



FIGURES

Figure 1: Groundwater Analytical Map (04/17/23)

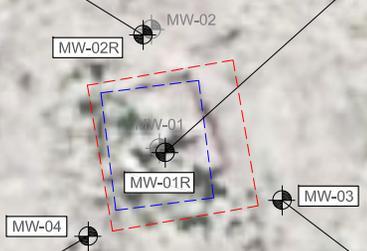
Figure 2: Groundwater Elevation Map (04/17/23)

MW-02R
 04/17/23
 B = <1.00
 T = <1.00
 E = 2.16
 X = 15.4
 N = <2.00
 1,2,4-TMB = <2.00
 1,3,5-TMB = <2.00
 1-M = 0.00922
 2-M = <0.02
 B(A)A = <0.02

MW-01R
 04/17/23
 B = <1.00
 T = <1.00
 E = 1.92
 X = 3.84
 N = <2.00
 1,2,4-TMB = <2.00
 1,3,5-TMB = <2.00
 1-M = **1.21**
 2-M = <0.02
 B(A)A = <0.02

MW-04
 04/17/23
 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 = <0.02
 2-M = <0.02
 B(A)A = <0.02

MW-03
 04/17/23
 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 = <0.02
 2-M = <0.02
 B(A)A = <0.02



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** EXCEEDED THE COGCC TABLE 915-1 REGULATORY LIMITS AND/OR COGCC NARRATIVE GROUNDWATER QUALITY STANDARDS*.

*COGCC REGULATORY LIMITS IN GROUNDWATER HAVE NOT BEEN ESTABLISHED FOR 1-METHYLNAPHTHALENE & 2-METHYLNAPHTHALENE. COGCC IMPLEMENTS A NARRATIVE GROUNDWATER QUALITY STANDARD TAKEN FROM THE ENVIRONMENTAL PROTECTION AGENCY (EPA) REGIONAL SCREENING LEVELS (RSLs) FOR TAPWATER, AS INCORPORATED BY REFERENCE IN RULE 901.B, TABLES FOR TARGET RISK ("TR")=1x10⁻⁶ AND TARGET HAZARD QUOTIENT ("THQ")=0.1. THE EPA RSL FOR TAPWATER, AND RESULTANT NARRATIVE GROUNDWATER QUALITY STANDARD FOR 1-METHYLNAPHTHALENE & 2-METHYLNAPHTHALENE ARE 1.1 & 3.6 µg/L, RESPECTIVELY.

COGCC = COLORADO OIL AND GAS CONSERVATION COMMISSION

GROUNDWATER ANALYTICAL MAP

(04/17/23)
 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:

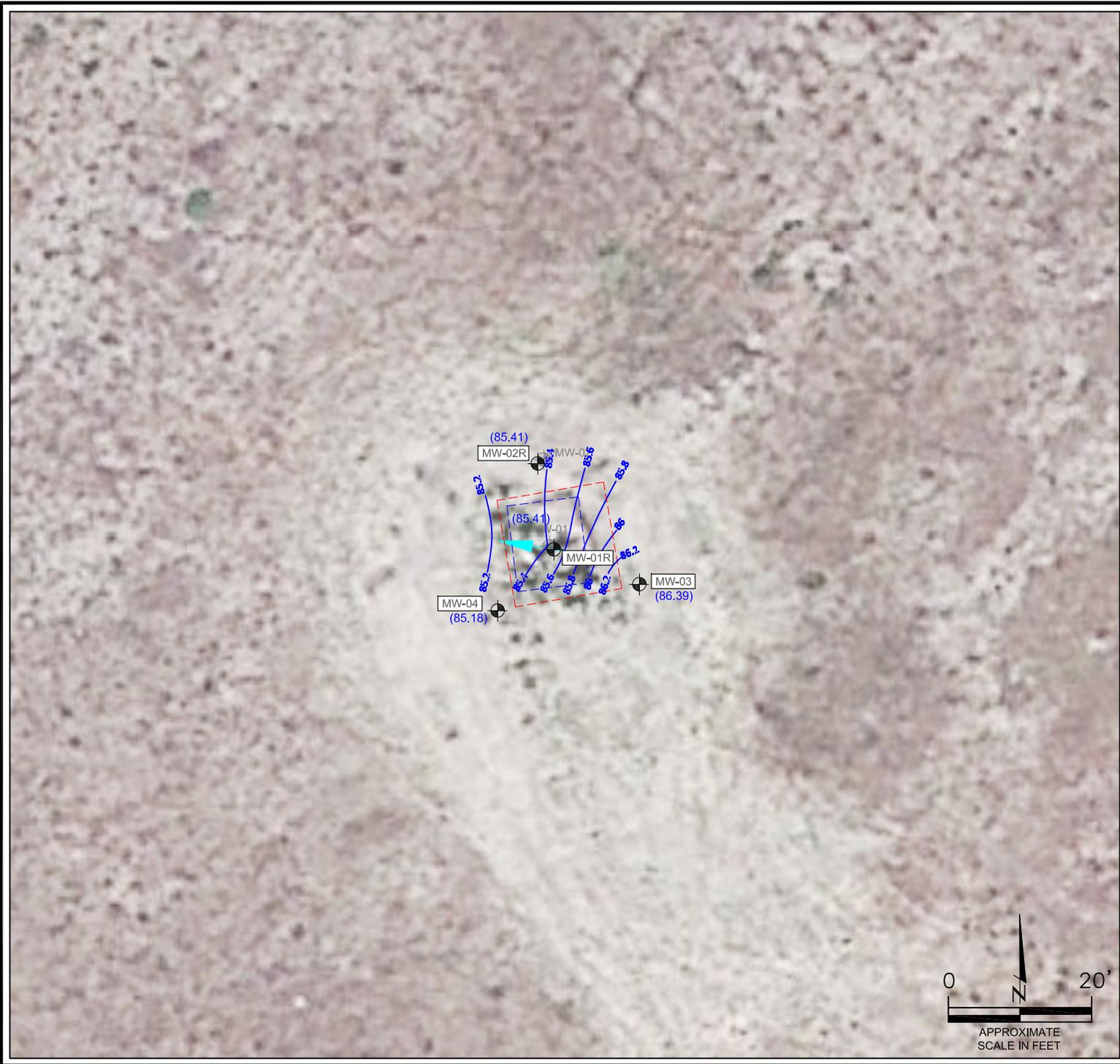
GEC

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
04/17/23.

HYDRAULIC GRADIENT (MW-03 TO MW-04): 0.093 FT/FT

GROUNDWATER ELEVATION MAP
(04/17/23)
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

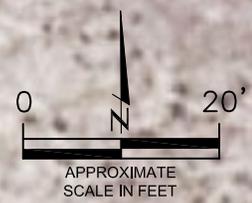
DRAWN BY:
GEC

FIGURE NO.

2



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





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
REMEDIAION # 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)
COGCC 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
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
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
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

Notes:

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

NA - Not Analyzed DES - Destroyed
1,2,4-TMB = 1,2,4-Trimethylbenzene
1,3,5-TMB = 1,3,5-Trimethylbenzene

*COGCC regulatory limits in groundwater have not been established for 1-methylnaphthalene. COGCC implements a narrative groundwater quality standard taken from the Environmental Protection Agency (EPA) Regional Screening Levels (RSLs) for Tapwater, as incorporated by reference in Rule 901.b, tables for Target Risk ("TR") = 1x10⁻⁶ and Target Hazard Quotient ("THQ")=0.1. The EPA RSL for Tapwater, and resultant narrative groundwater quality standard 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 COGCC Table 915-1 regulatory limits and/or Quality Standards*.



**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
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
MW-03 (40.252389 / -104.539493)	10/25/22	100.00	14.50	85.50
			13.61	86.39
MW-04 (40.252379 / -104.539556)	10/25/22	99.50	13.81	85.69
			14.32	85.18
Notes: DES - Destroyed TOC - Top of Casing bgs- below ground surface				





ATTACHMENT A

Well Completion Diagrams – Replacement Wells (MW-01R & MW-02R)

Boring Log/Well Completion Diagram: MW-01R

DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-13.5') silty, clayey SAND - Excavation Backfill (BF)	BF / SM	DP	1	70	0.8	N/A	2	Concrete/Steel Casing	
						2.8				
5	(13.5-20') silty SAND - brown, moist to wet, medium dense, fine to medium grained, poorly-graded with ~20% sil,t, N/O, N/S	BF / SM	DP	2	80	2.3	N/A	5	2" Dia. Sch. 40 PVC Riser	
						5.5				
10		SM	DP	3	80	8.2	N/A	10	10/20 Silica Sand Pack	
						8.8				
15	SM	DP	4	90	4.2	N/A	15	2" Dia. Sch. 40 Slotted PVC (0.010")		
					3.6					
20	BoB @ 20'							20	2" End Cap	
25								25		
30								30		

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

START/COMPLETION DATE: 04/12/23		SAND PACK INTERVAL (FEET): 4-20	
PROJECT: BECCA #D 3-11		BENTONITE/GROUT INTERVAL (FEET): 0.5-4	
LOGGED BY: I. MCFARLAND		WELL SCREEN INTERVAL (FEET): 5-20	
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE		WELL DIAMETER (INCHES): 2	
BORING DEPTH (FEET): 20	WELL DEPTH (FEET): 20	 <p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> <p>8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>	
PID INSTRUMENT: MINIRAE 3000 - PID #10			
TIME STARTED/COMPLETED: 1125/1138			
SAMPLE COLLECTION DEPTH (FEET)/TIME: Not Sampled-Replacement			

Boring Log/Well Completion Diagram: MW-02R

DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-20') silty SAND - brown, moist to wet, medium dense to dense, fine to medium grained, poorly-graded with ~15-20% silt, N/O, N/S @14' - wet	SM	DP	1	80	0.3	N/A	<p>Concrete/Steel Casing</p> <p>Bentonite Chips</p> <p>2" Dia. Sch. 40 PVC Riser</p> <p>10/20 Silica Sand Pack</p> <p>2" Dia. Sch. 40 Slotted PVC (0.010")</p> <p>2" End Cap</p>		
0.8										
5				2	90	0.3	N/A			
5						0.5				
10			DP	3	60	0.8	N/A			
10						0.9				
15				4	70	0.4	N/A			
15						0.2				
20	BoB @ 20'									
25										
30										

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

START/COMPLETION DATE: 04/12/23		SAND PACK INTERVAL (FEET): 4-20	
PROJECT: BECCA #D 3-11		BENTONITE/GROUT INTERVAL (FEET): 0.5-4	
LOGGED BY: I. MCFARLAND		WELL SCREEN INTERVAL (FEET): 5-20	
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE		WELL DIAMETER (INCHES): 2	
BORING DEPTH (FEET): 20	WELL DEPTH (FEET): 20	<p>EAGLE ENVIRONMENTAL CONSULTING, LLC</p> <p>8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>	
PID INSTRUMENT: MINIRAE 3000 - PID #10			
TIME STARTED/COMPLETED: 1148/1205			
SAMPLE COLLECTION DEPTH (FEET)/TIME: Not Sampled-Replacement			



ATTACHMENT B

Laboratory Analytical Reports



April 27, 2023

Eagle Environmental Consulting, LLC

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Becca #3-11

Project Number - [none]

Attached are your analytical results for Noble - Becca #3-11 received by Origins Laboratory, Inc. April 17, 2023. This project is associated with Origins project number Y304390-01.

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 #3-11

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01R	Y304390-01	Water	April 17, 2023 14:10	04/17/2023 16:13
MW-02R	Y304390-02	Water	April 17, 2023 14:20	04/17/2023 16:13
MW-03	Y304390-03	Water	April 17, 2023 14:30	04/17/2023 16:13
MW-04	Y304390-04	Water	April 17, 2023 14:40	04/17/2023 16:13

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 #3-11

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4304390

Client: Eagle Environ
 Client Project ID: Becca #3-11

Checklist Completed by: JAVIENS
 Date/time completed: 4/18/23

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

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

Cooler Number/Temperature: 1 / 3 °C / °C / °C (Describe) °C

Thermometer ID: 7004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	/			
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 4/19/23

Origins Laboratory, Inc.

[Signature]

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

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

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

MW-01R

4/17/2023 2:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304390-01 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3D1837	ZZZ	04/18/2023	04/18/2023	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	ZZZ	"	"	U
Benzene	ND	1.00	"	"	"	ZZZ	"	"	U
Ethylbenzene	1.92	1.00	"	"	"	ZZZ	"	"	
Naphthalene	ND	2.00	"	"	"	ZZZ	"	"	U
Toluene	ND	1.00	"	"	"	ZZZ	"	"	U
Xylenes, total	3.84	1.00	"	"	"	ZZZ	"	"	

Surrogate: 1,2-Dichloroethane-d4	122 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	95.8 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	94.5 %	70-130			"	"	"	"	

Origins Laboratory, Inc.



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

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

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

MW-02R

4/17/2023 2:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304390-02 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3D1837	ZZZ	04/18/2023	04/18/2023	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	ZZZ	"	"	U
Benzene	ND	1.00	"	"	"	ZZZ	"	"	U
Ethylbenzene	2.16	1.00	"	"	"	ZZZ	"	"	
Naphthalene	ND	2.00	"	"	"	ZZZ	"	"	U
Toluene	ND	1.00	"	"	"	ZZZ	"	"	U
Xylenes, total	15.4	1.00	"	"	"	ZZZ	"	"	

Surrogate: 1,2-Dichloroethane-d4	122 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	92.2 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	95.8 %	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 #3-11

MW-03

4/17/2023 2:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304390-03 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3D1837	ZZZ	04/18/2023	04/18/2023	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	ZZZ	"	"	U
Benzene	ND	1.00	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	1.00	"	"	"	ZZZ	"	"	U
Naphthalene	ND	2.00	"	"	"	ZZZ	"	"	U
Toluene	ND	1.00	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	1.00	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4	124 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	92.6 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	94.8 %	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 #3-11

MW-04

4/17/2023 2:40:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304390-04 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3D1837	ZZZ	04/18/2023	04/19/2023	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	ZZZ	"	"	U
Benzene	ND	1.00	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	1.00	"	"	"	ZZZ	"	"	U
Naphthalene	ND	2.00	"	"	"	ZZZ	"	"	U
Toluene	ND	1.00	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	1.00	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4	124 %	70-130				"	"	"	
Surrogate: Toluene-d8	91.4 %	70-130				"	"	"	
Surrogate: 4-Bromofluorobenzene	95.2 %	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 #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
Batch B3D1837 - EPA 5030B (Water)										
Blank (B3D1837-BLK1)										
					Prepared: 04/18/2023 Analyzed: 04/18/2023					
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	74		"	62.5		118	70-130			
Surrogate: Toluene-d8	60		"	62.5		95.4	70-130			
Surrogate: 4-Bromofluorobenzene	59		"	62.5		94.6	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 #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 B3D1837 - EPA 5030B (Water)

LCS (B3D1837-BS1)

Prepared: 04/18/2023 Analyzed: 04/18/2023

1,2,4-Trimethylbenzene	51.4	2.00	ug/L	50.0		103	70-130			
1,3,5-Trimethylbenzene	52.0	2.00	"	50.0		104	70-130			
Benzene	48.0	1.00	"	50.0		95.9	70-130			
Ethylbenzene	50.6	1.00	"	50.0		101	70-130			
m,p-Xylene	104	2.00	"	100		104	70-130			
Naphthalene	50.0	2.00	"	50.0		100	70-130			
o-Xylene	55.7	1.00	"	50.0		111	70-130			
Toluene	46.7	1.00	"	50.0		93.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		98.3	70-130			
Surrogate: Toluene-d8	62		"	62.5		98.7	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	70-130			

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Becca #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 B3D1837 - EPA 5030B (Water)

Matrix Spike (B3D1837-MS1)	Source: Y304367-01			Prepared: 04/18/2023 Analyzed: 04/18/2023						
1,2,4-Trimethylbenzene	48.9	2.00	ug/L	50.0	ND	97.7	70-130			
1,3,5-Trimethylbenzene	46.4	2.00	"	50.0	ND	92.8	70-130			
Benzene	47.4	1.00	"	50.0	ND	94.8	70-130			
Ethylbenzene	46.6	1.00	"	50.0	ND	93.2	70-130			
m,p-Xylene	95.5	2.00	"	100	ND	95.5	70-130			
Naphthalene	51.6	2.00	"	50.0	ND	103	70-130			
o-Xylene	50.0	1.00	"	50.0	ND	99.9	70-130			
Toluene	44.9	1.00	"	50.0	ND	89.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5		103	70-130			
Surrogate: Toluene-d8	60		"	62.5		95.5	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.5	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 #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 B3D1837 - EPA 5030B (Water)

Matrix Spike Dup (B3D1837-MSD1)	Source: Y304367-01			Prepared: 04/18/2023 Analyzed: 04/18/2023						
1,2,4-Trimethylbenzene	46.6	2.00	ug/L	50.0	ND	93.2	70-130	4.80	20	
1,3,5-Trimethylbenzene	44.0	2.00	"	50.0	ND	88.0	70-130	5.38	20	
Benzene	46.6	1.00	"	50.0	ND	93.2	70-130	1.70	20	
Ethylbenzene	45.1	1.00	"	50.0	ND	90.2	70-130	3.21	20	
m,p-Xylene	92.8	2.00	"	100	ND	92.8	70-130	2.87	20	
Naphthalene	52.6	2.00	"	50.0	ND	105	70-130	1.86	20	
o-Xylene	48.2	1.00	"	50.0	ND	96.5	70-130	3.54	20	
Toluene	44.3	1.00	"	50.0	ND	88.7	70-130	1.28	20	
Surrogate: 1,2-Dichloroethane-d4	66		"	62.5		105	70-130			
Surrogate: Toluene-d8	60		"	62.5		95.9	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		100	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 #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.

Jordan A. Bynon, Project Manager



April 21, 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. April 17, 2023. This project is associated with Origins project number Y304391-01.

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	Y304391-01	Water	April 17, 2023 14:10	04/17/2023 16:13
MW-02R	Y304391-02	Water	April 17, 2023 14:20	04/17/2023 16:13
MW-03	Y304391-03	Water	April 17, 2023 14:30	04/17/2023 16:13
MW-04	Y304391-04	Water	April 17, 2023 14:40	04/17/2023 16:13

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: 4304391

Client: Eagle Environ

Client Project ID: BECCA #D3-11

Checklist Completed by: WMEHS

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

Date/time completed: 4/18/23

Airbill #: na

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

Cooler Number/Temperature: 1 / 3 °C _____ °C _____ °C (Describe) _____ °C

Thermometer ID: 7004

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

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

Reviewed by (Project Manager) [Signature]

Date/Time Reviewed 4/19/23

Origins Laboratory, Inc.

[Signature]

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

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

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

MW-01R

4/17/2023 2:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304391-01 (Water)

PAH by 8270D SIM

1-Methylnaphthalene	1.21	0.0076	0.02	µg/L	1	L677354	04/20/2023	04/20/2023	
2-Methylnaphthalene	0.0258	0.0185	0.02	"	"	"	"	"	
Benzo(a)anthracene	ND	0.0113	0.02	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	105 %		70-130			"	"	"	
Surrogate: 4-Terphenyl-d14	131 %		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

MW-02R

4/17/2023 2:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304391-02 (Water)

PAH by 8270D SIM

1-Methylnaphthalene	0.00922	0.0076	0.02	µg/L	1	L677354	04/20/2023	04/20/2023	J
2-Methylnaphthalene	ND	0.0185	0.02	"	"	"	"	"	
Benzo(a)anthracene	ND	0.0113	0.02	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	107 %		70-130			"	"	"	
Surrogate: 4-Terphenyl-d14	128 %		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

MW-03
4/17/2023 2:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304391-03 (Water)

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.0076	0.02	µg/L	1	L677354	04/20/2023	04/20/2023	
2-Methylnaphthalene	ND	0.0185	0.02	"	"	"	"	"	
Benzo(a)anthracene	ND	0.0113	0.02	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	110 %		70-130			"	"	"	
Surrogate: 4-Terphenyl-d14	121 %		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

MW-04
4/17/2023 2:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304391-04 (Water)

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.0076	0.02	µg/L	1	L677354	04/20/2023	04/20/2023	
2-Methylnaphthalene	ND	0.0185	0.02	"	"	"	"	"	
Benzo(a)anthracene	ND	0.0113	0.02	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	110 %		70-130			"	"	"	
Surrogate: 4-Terphenyl-d14	135 %		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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L677354 - 3511

LCSD (LCSD-L677354)

Prepared: 04/20/2023 Analyzed: 04/20/2023

Benzo(a)anthracene	2.83	0.02	µg/L	3.03		93.3	60-140	2	20	
2-Methylnaphthalene	3.49	0.02	"	3.03		115	60-140	8.7	20	
1-Methylnaphthalene	3.47	0.02	"	3.03		115	60-140	9.6	20	
Surrogate: 4-Terphenyl-d14	127		"	3.03		127	70-130			
Surrogate: 2-Fluorobiphenyl	107		"	3.03		107	70-130			

LCS (LCS-L677354)

Prepared: 04/20/2023 Analyzed: 04/20/2023

Benzo(a)anthracene	2.89	0.02	µg/L	3.03		95.3	60-140			
2-Methylnaphthalene	3.81	0.02	"	3.03		126	60-140			
1-Methylnaphthalene	3.82	0.02	"	3.03		126	60-140			
Surrogate: 4-Terphenyl-d14	126		"	3.03		126	70-130			
Surrogate: 2-Fluorobiphenyl	111		"	3.03		111	70-130			

LRB (LRB-L677354)

Prepared: 04/20/2023 Analyzed: 04/20/2023

Benzo(a)anthracene	ND	0.02	µg/L				-			
2-Methylnaphthalene	ND	0.02	"				-			
1-Methylnaphthalene	ND	0.02	"				-			
Surrogate: 4-Terphenyl-d14	129		"	3.03		129	70-130			
Surrogate: 2-Fluorobiphenyl	112		"	3.03		112	70-130			

Origins Laboratory, Inc.



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

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

Notes and Definitions

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.

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

Origins Laboratory, Inc.



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