



FIGURES

Figure 1: Groundwater Analytical Map (10/04/23)

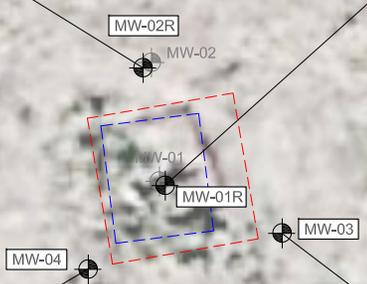
Figure 2: Groundwater Elevation Map (10/04/23)

MW-02R
10/04/23
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-M = <0.200
2-M = <0.200
B(A)A = <0.500

MW-01R
10/04/23
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-M = <0.200
2-M = <0.200
B(A)A = <0.500

MW-04
10/04/23
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-M = <0.200
2-M = <0.200
B(A)A = <0.500

MW-03
10/04/23
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-M = <0.200
2-M = <0.200
B(A)A = <0.500



LEGEND

- INITIAL ASSESSMENT BOUNDARIES
- SOURCE EXCAVATION BOUNDARIES
- APPROXIMATE MONITORING WELL LOCATIONS
- DESTROYED 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-M = 1-METHYLNAPHTHALENE (µg/L)
2-M = 2-METHYLNAPHTHALENE (µg/L)
B(A)A = BENZO(A)ANTHRACENE (µg/L)

µg/L = MICROGRAMS PER LITER

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

VALUES PRESENTED IN **BOLD** EXCEED THE ECMC TABLE 915-1 REGULATORY LIMITS AND/OR ECMC NARRATIVE GROUNDWATER QUALITY STANDARDS*.

*ECMC REGULATORY LIMITS IN GROUNDWATER HAVE NOT BEEN ESTABLISHED FOR 1-METHYLNAPHTHALENE & 2-METHYLNAPHTHALENE. ECMC 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 FOR 1-METHYLNAPHTHALENE & 2-METHYLNAPHTHALENE ARE 1.1 & 3.6 µg/L, RESPECTIVELY.

ECMC = ENERGY & CARBON MANAGEMENT COMMISSION

GROUNDWATER ANALYTICAL MAP

(10/04/23)
BECCA #D 3-11
HISTORICAL RELEASE
40.252420 / -104.539510
NE¼ SW¼ SEC.3 T3N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-17286
REMEDIATION # 22098

DRAWN BY:

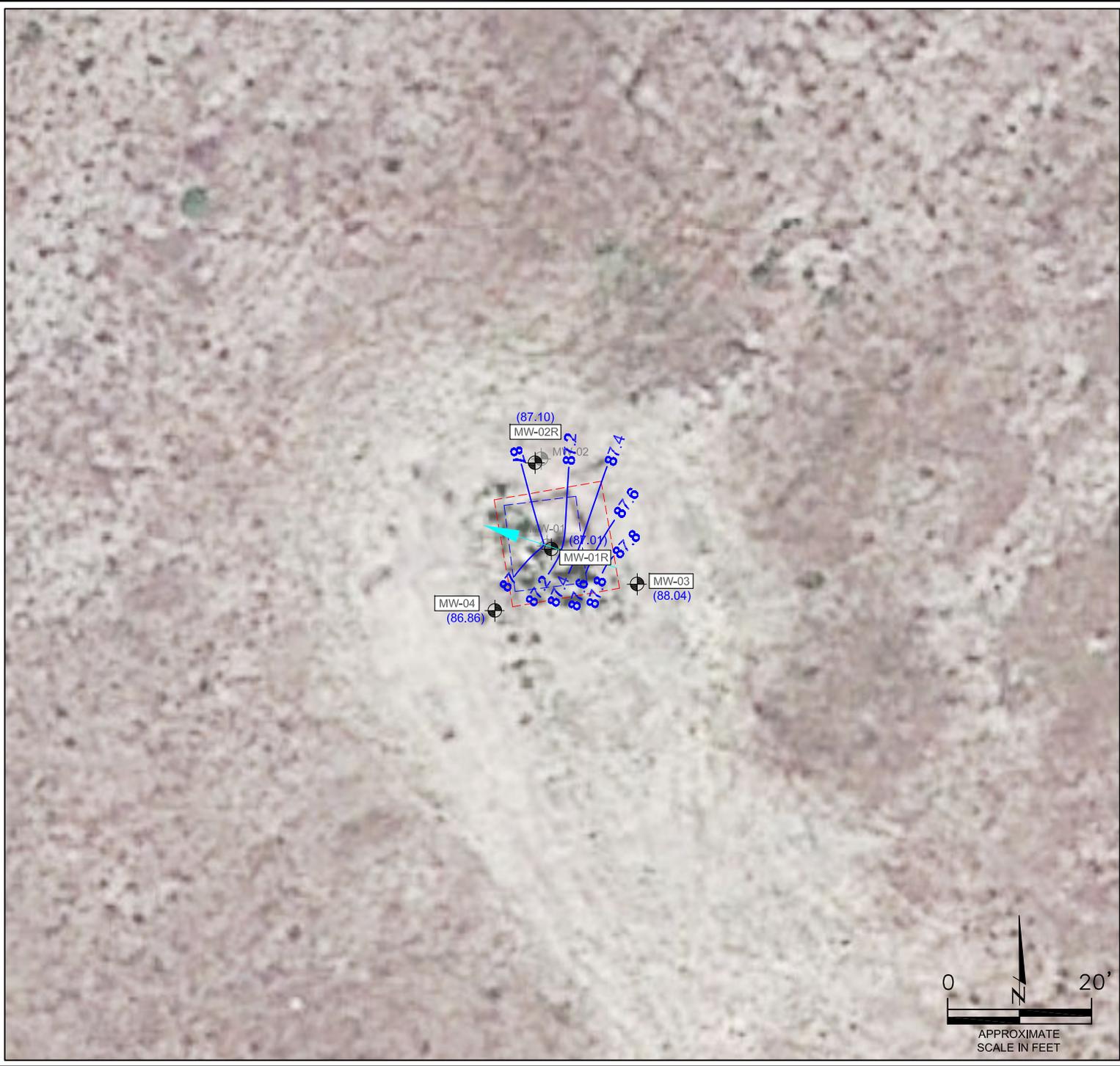
IM

FIGURE NO.

1



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



LEGEND

- INITIAL ASSESSMENT BOUNDARIES
- SOURCE EXCAVATION BOUNDARIES
- APPROXIMATE MONITORING WELL LOCATIONS
- DESTROYED 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
10/04/23.

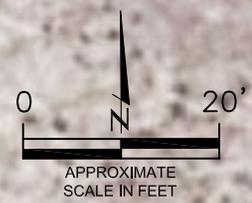
HYDRAULIC GRADIENT (MW-03 TO MW-04): 0.059 FT/FT

GROUNDWATER ELEVATION MAP
(10/04/23)
BECCA #D 3-11
HISTORICAL RELEASE
40.252420 / -104.539510
NE¼ SW¼ SEC.3 T3N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-17286
REMIEDIATION # 22098

DRAWN BY:
IM

FIGURE NO.
2

EAGLE
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TABLES

Table 1: Groundwater Analytical Results Summary

Table 2: Groundwater Elevation Summary

TABLE 1
GROUNDWATER ANALYTICAL RESULTS SUMMARY
BECCA #D 3-11
HISTORICAL RELEASE
40.252420 / -104.539510
NE¼ SW¼ SEC.3 T3N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-17286
REMEDATION # 22098

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-Methyl- naphthalene (µg/L)	2-Methyl- naphthalene (µg/L)	Benzo(a)- anthracene (µg/L)
ECMC Table 915-1 Regulatory Limits (µg/L)		5	560	700	1400	140	67	67	1.1*	3.6*	0.16
MW-01 (40.252406 / -104.539533)	10/25/22	<1.00	<1.00	3.78	52.6	32.2	782	387	154	NA	NA
	02/17/23	DES									
MW-01R (40.252406 / -104.539533)	04/17/23	<1.00	<1.00	1.92	3.84	<2.00	<2.00	<2.00	1.21	0.0258	<0.02
	07/03/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	0.039	<0.02	<0.02
	10/04/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.200	<0.200	<0.500
MW-02 (40.252442 / -104.539536)	10/25/22	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	0.0411	NA	NA
	02/17/23	DES									
MW-02R (40.252442 / -104.539536)	04/17/23	<1.00	<1.00	2.16	15.4	<2.00	<2.00	<2.00	0.00922	<0.02	<0.02
	07/03/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.02	<0.02	<0.02
	10/04/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.200	<0.200	<0.500
MW-03 (40.252389 / -104.539493)	10/25/22	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.1	NA	NA
	04/17/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.02	<0.02	<0.02
	07/03/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.02	<0.02	<0.02
	10/04/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.200	<0.200	<0.500
MW-04 (40.252379 / -104.539556)	10/25/22	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.1	NA	NA
	04/17/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.02	<0.02	<0.02
	07/03/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.02	<0.02	<0.02
	10/04/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.200	<0.200	<0.500

Notes:

ECMC = Energy & Carbon Management Commission

µg/L = micrograms per liter

*ECMC regulatory limits in groundwater have not been established for 1-methylnaphthalene. ECMC 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") = 1×10^{-6} and Target Hazard Quotient ("THQ")=0.1. The EPA RSL for Tapwater, and resultant narrative groundwater quality standard for 1-methylnaphthalene is 1.1 µg/L.

Values presented with a less than symbol (<) did not contain concentrations at or above the laboratory reporting and/or minimum detection limit.

Values presented in **BOLD** contained concentrations exceeding applicable ECMC Table 915-1 regulatory limits and/or Quality Standards*.

NA - Not Analyzed DES - Destroyed

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

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



**TABLE 2
GROUNDWATER ELEVATION SUMMARY
BECCA #D 3-11
HISTORICAL RELEASE
40.252420 / -104.539510
NE¼ SW¼ SEC.3 T3N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-17286
REMEDATION # 22098**

Sample Location (Latitude/Longitude)	Date	Top of Casing Elevation (feet)	Depth to Groundwater from TOC (feet)	Relative Groundwater Elevation (feet) (TOC)
MW-01 (40.252406 / -104.539533)	10/25/22	99.51	13.88	85.63
	02/17/23	DES		
MW-01R (40.252406 / -104.539533)	04/17/23	99.83	14.42	85.41
	07/03/23		13.36	86.47
	10/04/23		12.82	87.01
MW-02 (40.252442 / -104.539536)	10/25/22	99.54	13.93	85.61
	02/17/23	DES		
MW-02R (40.252442 / -104.539536)	04/17/23	99.91	14.50	85.41
	07/03/23		13.47	86.44
	10/04/23		12.81	87.10
MW-03 (40.252389 / -104.539493)	10/25/22	100.00	14.50	85.50
	04/17/23		13.61	86.39
	07/03/23		12.60	87.40
	10/04/23		11.96	88.04
MW-04 (40.252379 / -104.539556)	10/25/22	99.50	13.81	85.69
	04/17/23		14.32	85.18
	07/03/23		13.99	85.51
	10/04/23		12.64	86.86
Notes: DES - Destroyed				
TOC - Top of Casing				
bgs- below ground surface				





ATTACHMENT A

Laboratory Analytical Reports



October 12, 2023

Eagle Environmental Consulting, LLC

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Becca #D 3-11

Project Number - [none]

Attached are your analytical results for Noble - Becca #D 3-11 received by Origins Laboratory, Inc. October 04, 2023. This project is associated with Origins project number Y310145-01.

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 - Becca #D 3-11

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01R	Y310145-01	Water	October 4, 2023 12:30	10/04/2023 15:23
MW-02R	Y310145-02	Water	October 4, 2023 12:50	10/04/2023 15:23
MW-03	Y310145-03	Water	October 4, 2023 13:05	10/04/2023 15:23
MW-04	Y310145-04	Water	October 4, 2023 13:25	10/04/2023 15:23

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 - Becca #D 3-11

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: B10145 Client: Eagle
 Client Project ID: Becca #D 3-11
 Checklist Completed by: DH/CHS Shipped Via: TUO
 Date/time completed: 10/5/23 (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, 5 °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.		/		
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)	/			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 10/6/23

Origins Laboratory, Inc.

Jefe Pellegrini

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 - Becca #D 3-11

MW-01R

10/4/2023 12:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310145-01 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3J0535	JSM	10/05/2023	10/06/2023	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	87.0 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	106 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	89.8 %	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 - Becca #D 3-11

MW-02R

10/4/2023 12:50:00PM

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

Origins Laboratory, Inc.
Y310145-02 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3J0535	JSM	10/05/2023	10/06/2023	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	89.0 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	105 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	89.1 %	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 - Becca #D 3-11

MW-03
10/4/2023 1:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310145-03 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3J0535	JSM	10/05/2023	10/06/2023	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	91.7 %	70-130			"	"	"	"
Surrogate: Toluene-d8	105 %	70-130			"	"	"	"
Surrogate: 4-Bromofluorobenzene	91.2 %	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 - Becca #D 3-11

MW-04

10/4/2023 1:25:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310145-04 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3J0535	JSM	10/05/2023	10/06/2023	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	90.0 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	109 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	93.3 %	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, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Becca #D 3-11

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 B3J0535 - EPA 5030B (Water)

Blank (B3J0535-BLK1)

Prepared: 10/05/2023 Analyzed: 10/05/2023

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	55		"	62.5	88.3		70-130			
Surrogate: Toluene-d8	66		"	62.5	105		70-130			
Surrogate: 4-Bromofluorobenzene	57		"	62.5	91.1		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 - Becca #D 3-11

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 B3J0535 - EPA 5030B (Water)

LCS (B3J0535-BS1)

Prepared: 10/05/2023 Analyzed: 10/05/2023

1,2,4-Trimethylbenzene	40.7	2.00	ug/L	50.0		81.5	70-130			
1,3,5-Trimethylbenzene	41.2	2.00	"	50.0		82.4	70-130			
Benzene	42.7	1.00	"	50.0		85.4	70-130			
Ethylbenzene	42.2	1.00	"	50.0		84.3	70-130			
m,p-Xylene	89.7	2.00	"	100		89.7	70-130			
Naphthalene	50.7	2.00	"	50.0		101	70-130			
o-Xylene	48.8	1.00	"	50.0		97.6	70-130			
Toluene	42.4	1.00	"	50.0		84.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	54		"	62.5		86.2	70-130			
Surrogate: Toluene-d8	65		"	62.5		103	70-130			
Surrogate: 4-Bromofluorobenzene	54		"	62.5		86.8	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 - Becca #D 3-11

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 B3J0535 - EPA 5030B (Water)

Matrix Spike (B3J0535-MS1)	Source: Y310141-02			Prepared: 10/05/2023 Analyzed: 10/06/2023						
1,2,4-Trimethylbenzene	50.4	2.00	ug/L	50.0	ND	101	70-130			
1,3,5-Trimethylbenzene	51.1	2.00	"	50.0	ND	102	70-130			
Benzene	54.2	1.00	"	50.0	ND	108	70-130			
Ethylbenzene	48.7	1.00	"	50.0	ND	97.4	70-130			
m,p-Xylene	105	2.00	"	100	ND	105	70-130			
Naphthalene	46.9	2.00	"	50.0	ND	93.9	70-130			
o-Xylene	55.5	1.00	"	50.0	ND	111	70-130			
Toluene	49.2	1.00	"	50.0	ND	98.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		100	70-130			
Surrogate: Toluene-d8	59		"	62.5		93.9	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.0	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 - Becca #D 3-11

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 B3J0535 - EPA 5030B (Water)

Matrix Spike Dup (B3J0535-MSD1)	Source: Y310141-02			Prepared: 10/05/2023 Analyzed: 10/06/2023						
1,2,4-Trimethylbenzene	52.7	2.00	ug/L	50.0	ND	105	70-130	4.56	20	
1,3,5-Trimethylbenzene	53.3	2.00	"	50.0	ND	107	70-130	4.22	20	
Benzene	56.3	1.00	"	50.0	ND	113	70-130	3.76	20	
Ethylbenzene	50.7	1.00	"	50.0	ND	101	70-130	3.98	20	
m,p-Xylene	109	2.00	"	100	ND	109	70-130	3.59	20	
Naphthalene	49.6	2.00	"	50.0	ND	99.1	70-130	5.47	20	
o-Xylene	57.7	1.00	"	50.0	ND	115	70-130	3.82	20	
Toluene	51.3	1.00	"	50.0	ND	103	70-130	4.30	20	
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		100	70-130			
Surrogate: Toluene-d8	59		"	62.5		93.6	70-130			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		96.7	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 - Becca #D 3-11

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.

Jen Pellegrini For Noelle Doyle Mathis, President



October 16, 2023

Eagle Environmental Consulting, LLC

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Becca #D 3-11

Project Number - [none]

Attached are your analytical results for Noble - Becca #D 3-11 received by Origins Laboratory, Inc. October 04, 2023. This project is associated with Origins project number Y310149-01.

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 - Becca #D 3-11

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01R	Y310149-01	Water	October 4, 2023 12:30	10/04/2023 15:23
MW-02R	Y310149-02	Water	October 4, 2023 12:50	10/04/2023 15:23
MW-03	Y310149-03	Water	October 4, 2023 13:05	10/04/2023 15:23
MW-04	Y310149-04	Water	October 4, 2023 13:25	10/04/2023 15:23

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 - Becca #D 3-11

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4310149

Client: EAGLE
 Client Project ID: BECCA #D 3-11

Checklist Completed by: TSH/EHS
 Date/time completed: 10/5/23

Shipped Via: HD
 (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, 5 °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 HNO3, HCL, H2SO4) / (pH >10 for samples preserved with NaAsO2+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 10/6/23

Origins Laboratory, Inc.

Jefe Pellegrini

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 - Becca #D 3-11

MW-01R

10/4/2023 12:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Y310149-01 (Water)
Origins Laboratory, Inc.

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.200	ug/L	1	B3J0927	Nindows	10/09/2023	10/10/2023	U
2-Methylnaphthalene	ND	0.200	"	"	"	Nindows	"	"	U
Benzo (a) anthracene	ND	0.500	"	"	"	Nindows	"	"	U
Surrogate: Fluorene-d10	95.9 %	60-130				"	"	"	
Surrogate: Anthracene-d10	108 %	60-130				"	"	"	
Surrogate: Benzo (a) pyrene-d12	99.8 %	60-130				"	"	"	
Surrogate: Pyrene-d10	95.9 %	60-130				"	"	"	

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Becca #D 3-11

MW-02R

10/4/2023 12:50:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Y310149-02 (Water)
Origins Laboratory, Inc.

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.200	ug/L	1	B3J0927	Nindows	10/09/2023	10/10/2023	U
2-Methylnaphthalene	ND	0.200	"	"	"	Nindows	"	"	U
Benzo (a) anthracene	ND	0.500	"	"	"	Nindows	"	"	U
Surrogate: Fluorene-d10	96.7 %	60-130				"	"	"	
Surrogate: Anthracene-d10	104 %	60-130				"	"	"	
Surrogate: Benzo (a) pyrene-d12	96.8 %	60-130				"	"	"	
Surrogate: Pyrene-d10	111 %	60-130				"	"	"	

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 - Becca #D 3-11

MW-03

10/4/2023 1:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Y310149-03 (Water)
Origins Laboratory, Inc.

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.200	ug/L	1	B3J0927	Nindows	10/09/2023	10/10/2023	U
2-Methylnaphthalene	ND	0.200	"	"	"	Nindows	"	"	U
Benzo (a) anthracene	ND	0.500	"	"	"	Nindows	"	"	U

Surrogate: Fluorene-d10	97.7 %	60-130				"	"	"	
Surrogate: Anthracene-d10	102 %	60-130				"	"	"	
Surrogate: Benzo (a) pyrene-d12	99.7 %	60-130				"	"	"	
Surrogate: Pyrene-d10	105 %	60-130				"	"	"	

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 - Becca #D 3-11

MW-04
10/4/2023 1:25:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Y310149-04 (Water)
Origins Laboratory, Inc.

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.200	ug/L	1	B3J0927	Nindows	10/09/2023	10/10/2023	U
2-Methylnaphthalene	ND	0.200	"	"	"	Nindows	"	"	U
Benzo (a) anthracene	ND	0.500	"	"	"	Nindows	"	"	U
Surrogate: Fluorene-d10	95.2 %	60-130				"	"	"	
Surrogate: Anthracene-d10	105 %	60-130				"	"	"	
Surrogate: Benzo (a) pyrene-d12	96.0 %	60-130				"	"	"	
Surrogate: Pyrene-d10	102 %	60-130				"	"	"	

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 - Becca #D 3-11

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3J0927 - EPA 3510C_MS

Blank (B3J0927-BLK1)

Prepared: 10/09/2023 Analyzed: 10/10/2023

1-Methylnaphthalene	ND	0.200	ug/L							U
2-Methylnaphthalene	ND	0.200	"							U
Acenaphthene	ND	2.00	"							U
Anthracene	ND	2.00	"							U
Benzo (a) anthracene	ND	0.500	"							U
Benzo (a) pyrene	ND	2.00	"							U
Benzo (b) fluoranthene	ND	2.00	"							U
Benzo (g,h,i) perylene	ND	2.00	"							U
Benzo (k) fluoranthene	ND	2.00	"							U
Chrysene	ND	2.00	"							U
Dibenz (a,h) anthracene	ND	2.00	"							U
Fluoranthene	ND	2.00	"							U
Fluorene	ND	2.00	"							U
Indeno (1,2,3-cd) pyrene	ND	2.00	"							U
Naphthalene	ND	0.200	"							U
Phenanthrene	ND	2.00	"							U
Pyrene	ND	2.00	"							U
Surrogate: Fluorene-d10	190		"	200		96.7	60-130			
Surrogate: Anthracene-d10	210		"	200		106	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		99.2	60-130			
Surrogate: Pyrene-d10	220		"	200		108	60-130			

LCS (B3J0927-BS1)

Prepared: 10/09/2023 Analyzed: 10/10/2023

1-Methylnaphthalene	18.8	0.200	ug/L	20.0		93.8	70-130			
2-Methylnaphthalene	19.3	0.200	"	20.0		96.6	70-130			
Acenaphthene	19.2	2.00	"	20.0		96.2	70-130			
Anthracene	17.1	2.00	"	20.0		85.7	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 - Becca #D 3-11

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3J0927 - EPA 3510C_MS

LCS (B3J0927-BS1)

Prepared: 10/09/2023 Analyzed: 10/10/2023

Benzo (a) anthracene	16.9	0.500	ug/L	20.0		84.7	70-130			
Benzo (a) pyrene	18.0	2.00	"	20.0		90.0	70-130			
Benzo (b) fluoranthene	18.9	2.00	"	20.0		94.3	70-130			
Benzo (g,h,i) perylene	18.2	2.00	"	20.0		91.1	70-130			
Benzo (k) fluoranthene	17.0	2.00	"	20.0		85.2	70-130			
Chrysene	17.8	2.00	"	20.0		88.9	70-130			
Dibenz (a,h) anthracene	18.1	2.00	"	20.0		90.3	70-130			
Fluoranthene	17.9	2.00	"	20.0		89.5	70-130			
Fluorene	18.6	2.00	"	20.0		93.2	70-130			
Indeno (1,2,3-cd) pyrene	19.1	2.00	"	20.0		95.3	70-130			
Naphthalene	20.0	0.200	"	20.0		99.8	70-130			
Phenanthrene	18.9	2.00	"	20.0		94.3	70-130			
Pyrene	18.7	2.00	"	20.0		93.4	70-130			
Surrogate: Fluorene-d10	200		"	200		99.4	60-130			
Surrogate: Anthracene-d10	200		"	200		101	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		100	60-130			
Surrogate: Pyrene-d10	200		"	200		98.6	60-130			

Matrix Spike (B3J0927-MS1)

Source: Y310107-01

Prepared: 10/09/2023 Analyzed: 10/10/2023

1-Methylnaphthalene	19.5	0.200	ug/L	20.0	ND	97.5	70-130			
2-Methylnaphthalene	18.5	0.200	"	20.0	ND	92.4	70-130			
Acenaphthene	18.9	2.00	"	20.0	ND	94.4	70-130			
Anthracene	17.7	2.00	"	20.0	ND	88.6	70-130			
Benzo (a) anthracene	17.8	0.500	"	20.0	ND	89.0	70-130			
Benzo (a) pyrene	18.9	2.00	"	20.0	ND	94.7	70-130			
Benzo (b) fluoranthene	18.9	2.00	"	20.0	ND	94.6	70-130			
Benzo (g,h,i) perylene	18.3	2.00	"	20.0	ND	91.4	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 - Becca #D 3-11

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3J0927 - EPA 3510C_MS

Matrix Spike (B3J0927-MS1)		Source: Y310107-01			Prepared: 10/09/2023 Analyzed: 10/10/2023					
Benzo (k) fluoranthene	16.2	2.00	ug/L	20.0	ND	81.1	70-130			
Chrysene	18.3	2.00	"	20.0	ND	91.3	70-130			
Dibenz (a,h) anthracene	16.6	2.00	"	20.0	ND	83.2	70-130			
Fluoranthene	18.1	2.00	"	20.0	ND	90.3	70-130			
Fluorene	18.6	2.00	"	20.0	ND	93.0	70-130			
Indeno (1,2,3-cd) pyrene	18.1	2.00	"	20.0	ND	90.3	70-130			
Naphthalene	19.3	0.200	"	20.0	ND	96.3	70-130			
Phenanthrene	18.4	2.00	"	20.0	ND	92.2	70-130			
Pyrene	20.3	2.00	"	20.0	ND	101	70-130			
Surrogate: Fluorene-d10	200		"	200		98.1	60-130			
Surrogate: Anthracene-d10	210		"	200		105	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		100	60-130			
Surrogate: Pyrene-d10	210		"	200		106	60-130			

Matrix Spike Dup (B3J0927-MSD1)		Source: Y310107-01			Prepared: 10/09/2023 Analyzed: 10/10/2023					
1-Methylnaphthalene	19.7	0.200	ug/L	20.0	ND	98.6	70-130	1.11	20	
2-Methylnaphthalene	19.1	0.200	"	20.0	ND	95.4	70-130	3.18	20	
Acenaphthene	19.3	2.00	"	20.0	ND	96.4	70-130	2.09	20	
Anthracene	17.4	2.00	"	20.0	ND	87.1	70-130	1.64	20	
Benzo (a) anthracene	18.7	0.500	"	20.0	ND	93.5	70-130	4.98	20	
Benzo (a) pyrene	19.5	2.00	"	20.0	ND	97.7	70-130	3.07	20	
Benzo (b) fluoranthene	18.0	2.00	"	20.0	ND	90.0	70-130	4.91	20	
Benzo (g,h,i) perylene	18.0	2.00	"	20.0	ND	90.0	70-130	1.49	20	
Benzo (k) fluoranthene	17.3	2.00	"	20.0	ND	86.6	70-130	6.53	20	
Chrysene	18.1	2.00	"	20.0	ND	90.7	70-130	0.583	20	
Dibenz (a,h) anthracene	17.3	2.00	"	20.0	ND	86.4	70-130	3.68	20	
Fluoranthene	18.1	2.00	"	20.0	ND	90.3	70-130	0.0214	20	

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Becca #D 3-11

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3J0927 - EPA 3510C_MS

Matrix Spike Dup (B3J0927-MSD1)	Source: Y310107-01			Prepared: 10/09/2023 Analyzed: 10/10/2023						
Fluorene	19.0	2.00	ug/L	20.0	ND	95.2	70-130	2.34	20	
Indeno (1,2,3-cd) pyrene	17.2	2.00	"	20.0	ND	86.1	70-130	4.73	20	
Naphthalene	19.4	0.200	"	20.0	ND	97.2	70-130	0.940	20	
Phenanthrene	19.0	2.00	"	20.0	ND	94.9	70-130	2.92	20	
Pyrene	21.0	2.00	"	20.0	ND	105	70-130	3.23	20	
Surrogate: Fluorene-d10	200		"	200		100	60-130			
Surrogate: Anthracene-d10	180		"	200		88.4	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		98.2	60-130			
Surrogate: Pyrene-d10	220		"	200		108	60-130			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Becca #D 3-11

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.

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Jen Pellegrini For Noelle Doyle Mathis, President