrogate: Toluene-d8	66		"	62.5		106	70-130			
Surrogate: 4-Bromofluorobenzene	67		"	62.5		107	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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

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 B3F1322 - EPA 5030B (Water)

Matrix Spike (B3F1322-MS1)	Source: Y306249-01			Prepared: 06/13/2023 Analyzed: 06/13/2023						
1,2,4-Trimethylbenzene	56.1	2.00	ug/L	50.0	ND	112	70-130			
1,3,5-Trimethylbenzene	58.3	2.00	"	50.0	ND	117	70-130			
Benzene	49.4	1.00	"	50.0	ND	98.9	70-130			
Ethylbenzene	58.0	1.00	"	50.0	ND	116	70-130			
m,p-Xylene	109	2.00	"	100	ND	109	70-130			
Naphthalene	41.4	2.00	"	50.0	0.170	82.5	70-130			
o-Xylene	60.4	1.00	"	50.0	ND	121	70-130			
Toluene	63.3	1.00	"	50.0	ND	127	70-130			
Surrogate: 1,2-Dichloroethane-d4	57		"	62.5		91.9	70-130			
Surrogate: Toluene-d8	68		"	62.5		108	70-130			
Surrogate: 4-Bromofluorobenzene	66		"	62.5		105	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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

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 B3F1322 - EPA 5030B (Water)

Matrix Spike Dup (B3F1322-MSD1)	Source: Y306249-01			Prepared: 06/13/2023 Analyzed: 06/13/2023						
1,2,4-Trimethylbenzene	55.6	2.00	ug/L	50.0	ND	111	70-130	0.841	20	
1,3,5-Trimethylbenzene	56.6	2.00	"	50.0	ND	113	70-130	2.89	20	
Benzene	49.3	1.00	"	50.0	ND	98.5	70-130	0.385	20	
Ethylbenzene	56.6	1.00	"	50.0	ND	113	70-130	2.55	20	
m,p-Xylene	104	2.00	"	100	ND	104	70-130	4.35	20	
Naphthalene	45.5	2.00	"	50.0	0.170	90.7	70-130	9.41	20	
o-Xylene	59.2	1.00	"	50.0	ND	118	70-130	1.89	20	
Toluene	63.6	1.00	"	50.0	ND	127	70-130	0.441	20	
Surrogate: 1,2-Dichloroethane-d4	58		"	62.5		92.2	70-130			
Surrogate: Toluene-d8	67		"	62.5		107	70-130			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		104	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

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

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.

June 20, 2023

Eagle Environmental Consulting, LLC

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Shable #24-20

Project Number - [none]

Attached are your analytical results for Noble - Shable #24-20 received by Origins Laboratory, Inc. June 12, 2023. This project is associated with Origins project number Y306294-01.

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



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01	Y306294-01	Water	June 12, 2023 13:00	06/12/2023 14:52
MW-02	Y306294-02	Water	June 12, 2023 13:15	06/12/2023 14:52
MW-03	Y306294-03	Water	June 12, 2023 13:15	06/12/2023 14:52
MW-04	Y306294-04	Water	June 12, 2023 13:00	06/12/2023 14:52

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

www.originslaboratory.com

page | of |

7600294

ORIGINS
LABORATORY, INC

Client: Eagle Environmental Consulting
 Address: 8000 W 44th Ave
Wheat Ridge, CO 80033
 Telephone Number: 303-433-0479
 Email Address: Mca3@eagle-enviro.com

Project Manager: Martin Eckert III
 Project Name: Shable #24-20
 Project Number:
 Samples Collected By: IM/EL

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions		
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air/Summa Continer #			Other	
MW-01	6/12/23	1300	2	X				X						
MW-02		1315	1											
MW-03		1315	1											
MW-04		1500	1											

Relinquished By: [Signature] Date: 6/12/23 Time: 1452

Relinquished By: [Signature] Date: 6/12/23 Time: 1452

Received By: [Signature] Date: 6/12/23 Time: 1452

Received By: [Signature] Date: 6/12/23 Time: 1452

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

Temp Received: 3

Date Results Needed: Noble

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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4300294

Client: Eagle

Client Project ID: Shable #24-20

Checklist Completed by: JH/CHS

Shipped Via: HL

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

Date/time completed: 6/12/23

Airbill #: na

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

Cooler Number/Temperature: 1 / 3 °C 1 °C 1 °C (Describe) °C

Thermometer ID: 7004

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 type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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) [Signature]

Date/Time Reviewed 6/13/23

Origins Laboratory, Inc.

[Signature]

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

MW-01
6/12/2023 1:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y306294-01 (Water)

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.0076	0.02	µg/L	1	L688056	06/16/2023	06/16/2023	
---------------------	----	--------	------	------	---	---------	------------	------------	--

Surrogate: 2-Fluorobiphenyl	70.3 %		70-130			"	"	"	
Surrogate: 4-Terphenyl-d14	110 %		70-130			"	"	"	

Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

MW-02
6/12/2023 1:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y306294-02 (Water)

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.0076	0.02	µg/L	1	L688056	06/16/2023	06/16/2023	
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Surrogate: 2-Fluorobiphenyl	78.5 %		70-130			"	"	"	
Surrogate: 4-Terphenyl-d14	112 %		70-130			"	"	"	

Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

MW-03
6/12/2023 1:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y306294-03 (Water)

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.0076	0.02	µg/L	1	L688056	06/16/2023	06/16/2023	
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Surrogate: 2-Fluorobiphenyl	84.2 %		70-130			"	"	"	
Surrogate: 4-Terphenyl-d14	115 %		70-130			"	"	"	

Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

MW-04
6/12/2023 1:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y306294-04 (Water)

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.0076	0.02	µg/L	1	L688056	06/16/2023	06/16/2023	
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Surrogate: 2-Fluorobiphenyl

80.2 %

70-130

"

"

"

Surrogate: 4-Terphenyl-d14

119 %

70-130

"

"

"

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Shable #24-20

PAH by 8270D SIM - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L688056 - 3511										
LCSD (LCSD-L688056)					Prepared: 06/16/2023 Analyzed: 06/16/2023					
1-Methylnaphthalene	3.04	0.02	µg/L	3.03		100	60-140	4.7	20	
Surrogate: 4-Terphenyl-d14	111		"	3.03		111	70-130			
Surrogate: 2-Fluorobiphenyl	97.3		"	3.03		97.3	70-130			
LCS (LCS-L688056)					Prepared: 06/16/2023 Analyzed: 06/16/2023					
1-Methylnaphthalene	2.9	0.02	µg/L	3.03		95.7	60-140			
Surrogate: 4-Terphenyl-d14	108		"	3.03		108	70-130			
Surrogate: 2-Fluorobiphenyl	89.7		"	3.03		89.7	70-130			
LRB (LRB-L688056)					Prepared: 06/16/2023 Analyzed: 06/16/2023					
1-Methylnaphthalene	ND	0.02	µg/L				-			
Surrogate: 4-Terphenyl-d14	112		"	3.03		112	70-130			
Surrogate: 2-Fluorobiphenyl	101		"	3.03		101	70-130			

Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

Notes and Definitions

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.



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