



FIGURES

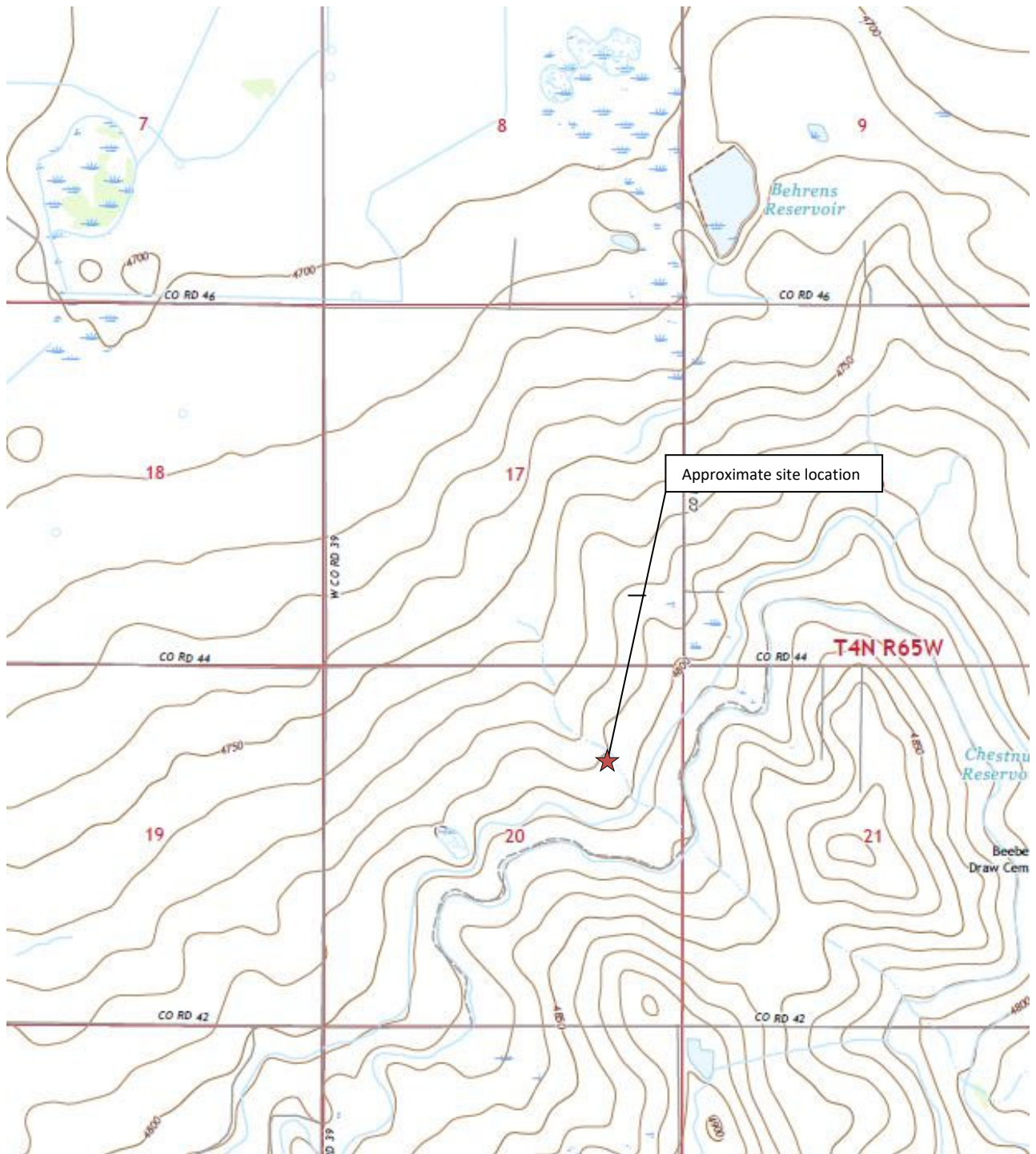
Figure 1: Topographic Site Location Map

Figure 2: Aerial Site Location Map

Figure 3: Soil Analytical Map

Figure 4: Polycyclic Aromatic Hydrocarbons Map

Figure 5: Metals in Soil Map



Topographic Site Location Map

Shable #24-20
 Closure Assessment
 40.301223 / -104.681450
 SE ¼ NE ¼ Sec. 20 T4N R65W 6PM
 Weld County, Colorado
 API # 05-123-27337
 Remediation # 21729



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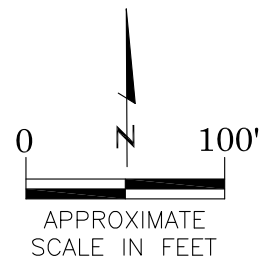
Source: USGS 7.5 Minute Topographic Map, La Salle, CO Quadrangle 2019

Figure 1



LEGEND

- FORMER SHABLE #24-20 WELLHEAD (PLUGGED AND ABANDONED)
- ASSOCIATED SEPARATOR
- APPROXIMATE FLOWLINE LOCATION



AERIAL SITE LOCATION 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

DATE: 02/17/22

FIG. NO.
2

DRAWN BY:
AMN



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 8000 W 44th Ave, Wheat Ridge, CO 80033
 Ph: 303-433-0479 • F: 303-325-5449



WH-SS-01@6'
02/07/22
6'
B = <0.00200
T = <0.00200
E = <0.00200
X = 0.00488
G = <0.200
D = <25.0
R = <100
1,2,4-TMB = 0.00658
1,3,5-TMB = 0.00496
Brn = 0.845
EC = 1.49
SAR = 5.56
pH = 7.91

WH-SS-02@6'
02/07/22
6'
B = <0.00200
T = <0.00200
E = <0.00200
X = <0.00200
G = <0.200
D = <25.0
R = <100
1,2,4-TMB = <0.00200
1,3,5-TMB = <0.00200
Brn = 0.140
EC = 0.574
SAR = 3.23
pH = 8.12

WH-SS-04@6'
02/07/22
6'
B = <0.00200
T = <0.00200
E = <0.00200
X = <0.00200
G = <0.200
D = <25.0
R = <100
1,2,4-TMB = <0.00200
1,3,5-TMB = <0.00200
Brn = 0.139
EC = 0.565
SAR = 2.97
pH = 8.03

WH-SS-03@6'
02/07/22
6'
B = <0.00200
T = <0.00200
E = <0.00200
X = <0.00200
G = <0.200
D = <25.0
R = <100
1,2,4-TMB = <0.00200
1,3,5-TMB = <0.00200
Brn = 0.340
EC = 0.858
SAR = **8.01**
pH = 8.15

WH-FS-01@7'
02/07/22
7'
B = <0.00200
T = <0.00200
E = <0.00200
X = <0.00200
G = 0.326
D = <25.0
R = <100
1,2,4-TMB = <0.00200
1,3,5-TMB = 0.00414
Brn = 0.492
EC = 0.723
SAR = 4.06
pH = **8.46**

LEGEND

- INITIAL ASSESSMENT BOUNDARIES
- SS-02 APPROXIMATE LOCATION OF SOIL SAMPLES
SUBMITTED FOR LABORATORY ANALYSIS

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)
Brn = BORON (mg/L)
EC = SPECIFIC CONDUCTANCE (mmhos/cm)
SAR = SODIUM ADSORPTION RATIO
pH = pH (PH UNITS)

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

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

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

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

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

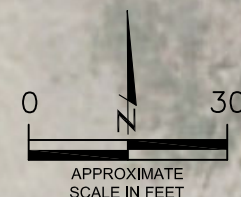
COGCC = COLORADO OIL AND GAS CONSERVATION
COMMISSION

SOIL ANALYTICAL MAP
SHABLE #24-20
CLOSURE ASSESSMENT
40.301223 / -104.681450
SE 1/4 NE 1/4 SEC. 20 T4N R65W 6PM
WELD COUNTY, COLORADO
API # 05-123-27337
REMEDIAL ACTION # 21729

DATE:
02/21/22
DRAWN BY:
AMN
FIG.
NO. 3



EAGLE
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WH-SS-01@6'
02/07/22
6'
ND = <0.00335
1-Methylnaphthalene = **0.00933***
2-Methylnaphthalene = 0.00747
Acenaphthene = ND
Anthracene = ND
Benzo(a)anthracene = ND
Benzo(a)pyrene = ND
Benzo(b)fluoranthene = ND
Benzo(k)fluoranthene = ND
Chrysene = 0.00321
Dibenzo(a,h)anthracene = ND
Fluoranthene = ND
Fluorene = 0.00572
Indeno(1,2,3-CD)pyrene = ND
Naphthalene = ND
Pyrene = ND

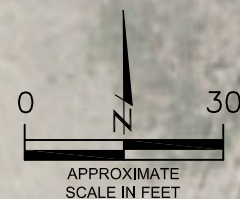
WH-SS-02@6'
02/07/22
6'
ND = <0.00067
1-Methylnaphthalene = ND
2-Methylnaphthalene = ND
Acenaphthene = ND
Anthracene = ND
Benzo(a)anthracene = ND
Benzo(a)pyrene = ND
Benzo(b)fluoranthene = ND
Benzo(k)fluoranthene = ND
Chrysene = ND
Dibenzo(a,h)anthracene = ND
Fluoranthene = ND
Fluorene = ND
Indeno(1,2,3-CD)pyrene = ND
Naphthalene = ND
Pyrene = ND

WH-SS-04@6'
02/07/22
6'
ND = <0.00067
1-Methylnaphthalene = ND
2-Methylnaphthalene = ND
Acenaphthene = ND
Anthracene = ND
Benzo(a)anthracene = ND
Benzo(a)pyrene = ND
Benzo(b)fluoranthene = ND
Benzo(k)fluoranthene = ND
Chrysene = ND
Dibenzo(a,h)anthracene = ND
Fluoranthene = ND
Fluorene = ND
Indeno(1,2,3-CD)pyrene = ND
Naphthalene = ND
Pyrene = ND

WH-SS-01
WH-SS-02
WH-FS-01
WH-SS-04
WH-SS-03

WH-SS-03@6'
02/07/22
6'
ND = <0.00067
1-Methylnaphthalene = ND
2-Methylnaphthalene = ND
Acenaphthene = ND
Anthracene = ND
Benzo(a)anthracene = ND
Benzo(a)pyrene = ND
Benzo(b)fluoranthene = ND
Benzo(k)fluoranthene = ND
Chrysene = ND
Dibenzo(a,h)anthracene = ND
Fluoranthene = ND
Fluorene = ND
Indeno(1,2,3-CD)pyrene = ND
Naphthalene = ND
Pyrene = ND

WH-FS-01@7'
02/07/22
7'
ND = <0.00067
1-Methylnaphthalene = 0.000679
2-Methylnaphthalene = 0.00104
Acenaphthene = ND
Anthracene = ND
Benzo(a)anthracene = ND
Benzo(a)pyrene = ND
Benzo(b)fluoranthene = ND
Benzo(k)fluoranthene = ND
Chrysene = ND
Dibenzo(a,h)anthracene = ND
Fluoranthene = ND
Fluorene = ND
Indeno(1,2,3-CD)pyrene = ND
Naphthalene = ND
Pyrene = ND



LEGEND

--- INITIAL ASSESSMENT BOUNDARIES

● SS-02 APPROXIMATE LOCATION OF SOIL SAMPLES
SUBMITTED FOR LABORATORY ANALYSIS

PARAMETERS

SAMPLE LOCATION
DATE SAMPLE COLLECTED
APPROXIMATE DEPTH

POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)

NOTE:
CONCENTRATIONS PRESENTED IN mg/kg

mg/kg = MILLIGRAMS PER KILOGRAM

ND = NON-DETECT

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

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

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

COGCC = COLORADO OIL AND GAS CONSERVATION COMMISSION

POLYCYCLIC AROMATIC HYDROCARBONS MAP

SHABLE #24-20
CLOSURE ASSESSMENT
40.301223 / -104.681450
SE ¼ NE ¼ SEC.20 T4N R65W 6PM
WELD COUNTY, COLORADO
API # 05-123-27337
REMEDIATION # 21729

DATE:
02/21/22

DRAWN BY:
AMN

FIG.
NO. 4

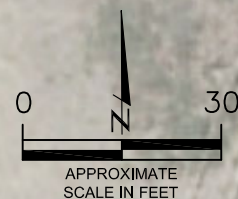


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Ph: 303-433-0479 • F: 303-325-5449

WH-SS-01@6'
02/07/22
6'

Arsenic = **2.41*****
Barium = **714***
Cadmium = 0.237
Chromium (VI) = <0.488**
Copper = 9.85
Lead = **14.3***
Nickel = 8.68
Selenium = **0.32***
Silver = 0.0908
Zinc = 48.6

WH-SS-01
WH-SS-02 (NS)
WH-FS-01 (NS)
WH-SS-04 (NS)
WH-SS-03 (NS)



LEGEND

- INITIAL ASSESSMENT BOUNDARIES
- APPROXIMATE LOCATION OF SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

PARAMETERS

SAMPLE LOCATION
DATE SAMPLE COLLECTED
APPROXIMATE DEPTH
Barium = (mg/kg)
Cadmium = (mg/kg)
Chromium (VI) = (mg/kg)
Copper = (mg/kg)
Lead = (mg/kg)
Nickel = (mg/kg)
Selenium = (mg/kg)
Silver = (mg/kg)
Zinc = (mg/kg)

mg/kg = MILLIGRAMS PER KILOGRAM

(NS) – NOT SAMPLED

NOTE:

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

VALUES PRESENTED IN **BOLD** VALUES CONTAIN CONCENTRATIONS EXCEEDING COGCC TABLE 915-1 VALUES

*VALUES EXCEED COGCC TABLE 915-1 "PROTECTION OF GROUNDWATER SOIL SCREENING LEVELS" FOR THAT COMPOUND.

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

***ARSENIC IS NATURALLY OCCURRING IN COLORADO. BACKGROUND ANALYSIS PENDING

COGCC = COLORADO OIL AND GAS CONSERVATION COMMISSION

METALS IN SOIL MAP
SHABLE #24-20
CLOSURE ASSESSMENT
40.301223 / -104.681450
SE¼ NE¼ SEC.20 T4N R65W 6PM
WELD COUNTY, COLORADO
API # 05-123-27337
REMIADIATION # 21729

DATE:
02/21/22

DRAWN BY:
AMN

FIG.
NO. 5



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ENVIRONMENTAL
CONSULTING, INC.
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Ph: 303-433-0479 • F: 303-325-5449



ATTACHMENT A

Photo Log

Shable #24-20

API # 05-123-27337

Remediation # 21729

Closure Assessment

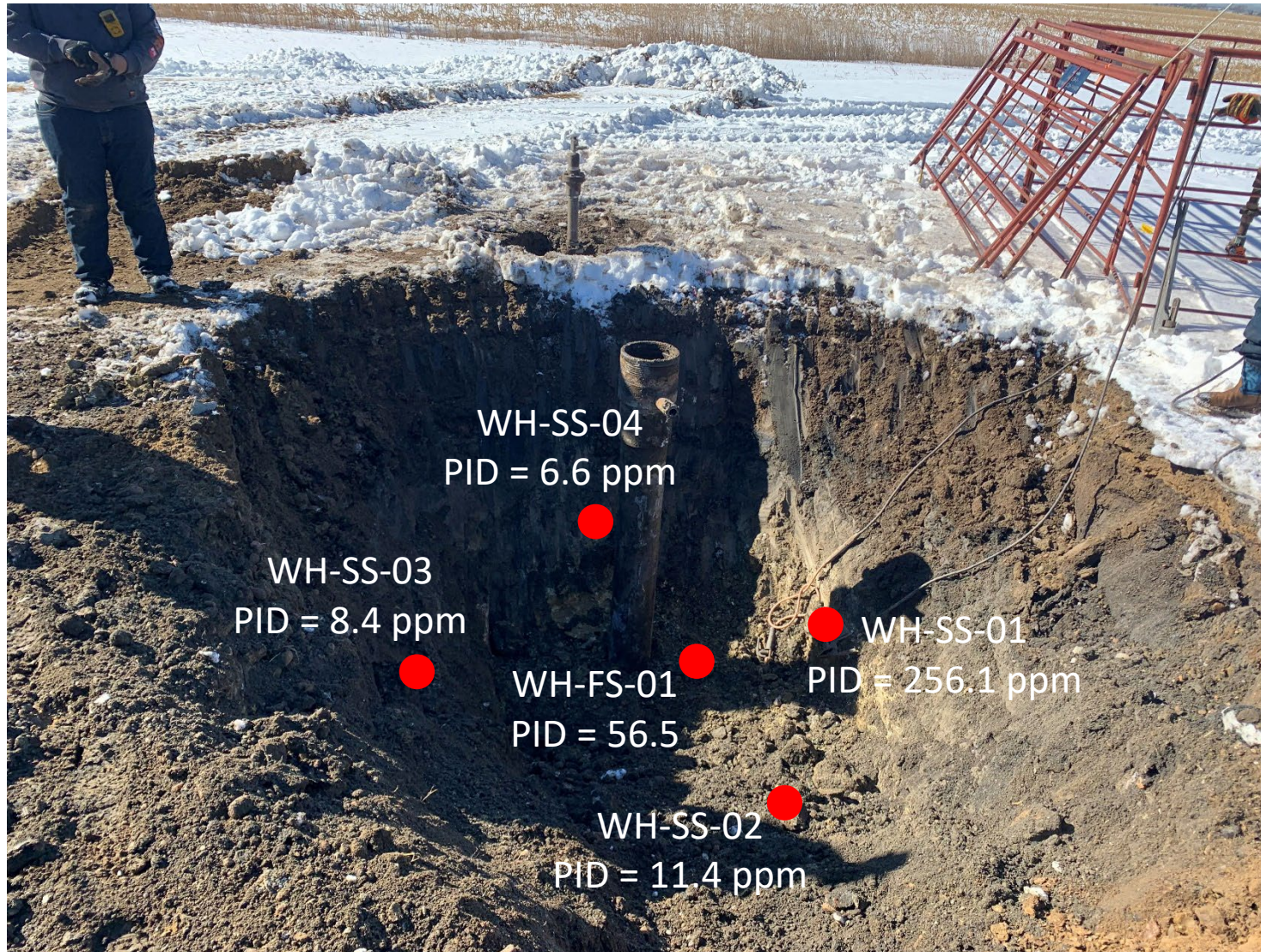
February 2022



EAGLE
ENVIRONMENTAL
CONSULTING, INC.
8000 W 44th Ave, Wheat Ridge, CO 80033
Ph: 303-433-0479 • F: 303-325-5449



Wellhead Excavation – 02/07/22



Looking west

Slight petroleum hydrocarbon odor observed, black staining appears organic with musty odor



ATTACHMENT B

Laboratory Analytical Report



February 21, 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. February 08, 2022. This project is associated with Origins project number Y202170-01.

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
WH-SS-01@6'	Y202170-01	Soil	February 7, 2022 12:05	02/08/2022 17:15
WH-SS-02@6'	Y202170-02	Soil	February 7, 2022 12:06	02/08/2022 17:15
WH-SS-03@6'	Y202170-03	Soil	February 7, 2022 12:07	02/08/2022 17:15
WH-SS-04@6'	Y202170-04	Soil	February 7, 2022 12:08	02/08/2022 17:15
WH-FS-01@7'	Y202170-05	Soil	February 7, 2022 12:10	02/08/2022 17:15

Origins Laboratory, Inc.



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

Eagle Environmental Consulting, 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: Y202170

Client: Eagle

Client Project ID: Shable 24-20

Checklist Completed by: JG

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

Date/time completed: 2/9/22

Airbill #: N/A

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

Water

Other:

(Describe)

Cooler Number/Temperature: 1 / 1.8 °C 1 °C 1 °C 1 °C

Thermometer ID: T003

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 HT's 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) JM

Date/Time Reviewed 2-9-22

Origins Laboratory, Inc.

Jordan A. Merrill

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

WH-SS-01@6'
2/7/2022 12:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y202170-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.845	0.0982	mg/L	1	B2B0921	02/09/2022	02/10/2022	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2B0904	02/09/2022	02/12/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	93.7 %	50-150	"	"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.00658	0.00200	mg/kg	1	B2B0916	02/09/2022	02/13/2022	
1,3,5-Trimethylbenzene	0.00496	0.00200	"	"	"	"	"	
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	0.00488	0.00200	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %	70-130	"	"	"	"	"	
Surrogate: Toluene-d8	95.3 %	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

WH-SS-01@6'
2/7/2022 12:05:00PM

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

Origins Laboratory, Inc.
Y202170-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	101 %	70-130		B2B09 16	02/09/2022	02/13/2022
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Metals by Saturated Paste by EPA 6010

Calcium	3.08	0.499	meq/L	10	[CALC]	02/09/2022	02/10/2022
Magnesium	2.24	0.823	"	"	"	"	"
Sodium	9.08	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	0.00933	0.00182	0.00335	mg/Kg	5	L599683	02/15/2022	02/16/2022	
2-Methylnaphthalene	0.00747	0.00323	0.00335	"	"	"	"	"	
Acenaphthene	ND	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	0.00321	0.00312	0.00335	"	"	"	"	"	J
Dibenz(a,h)anthracene	ND	0.00307	0.00335	"	"	"	"	"	
Fluoranthene	ND	0.00197	0.00335	"	"	"	"	"	
Fluorene	0.00572	0.00143	0.00335	"	"	"	"	"	

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

WH-SS-01@6'
2/7/2022 12:05:00PM

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

Waypoint Analytical, Inc.
Y202170-01 (Soil)

PAH by 8270D SIM

Indeno(1,2,3-cd)pyrene	ND	0.00314	0.00335	mg/Kg	5	L599683	02/15/2022	02/16/2022
Naphthalene	ND	0.00242	0.00335	"	"	"	"	"
Pyrene	ND	0.00322	0.00335	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	53.5 %		33-115			"	"	"
Surrogate: 4-Terphenyl-d14	68.7 %		33-122			"	"	"
Surrogate: Nitrobenzene-d5	48.9 %		29-110			"	"	"

pH in Soil by 9045D

pH	7.91			pH Units	1	B2B0919	02/09/2022	02/10/2022
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SAR by 20B Saturated Paste

SAR	5.56			SAR	1	B2B0917	02/09/2022	02/10/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.49		0.00500	mmhos/cm	1	B2B0918	02/09/2022	02/10/2022
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Total Metals by 6020B

Arsenic	2.41	0.0855	0.25	mg/Kg	5	L599213	02/14/2022	02/15/2022
Barium	714	0.042	0.25	"	"	"	"	"

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

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

WH-SS-01@6'
2/7/2022 12:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.
Y202170-01 (Soil)

Total Metals by 6020B

Cadmium	0.237	0.0259	0.25	mg/Kg	5	L599213	02/14/2022	02/15/2022	J
Copper	9.85	0.0806	0.25	"	"	"	"	"	
Lead	14.3	0.031	0.25	"	"	"	"	"	
Nickel	8.68	0.0633	0.25	"	"	"	"	"	
Selenium	0.32	0.103	0.25	"	"	"	"	"	
Silver	0.0908	0.0067	0.25	"	"	"	"	"	J
Zinc	48.6	0.534	2.5	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.488	1	mg/Kg	2	L600110	02/07/2022	02/17/2022	
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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

WH-SS-02@6'
2/7/2022 12:06:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y202170-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.140	0.0997	mg/L	1	B2B0921	02/09/2022	02/10/2022	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2B0904	02/09/2022	02/12/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	88.4 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2B0916	02/09/2022	02/13/2022	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	103 %	70-130			"	"	"	
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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

WH-SS-02@6'
2/7/2022 12:06:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y202170-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	95.1 %	70-130	B2B09 16	02/09/2022	02/13/2022
Surrogate: 4-Bromofluorobenzene	101 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	1.23	0.499	meq/L	10	[CALC]	02/09/2022	02/10/2022
Magnesium	1.09	0.823	"	"	"	"	"
Sodium	3.48	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L599683	02/15/2022	02/16/2022
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	"	"	"	"	"

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

WH-SS-02@6'
2/7/2022 12:06:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.
Y202170-02 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L599683	02/15/2022	02/16/2022
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	58.1 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	62.4 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	52.9 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.12	pH Units	1	B2B0919	02/09/2022	02/10/2022
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SAR by 20B Saturated Paste

SAR	3.23	SAR	1	B2B0917	02/09/2022	02/10/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.574	0.00500	mmhos/cm	1	B2B0918	02/09/2022	02/10/2022
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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

WH-SS-03@6'
2/7/2022 12:07:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y202170-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.340	0.0999	mg/L	1	B2B0921	02/09/2022	02/10/2022	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2B0904	02/09/2022	02/12/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	89.1 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2B0916	02/09/2022	02/13/2022	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	107 %	70-130			"	"	"	
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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

WH-SS-03@6'
2/7/2022 12:07:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y202170-03 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	95.0 %	70-130	B2B09 16	02/09/2022	02/13/2022
Surrogate: 4-Bromofluorobenzene	99.1 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	0.813	0.499	meq/L	10	[CALC]	02/09/2022	02/10/2022
Magnesium	0.955	0.823	"	"	"	"	"
Sodium	7.53	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L599814	02/16/2022	02/17/2022
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	"	"	"	"	"

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

WH-SS-03@6'
2/7/2022 12:07:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.
Y202170-03 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L599814	02/16/2022	02/17/2022
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	53.2 %		33-115			"	"	"
Surrogate: 4-Terphenyl-d14	64.3 %		33-122			"	"	"
Surrogate: Nitrobenzene-d5	49.8 %		29-110			"	"	"

pH in Soil by 9045D

pH	8.15			pH Units	1	B2B0919	02/09/2022	02/10/2022
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SAR by 20B Saturated Paste

SAR	8.01			SAR	1	B2B0917	02/09/2022	02/10/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.858		0.00500	mmhos/cm	1	B2B0918	02/09/2022	02/10/2022
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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

WH-SS-04@6'
2/7/2022 12:08:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y202170-04 (Soil)

Boron (DTPA Sorbitol)

Boron	0.139	0.0994	mg/L	1	B2B0921	02/09/2022	02/10/2022	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2B0904	02/09/2022	02/12/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	73.8 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2B0916	02/09/2022	02/13/2022	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	106 %	70-130			"	"	"	
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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

WH-SS-04@6'
2/7/2022 12:08:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y202170-04 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	94.4 %	70-130	B2B09 16	02/09/2022	02/13/2022
Surrogate: 4-Bromofluorobenzene	101 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	1.37	0.499	meq/L	10	[CALC]	02/09/2022	02/10/2022
Magnesium	1.11	0.823	"	"	"	"	"
Sodium	3.31	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L599814	02/16/2022	02/17/2022
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	"	"	"	"	"

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

WH-SS-04@6'
2/7/2022 12:08:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.
Y202170-04 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L599814	02/16/2022	02/17/2022
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	49.2 %		33-115			"	"	"
Surrogate: 4-Terphenyl-d14	62.6 %		33-122			"	"	"
Surrogate: Nitrobenzene-d5	47.7 %		29-110			"	"	"

pH in Soil by 9045D

pH	8.03			pH Units	1	B2B0919	02/09/2022	02/10/2022
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SAR by 20B Saturated Paste

SAR	2.97			SAR	1	B2B0917	02/09/2022	02/10/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.565		0.00500	mmhos/cm	1	B2B0918	02/09/2022	02/10/2022
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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

WH-FS-01@7'
2/7/2022 12:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y202170-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.492	0.0984	mg/L	1	B2B0921	02/09/2022	02/10/2022	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2B0904	02/09/2022	02/12/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	93.8 %	50-150	"	"	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2B0916	02/09/2022	02/13/2022	U
1,3,5-Trimethylbenzene	0.00414	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	0.326	0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	106 %	70-130	"	"	"	"	"
Surrogate: Toluene-d8	94.0 %	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

WH-FS-01@7'
2/7/2022 12:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y202170-05 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	102 %	70-130	B2B09 16	02/09/2022	02/13/2022
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Metals by Saturated Paste by EPA 6010

Calcium	1.43	0.499	meq/L	10	[CALC]	02/09/2022	02/10/2022
Magnesium	1.06	0.823	"	"	"	"	"
Sodium	4.54	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	0.000679	0.000364	0.00067	mg/Kg	1	L599814	02/16/2022	02/17/2022
2-Methylnaphthalene	0.00104	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	"	"	"	"	"

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

WH-FS-01@7'
2/7/2022 12:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.
Y202170-05 (Soil)

PAH by 8270D SIM

Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	mg/Kg	1	L599814	02/16/2022	02/17/2022
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	48.2 %		33-115			"	"	"
Surrogate: 4-Terphenyl-d14	60.2 %		33-122			"	"	"
Surrogate: Nitrobenzene-d5	45.5 %		29-110			"	"	"

pH in Soil by 9045D

pH	8.46			pH Units	1	B2B0919	02/09/2022	02/10/2022
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SAR by 20B Saturated Paste

SAR	4.06			SAR	1	B2B0917	02/09/2022	02/10/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.723		0.00500	mmhos/cm	1	B2B0918	02/09/2022	02/10/2022
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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 B2B0904 - EPA 3550B										
Blank (B2B0904-BLK1)					Prepared: 02/09/2022 Analyzed: 02/10/2022					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	27		"	24.9		107	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 B2B0904 - EPA 3550B

LCS (B2B0904-BS1)

Prepared: 02/09/2022 Analyzed: 02/10/2022

Diesel (C10-C28)	1080	50.0	mg/kg	1000		108	70-130			
Residual Range Organics (C28-C40)	865	200	"	1000		86.5	70-130			
Surrogate: o-Terphenyl	57		"	49.8		114	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 B2B0904 - EPA 3550B

Matrix Spike (B2B0904-MS1)		Source: Y202157-01			Prepared: 02/09/2022 Analyzed: 02/10/2022					
Diesel (C10-C28)	1100	50.0	mg/kg	1000	ND	110	70-130			
Residual Range Organics (C28-C40)	996	200	"	1000	ND	99.6	70-130			
Surrogate: o-Terphenyl	65		"	49.8		131	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
Batch B2B0904 - EPA 3550B										
Matrix Spike Dup (B2B0904-MSD1)		Source: Y202157-01			Prepared: 02/09/2022 Analyzed: 02/10/2022					
Diesel (C10-C28)	1060	50.0	mg/kg	1000	ND	106	70-130	3.68	35	
Residual Range Organics (C28-C40)	931	200	"	1000	ND	93.1	70-130	6.79	35	
Surrogate: o-Terphenyl	52		"	49.8		104	50-150			

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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 B2B0916 - EPA 5030 (soil)										
Blank (B2B0916-BLK1)					Prepared: 02/09/2022 Analyzed: 02/13/2022					
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	0.0100	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		99.9	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	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 B2B0916 - EPA 5030 (soil)										
LCS (B2B0916-BS1)					Prepared: 02/09/2022 Analyzed: 02/13/2022					
1,2,4-Trimethylbenzene	0.114	0.00200	mg/kg	0.100		114	70-130			
1,3,5-Trimethylbenzene	0.114	0.00200	"	0.100		114	70-130			
Benzene	0.115	0.00200	"	0.100		115	70-130			
Ethylbenzene	0.110	0.00200	"	0.100		110	70-130			
Naphthalene	0.102	0.0100	"	0.100		102	70-130			
Toluene	0.108	0.00200	"	0.100		108	70-130			
o-Xylene	0.109	0.00200	"	0.100		109	70-130			
m,p-Xylene	0.222	0.00400	"	0.200		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		98.5	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.9	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 B2B0916 - EPA 5030 (soil)										
Matrix Spike (B2B0916-MS1)		Source: Y201542-05			Prepared: 02/09/2022 Analyzed: 02/13/2022					
1,2,4-Trimethylbenzene	0.0992	0.00200	mg/kg	0.100	0.000980	98.2	70-130			
1,3,5-Trimethylbenzene	0.0998	0.00200	"	0.100	ND	99.8	70-130			
Benzene	0.101	0.00200	"	0.100	ND	101	70-130			
Ethylbenzene	0.0967	0.00200	"	0.100	ND	96.7	70-130			
Naphthalene	0.0823	0.0100	"	0.100	0.00600	76.3	70-130			
Toluene	0.0940	0.00200	"	0.100	ND	94.0	70-130			
o-Xylene	0.0959	0.00200	"	0.100	ND	95.9	70-130			
m,p-Xylene	0.196	0.00400	"	0.200	0.000600	97.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		99.5	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	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 B2B0916 - EPA 5030 (soil)										
Matrix Spike Dup (B2B0916-MSD1)		Source: Y201542-05			Prepared: 02/09/2022 Analyzed: 02/13/2022					
1,2,4-Trimethylbenzene	0.103	0.00200	mg/kg	0.100	0.000980	102	70-130	3.88	20	
1,3,5-Trimethylbenzene	0.103	0.00200	"	0.100	ND	103	70-130	2.84	20	
Benzene	0.104	0.00200	"	0.100	ND	104	70-130	2.94	20	
Ethylbenzene	0.0980	0.00200	"	0.100	ND	98.0	70-130	1.31	20	
Naphthalene	0.0932	0.0100	"	0.100	0.00600	87.2	70-130	12.5	20	
Toluene	0.0974	0.00200	"	0.100	ND	97.4	70-130	3.62	20	
o-Xylene	0.0979	0.00200	"	0.100	ND	97.9	70-130	2.08	20	
m,p-Xylene	0.200	0.00400	"	0.200	0.000600	99.6	70-130	1.92	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		100	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.4	70-130			

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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
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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 B2B0918 - NO PREP

Blank (B2B0918-BLK1)

Prepared: 02/09/2022 Analyzed: 02/10/2022

Specific Conductance (EC) 0.000900 0.00500 mmhos/cm

Duplicate (B2B0918-DUP1)

Source: Y202156-03

Prepared: 02/09/2022 Analyzed: 02/10/2022

Specific Conductance (EC) 0.563 0.00500 mmhos/cm 0.588 4.34 25

Batch B2B0919 - NO PREP

Duplicate (B2B0919-DUP1)

Source: Y202156-03

Prepared: 02/09/2022 Analyzed: 02/10/2022

pH 7.70 pH Units 7.98 3.57 25

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L599683 - 3550B

MSD (L 91328-MSD-L599683)		Source: 91328			Prepared: 02/15/2022 Analyzed: 02/16/2022					
Dibenz(a,h)anthracene	0.088	0.00307	mg/Kg	0.164	<0.00307	53.6	30-130	30.7	30	
Naphthalene	0.102	0.00242	"	0.164	<0.00242	62.1	30-130	8.5	30	
Indeno(1,2,3-cd)pyrene	0.0783	0.00314	"	0.164	<0.00314	47.7	30-130	33.6	30	
Fluorene	0.135	0.00143	"	0.164	0.0191	70.6	30-130	4.5	30	
1-Methylnaphthalene	0.169	0.00182	"	0.164	0.0528	70.8	30-130	7.3	30	
Fluoranthene	0.121	0.00197	"	0.164	<0.00197	73.7	30-130	3.2	30	
Pyrene	0.12	0.00322	"	0.164	<0.00322	73.1	30-130	2.4	30	
Chrysene	0.119	0.00312	"	0.164	0.00463	69.7	30-130	3.3	30	
Benzo(b)fluoranthene	0.117	0.00293	"	0.164	<0.00293	71.3	30-130	8.9	30	
Benzo(a)anthracene	0.113	0.00247	"	0.164	<0.00247	68.9	30-130	0.8	30	
Anthracene	0.111	0.00167	"	0.164	<0.00167	67.6	30-130	0.9	30	
Acenaphthene	0.115	0.00152	"	0.164	0.00557	66.7	30-130	6.2	30	
Benzo(k)fluoranthene	0.103	0.00219	"	0.164	<0.00219	62.8	30-130	11	30	
2-Methylnaphthalene	0.118	0.00323	"	0.164	0.0122	64.5	30-130	7	30	
Benzo(a)pyrene	0.113	0.00234	"	0.164	<0.00234	68.9	30-130	4.3	30	
Surrogate: Nitrobenzene-d5	53.1		"	0.329	167	53.1	29-110			
Surrogate: 4-Terphenyl-d14	67.7		"	0.329	220	67.7	33-122			
Surrogate: 2-Fluorobiphenyl	60.7		"	0.329	191	60.7	33-115			

MS (L 91328-MS-L599683)		Source: 91328			Prepared: 02/15/2022 Analyzed: 02/16/2022					
Benzo(k)fluoranthene	0.115	0.00219	mg/Kg	0.164	<0.00219	70.1	30-130			
Naphthalene	0.0936	0.00242	"	0.164	<0.00242	57	30-130			
Indeno(1,2,3-cd)pyrene	0.11	0.00314	"	0.164	<0.00314	67	30-130			
Fluorene	0.129	0.00143	"	0.164	0.0191	67	30-130			
Fluoranthene	0.125	0.00197	"	0.164	<0.00197	76.2	30-130			
Chrysene	0.123	0.00312	"	0.164	0.00463	72.1	30-130			
Benzo(b)fluoranthene	0.128	0.00293	"	0.164	<0.00293	78	30-130			

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L599683 - 3550B

MS (L 91328-MS-L599683)		Source: 91328			Prepared: 02/15/2022 Analyzed: 02/16/2022					
Benzo(a)pyrene	0.118	0.00234	mg/Kg	0.164	<0.00234	71.9	30-130			
Benzo(a)anthracene	0.114	0.00247	"	0.164	<0.00247	69.5	30-130			
Anthracene	0.11	0.00167	"	0.164	<0.00167	67	30-130			
Acenaphthene	0.108	0.00152	"	0.164	0.00557	62.4	30-130			
Dibenz(a,h)anthracene	0.12	0.00307	"	0.164	<0.00307	73.1	30-130			
2-Methylnaphthalene	0.11	0.00323	"	0.164	0.0122	59.6	30-130			
1-Methylnaphthalene	0.157	0.00182	"	0.164	0.0528	63.5	30-130			
Pyrene	0.123	0.00322	"	0.164	<0.00322	75	30-130			
Surrogate: Nitrobenzene-d5	51		"	0.329	167	51	29-110			
Surrogate: 4-Terphenyl-d14	68.9		"	0.329	220	68.9	33-122			
Surrogate: 2-Fluorobiphenyl	58.3		"	0.329	191	58.3	33-115			

LCS (LCS-L599683)		Prepared: 02/15/2022 Analyzed: 02/16/2022								
Dibenz(a,h)anthracene	0.124	0.000614	mg/Kg	0.167		74.2	30-130			
Benzo(a)anthracene	0.103	0.000493	"	0.167		61.6	30-130			
Benzo(a)pyrene	0.109	0.000468	"	0.167		65.2	30-130			
Benzo(b)fluoranthene	0.117	0.000585	"	0.167		70	30-130			
Benzo(k)fluoranthene	0.105	0.000437	"	0.167		62.8	30-130			
Chrysene	0.103	0.000624	"	0.167		61.6	30-130			
Fluoranthene	0.108	0.000394	"	0.167		64.6	30-130			
Indeno(1,2,3-cd)pyrene	0.125	0.000627	"	0.167		74.8	30-130			
Naphthalene	0.0873	0.000484	"	0.167		52.2	30-130			
Pyrene	0.106	0.000643	"	0.167		63.4	30-130			
Anthracene	0.101	0.000334	"	0.167		60.4	30-130			
2-Methylnaphthalene	0.0917	0.000645	"	0.167		54.9	30-130			
Fluorene	0.101	0.000286	"	0.167		60.4	30-130			
Acenaphthene	0.0948	0.000304	"	0.167		56.7	30-130			

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L599683 - 3550B

LCS (LCS-L599683)

Prepared: 02/15/2022 Analyzed: 02/16/2022

1-Methylnaphthalene	0.0923	0.000364	mg/Kg	0.167		55.2	30-130			
Surrogate: Nitrobenzene-d5	52.2		"	0.333		52.2	29-110			
Surrogate: 4-Terphenyl-d14	61.8		"	0.333		61.8	33-122			
Surrogate: 2-Fluorobiphenyl	57.3		"	0.333		57.3	33-115			

LRB (LRB-L599683)

Prepared: 02/15/2022 Analyzed: 02/16/2022

Benzo(b)fluoranthene	ND	0.00067	mg/Kg				-			
1-Methylnaphthalene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Naphthalene	ND	0.00067	"				-			
Pyrene	ND	0.00067	"				-			
Surrogate: 2-Fluorobiphenyl	55.5		"	0.333		55.5	33-115			
Surrogate: 4-Terphenyl-d14	60.3		"	0.333		60.3	33-122			
Surrogate: Nitrobenzene-d5	52.8		"	0.333		52.8	29-110			

Batch L599814 - 3550B

MSD (L 89594-MSD-L599814)

Source: Y202170-04

Prepared: 02/16/2022 Analyzed: 02/17/2022

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L599814 - 3550B

MSD (L 89594-MSD-L599814)		Source: Y202170-04			Prepared: 02/16/2022 Analyzed: 02/17/2022					
Chrysene	0.105	0.000624	mg/Kg	0.166	<0.000624	63.2	30-130	0.9	30	
Naphthalene	0.0803	0.000484	"	0.166	<0.000484	48.3	30-130	0.9	30	
Indeno(1,2,3-cd)pyrene	0.0848	0.000627	"	0.166	<0.000627	51	30-130	8	30	
Fluorene	0.0843	0.000286	"	0.166	<0.000286	50.7	30-130	3	30	
Fluoranthene	0.0992	0.000394	"	0.166	<0.000394	59.7	30-130	0.6	30	
Dibenz(a,h)anthracene	0.0992	0.000614	"	0.166	<0.000614	59.7	30-130	7.5	30	
Pyrene	0.0972	0.000643	"	0.166	<0.000643	58.5	30-130	0.7	30	
1-Methylnaphthalene	0.0779	0.000364	"	0.166	<0.000364	46.9	30-130	2	30	
Benzo(b)fluoranthene	0.0838	0.000585	"	0.166	<0.000585	50.4	30-130	4.5	30	
Benzo(a)pyrene	0.109	0.000468	"	0.166	<0.000468	65.6	30-130	2.7	30	
Benzo(a)anthracene	0.0994	0.000493	"	0.166	<0.000493	59.8	30-130	1.3	30	
Anthracene	0.0894	0.000334	"	0.166	<0.000334	53.8	30-130	0.8	30	
Acenaphthene	0.0741	0.000304	"	0.166	<0.000304	44.6	30-130	3.9	30	
2-Methylnaphthalene	0.0766	0.000645	"	0.166	<0.000645	46.1	30-130	2.4	30	
Benzo(k)fluoranthene	0.0834	0.000437	"	0.166	<0.000437	50.2	30-130	9	30	
Surrogate: 2-Fluorobiphenyl	52.8		"	0.331	162	52.8	33-115			
Surrogate: Nitrobenzene-d5	53.4		"	0.331	157	53.4	29-110			
Surrogate: 4-Terphenyl-d14	69.1		"	0.331	206	69.1	33-122			

MS (L 89594-MS-L599814)		Source: Y202170-04			Prepared: 02/16/2022 Analyzed: 02/17/2022					
Benzo(a)pyrene	0.106	0.000468	mg/Kg	0.163	<0.000468	65	30-130			
Benzo(a)anthracene	0.0981	0.000493	"	0.163	<0.000493	60.1	30-130			
Benzo(b)fluoranthene	0.0801	0.000585	"	0.163	<0.000585	49.1	30-130			
Acenaphthene	0.0771	0.000304	"	0.163	<0.000304	47.3	30-130			
2-Methylnaphthalene	0.0785	0.000645	"	0.163	<0.000645	48.1	30-130			
1-Methylnaphthalene	0.0795	0.000364	"	0.163	<0.000364	48.7	30-130			
Pyrene	0.0965	0.000643	"	0.163	<0.000643	59.2	30-130			

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L599814 - 3550B

MS (L 89594-MS-L599814)		Source: Y202170-04			Prepared: 02/16/2022 Analyzed: 02/17/2022					
Chrysene	0.104	0.000624	mg/Kg	0.163	<0.000624	63.8	30-130			
Dibenz(a,h)anthracene	0.107	0.000614	"	0.163	<0.000614	65.6	30-130			
Fluoranthene	0.0986	0.000394	"	0.163	<0.000394	60.4	30-130			
Fluorene	0.0869	0.000286	"	0.163	<0.000286	53.3	30-130			
Indeno(1,2,3-cd)pyrene	0.0919	0.000627	"	0.163	<0.000627	56.3	30-130			
Naphthalene	0.0811	0.000484	"	0.163	<0.000484	49.7	30-130			
Anthracene	0.0886	0.000334	"	0.163	<0.000334	54.3	30-130			
Benzo(k)fluoranthene	0.0913	0.000437	"	0.163	<0.000437	56	30-130			
Surrogate: 4-Terphenyl-d14	61.3		"	0.326	206	61.3	33-122			
Surrogate: 2-Fluorobiphenyl	49.6		"	0.326	162	49.6	33-115			
Surrogate: Nitrobenzene-d5	48.1		"	0.326	157	48.1	29-110			

LCS (LCS-L599814)

Prepared: 02/16/2022 Analyzed: 02/17/2022

Indeno(1,2,3-cd)pyrene	0.0936	0.000627	mg/Kg	0.167		56	30-130			
Fluorene	0.0915	0.000286	"	0.167		54.7	30-130			
Fluoranthene	0.104	0.000394	"	0.167		62.2	30-130			
Dibenz(a,h)anthracene	0.11	0.000614	"	0.167		65.8	30-130			
Chrysene	0.107	0.000624	"	0.167		64	30-130			
Benzo(b)fluoranthene	0.0884	0.000585	"	0.167		52.9	30-130			
Benzo(k)fluoranthene	0.0917	0.000437	"	0.167		54.9	30-130			
Benzo(a)anthracene	0.105	0.000493	"	0.167		62.8	30-130			
Benzo(a)pyrene	0.113	0.000468	"	0.167		67.6	30-130			
Acenaphthene	0.0837	0.000304	"	0.167		50.1	30-130			
Naphthalene	0.0898	0.000484	"	0.167		53.7	30-130			
2-Methylnaphthalene	0.087	0.000645	"	0.167		52	30-130			
1-Methylnaphthalene	0.0882	0.000364	"	0.167		52.8	30-130			
Anthracene	0.0946	0.000334	"	0.167		56.6	30-130			

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L599814 - 3550B

LCS (LCS-L599814)

Prepared: 02/16/2022 Analyzed: 02/17/2022

Pyrene	0.102	0.000643	mg/Kg	0.167		61	30-130			
Surrogate: 4-Terphenyl-d14	67.5		"	0.333		67.5	33-122			
Surrogate: Nitrobenzene-d5	54.3		"	0.333		54.3	29-110			
Surrogate: 2-Fluorobiphenyl	57		"	0.333		57	33-115			

LRB (LRB-L599814)

Prepared: 02/16/2022 Analyzed: 02/17/2022

Benzo(a)anthracene	ND	0.00067	mg/Kg				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Naphthalene	ND	0.00067	"				-			
Pyrene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Surrogate: 2-Fluorobiphenyl	55.8		"	0.333		55.8	33-115			
Surrogate: 4-Terphenyl-d14	64.2		"	0.333		64.2	33-122			
Surrogate: Nitrobenzene-d5	52.2		"	0.333		52.2	29-110			

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Eagle Environmental Consulting, Inc.
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Martin C Eckert III
Project Number: [none]
Project: Noble - Shable #24-20

Total Metals by 6020B - Quality Control

Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L599213 - 3050B										
MSD (L 90235-MSD-L599213)			Source: 90235			Prepared: 02/14/2022 Analyzed: 02/15/2022				
Arsenic	2.99	0.0855	mg/Kg	2.48	0.987	81	75-125	16.2	80	
Selenium	4.16	0.103	"	4.96	<0.103	84	75-125	13.6	80	
Barium	39.2	0.042	"	4.96	30.2	181	75-125	14.7	80	*
Cadmium	0.58	0.0259	"	0.496	0.0542	117	75-125	2.6	80	
Copper	4.98	0.0806	"	2.48	2.48	101	75-125	5.1	80	
Silver	0.502	0.0067	"	0.496	0.0188	101	75-125	4.4	80	
Zinc	39.6	0.534	"	24.8	14.4	102	75-125	2.7	80	
Nickel	4.59	0.0633	"	2.48	2.11	100	75-125	15.2	80	
Lead	6.26	0.031	"	2.48	3.34	118	75-125	4.3	80	
MS (L 90235-MS-L599213)			Source: 90235			Prepared: 02/14/2022 Analyzed: 02/15/2022				
Zinc	40.7	0.534	mg/Kg	23.9	14.4	110	75-125			
Arsenic	2.54	0.0855	"	2.39	0.987	65	75-125			*
Silver	0.48	0.0067	"	0.478	0.0188	100	75-125			
Barium	33.8	0.042	"	4.78	30.2	75	75-125			
Selenium	3.63	0.103	"	4.78	<0.103	76	75-125			
Nickel	5.35	0.0633	"	2.39	2.11	135	75-125			*
Lead	6.54	0.031	"	2.39	3.34	134	75-125			*
Copper	4.73	0.0806	"	2.39	2.48	94	75-125			
Cadmium	0.565	0.0259	"	0.478	0.0542	118	75-125			
LCS (LCS-L599213)			Prepared: 02/14/2022 Analyzed: 02/15/2022							
Copper	2.33	0.0806	mg/Kg	2.5		93	80-120			
Zinc	23.7	0.534	"	25		95	80-120			
Silver	0.499	0.0067	"	0.5		100	80-120			
Selenium	5.27	0.103	"	5		105	80-120			
Lead	2.48	0.031	"	2.5		99	80-120			

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

Total Metals by 6020B - Quality Control Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L599213 - 3050B										
LCS (LCS-L599213)					Prepared: 02/14/2022 Analyzed: 02/15/2022					
Cadmium	0.494	0.0259	mg/Kg	0.5		99	80-120			
Barium	4.98	0.042	"	5		100	80-120			
Arsenic	2.6	0.0855	"	2.5		104	80-120			
Nickel	2.38	0.0633	"	2.5		95	80-120			
LRB (LRB-L599213)					Prepared: 02/14/2022 Analyzed: 02/15/2022					
Cadmium	ND	0.25	mg/Kg				-			
Zinc	ND	2.5	"				-			
Silver	ND	0.25	"				-			
Selenium	ND	0.25	"				-			
Nickel	ND	0.25	"				-			
Copper	ND	0.25	"				-			
Barium	0.0613	0.25	"				-			J
Arsenic	ND	0.25	"				-			
Lead	ND	0.25	"				-			

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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

Total Metals by 7196A - Quality Control
Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L600110 -										
DUP (L 89591-DUP)	Source: Y202170-01				Prepared: Analyzed: 02/17/2022					
Chromium, Hexavalent	ND	0.488	mg/Kg		<1.00	-		0	20	
MS (L 89591-MS)	Source: Y202170-01				Prepared: Analyzed: 02/17/2022					
Chromium, Hexavalent	3.44	0.502	mg/Kg	8.25	<0.502	42	75-125			*
LCS (LCS)					Prepared: Analyzed: 02/17/2022					
Chromium, Hexavalent	6.95	0.244	mg/Kg	8		87	75-125			
LRB (LRB)					Prepared: Analyzed: 02/17/2022					
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

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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

Notes and Definitions

U Sample is Non-Detect.

J Estimated Value. Analyte below reported quantitation limit.

* 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.



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