



FIGURES

Figure 1: Groundwater Analytical Map (10/03/23)

Figure 2: Groundwater Elevation Map (10/03/23)



MW-02
10/03/23
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-01
10/03/23
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-05
10/03/23
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
10/03/23
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
10/03/23
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

- FORMER WELLHEAD LOCATION
- X APPROXIMATE RELEASE LOCATION
- APPROXIMATE FLOWLINE LOCATION (REMOVED)
- APPROXIMATE MONITORING WELL LOCATIONS

PARAMETERS

GROUNDWATER SAMPLE LOCATION
DATE
B = BENZENE (µg/L)
T = TOLUENE (µg/L)
E = ETHYLBENZENE (µg/L)
X = TOTAL XYLENES (µg/L)
N = NAPHTHALENE (µg/L)
1,2,4-TMB = 1,2,4-TRIMETHYLBENZENE (µg/L)
1,3,5-TMB = 1,3,5-TRIMETHYLBENZENE (µg/L)
1-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 AND 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 STANDARDS ARE 1.1 µg/L FOR 1-METHYLNAPHTHALENE AND 3.6 µg/L FOR 2-METHYLNAPHTHALENE.

ECMC = ENGERY & CARBON MANAGEMENT COMMISSION

GROUNDWATER ANALYTICAL MAP

(10/03/23)
CODY #D #3-7
HISTORICAL RELEASE
40.255868 / -104.534757
SW¼ NE¼ SEC.3 T3N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-19037
REMEDIATION # 22154

FIGURE NO.

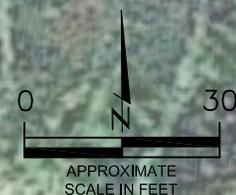
1

DRAWN BY:

IM



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





LEGEND

- FORMER WELLHEAD LOCATION
- X APPROXIMATE RELEASE LOCATION
- APPROXIMATE FLOWLINE LOCATION (REMOVED)
- APPROXIMATE MONITORING WELL LOCATIONS
- (91.45) RELATIVE GROUNDWATER ELEVATION (FT.)
- INFERRED GROUNDWATER ELEVATION CONTOUR (FT.)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

FT. = FEET

NOTE:
GROUNDWATER ELEVATION DATA WAS COLLECTED ON
10/03/23.

HYDRAULIC GRADIENT (MW-02 TO MW-05): 0.015 FT/FT

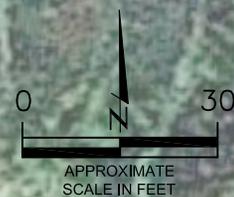
GROUNDWATER ELEVATION MAP
(10/03/23)
CODY #D #3-7
HISTORICAL RELEASE
40.255868 / -104.534757
SW¼ NE¼ SEC.3 T3N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-19037
REMEDATION # 22154

FIGURE NO.
2

DRAWN BY:
IM



EAGLE
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TABLES

Table 1: Groundwater Analytical Results Summary

Table 2: Groundwater Elevation Summary

TABLE 1
GROUNDWATER ANALYTICAL RESULTS SUMMARY
CODY #D #3-7
HISTORICAL RELEASE
40.255868 / -104.534757
SW¼ NE¼ SEC.3 T3N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-19037
REMIEDIATION # 22154

Sample Location (Latitude/Longitude)	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Naphthalene (µg/L)	1,2,4- trimethylbenzene (µg/L)	1,3,5- trimethylbenzene (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	--	--	--
ECMC Narrative Groundwater Quality Standards* (µg/L)		--	--	--	--	--	--	--	1.1*	3.6*	0.16
MW-01 (40.255857 / -104.534752)	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
	10/03/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.200	<0.200	<0.500
MW-02 (40.255928 / -104.534738)	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
	10/03/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.200	<0.200	<0.500
MW-03 (40.255849 / -104.534634)	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
	10/03/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.200	<0.200	<0.500
MW-04 (40.255776 / -104.534763)	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
	10/03/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.200	<0.200	<0.500
MW-05 (40.255864 / -104.534865)	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
	10/03/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.200	<0.200	<0.500

ECMC = Energy & Carbon Management Commission

µg/L - micrograms per liter

Notes:

*ECMC regulatory limits in groundwater have not been established for 1-methylnaphthalene and 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 is 1.1 µg/L for 1-methylnaphthalene and 3.6 µg/L for 2-methylnaphthalene.

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

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

TABLE 2
GROUNDWATER ELEVATION SUMMARY
CODY #D #3-7
HISTORICAL RELEASE
40.255868 / -104.534757
SW¼ NE¼ SEC.3 T3N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-19037
REMEDIAION # 22154

Sample Location (Latitude/Longitude)	Date	TOC Elevation (feet)	Depth to Groundwater from TOC (feet)	Relative Groundwater Elevation (feet)
MW-01 (40.255857 / -104.534752)	04/17/23	99.34	3.17	96.17
	07/03/23		2.06	97.28
	10/03/23		2.52	96.82
MW-02 (40.255928 / -104.534738)	04/17/23	99.84	3.47	96.37
	07/03/23		2.46	97.38
	10/03/23		2.80	97.04
MW-03 (40.255849 / -104.534634)	04/17/23	100.00	3.54	96.46
	07/03/23		2.49	97.51
	10/03/23		2.89	97.11
MW-04 (40.255776 / -104.534763)	04/17/23	99.39	3.53	95.86
	07/03/23		2.54	96.85
	10/03/23		2.86	96.53
MW-05 (40.255864 / -104.534865)	04/17/23	99.04	3.27	95.77
	07/03/23		2.21	96.83
	10/03/23		2.55	96.49
NOTES: TOC - top of casing				



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 - Cody #D #3-7

Project Number - [none]

Attached are your analytical results for Noble - Cody #D #3-7 received by Origins Laboratory, Inc. October 03, 2023. This project is associated with Origins project number Y310106-01.

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 - Cody #D #3-7

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01	Y310106-01	Water	October 3, 2023 13:50	10/03/2023 16:31
MW-02	Y310106-02	Water	October 3, 2023 14:05	10/03/2023 16:31
MW-03	Y310106-03	Water	October 3, 2023 14:20	10/03/2023 16:31
MW-04	Y310106-04	Water	October 3, 2023 14:35	10/03/2023 16:31
MW-05	Y310106-05	Water	October 3, 2023 14:50	10/03/2023 16:31

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 - Cody #D #3-7

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4310106

Client: Eagle

Checklist Completed by: EHS

Client Project ID: Cody #D #3-7

Date/time completed: 10/4/23

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 / 4.5 °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 10/5/23

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 - Cody #D #3-7

MW-01
10/3/2023 1:50:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310106-01 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3J0422	JSM	10/04/2023	10/05/2023	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	86.6 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	103 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	89.0 %	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, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Cody #D #3-7

MW-02
10/3/2023 2:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310106-02 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3J0422	JSM	10/04/2023	10/05/2023	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	87.1 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	107 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	91.7 %	70-130			"	"	"	"	

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Cody #D #3-7

MW-03
10/3/2023 2:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310106-03 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3J0422	JSM	10/04/2023	10/05/2023	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	108 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	88.6 %	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 - Cody #D #3-7

MW-04
10/3/2023 2:35:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310106-04 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3J0422	JSM	10/04/2023	10/05/2023	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	86.4 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	103 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	88.1 %	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 - Cody #D #3-7

MW-05
10/3/2023 2:50:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310106-05 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3J0422	JSM	10/04/2023	10/05/2023	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	90.1 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	102 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	86.3 %	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 - Cody #D #3-7

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 B3J0422 - EPA 5030B (Water)

Blank (B3J0422-BLK1)

Prepared: 10/04/2023 Analyzed: 10/04/2023

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	52		"	62.5	83.4		70-130			
Surrogate: Toluene-d8	65		"	62.5	105		70-130			
Surrogate: 4-Bromofluorobenzene	55		"	62.5	88.7		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 - Cody #D #3-7

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 B3J0422 - EPA 5030B (Water)

LCS (B3J0422-BS1)

Prepared: 10/04/2023 Analyzed: 10/04/2023

1,2,4-Trimethylbenzene	41.0	2.00	ug/L	50.0		82.0	70-130			
1,3,5-Trimethylbenzene	43.1	2.00	"	50.0		86.2	70-130			
Benzene	41.6	1.00	"	50.0		83.2	70-130			
Ethylbenzene	44.2	1.00	"	50.0		88.4	70-130			
m,p-Xylene	88.8	2.00	"	100		88.8	70-130			
Naphthalene	46.0	2.00	"	50.0		92.1	70-130			
o-Xylene	45.0	1.00	"	50.0		90.1	70-130			
Toluene	41.8	1.00	"	50.0		83.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	55		"	62.5		87.4	70-130			
Surrogate: Toluene-d8	65		"	62.5		105	70-130			
Surrogate: 4-Bromofluorobenzene	53		"	62.5		84.2	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 - Cody #D #3-7

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 B3J0422 - EPA 5030B (Water)

Matrix Spike (B3J0422-MS1)	Source: Y310058-01			Prepared: 10/04/2023 Analyzed: 10/04/2023						
1,2,4-Trimethylbenzene	39.5	2.00	ug/L	50.0	ND	79.0	70-130			
1,3,5-Trimethylbenzene	40.0	2.00	"	50.0	ND	79.9	70-130			
Benzene	38.4	1.00	"	50.0	ND	76.9	70-130			
Ethylbenzene	41.7	1.00	"	50.0	ND	83.3	70-130			
m,p-Xylene	80.1	2.00	"	100	ND	80.1	70-130			
Naphthalene	46.0	2.00	"	50.0	ND	92.0	70-130			
o-Xylene	42.6	1.00	"	50.0	ND	85.2	70-130			
Toluene	38.1	1.00	"	50.0	ND	76.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	53		"	62.5		84.9	70-130			
Surrogate: Toluene-d8	63		"	62.5		101	70-130			
Surrogate: 4-Bromofluorobenzene	50		"	62.5		80.7	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
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 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Cody #D #3-7

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 B3J0422 - EPA 5030B (Water)

Matrix Spike Dup (B3J0422-MSD1)	Source: Y310058-01			Prepared: 10/04/2023 Analyzed: 10/04/2023						
1,2,4-Trimethylbenzene	38.7	2.00	ug/L	50.0	ND	77.5	70-130	1.99	20	
1,3,5-Trimethylbenzene	39.2	2.00	"	50.0	ND	78.4	70-130	1.87	20	
Benzene	38.5	1.00	"	50.0	ND	77.0	70-130	0.234	20	
Ethylbenzene	40.8	1.00	"	50.0	ND	81.6	70-130	2.04	20	
m,p-Xylene	80.9	2.00	"	100	ND	80.9	70-130	0.969	20	
Naphthalene	43.1	2.00	"	50.0	ND	86.2	70-130	6.53	20	
o-Xylene	43.1	1.00	"	50.0	ND	86.2	70-130	1.17	20	
Toluene	38.3	1.00	"	50.0	ND	76.5	70-130	0.471	20	
Surrogate: 1,2-Dichloroethane-d4	51		"	62.5		82.3	70-130			
Surrogate: Toluene-d8	66		"	62.5		105	70-130			
Surrogate: 4-Bromofluorobenzene	51		"	62.5		82.2	70-130			

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8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Cody #D #3-7

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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October 16, 2023

Eagle Environmental Consulting, LLC

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Cody #D #3-7

Project Number - [none]

Attached are your analytical results for Noble - Cody #D #3-7 received by Origins Laboratory, Inc. October 03, 2023. This project is associated with Origins project number Y310107-01.

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 - Cody #D #3-7

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01	Y310107-01	Water	October 3, 2023 13:50	10/03/2023 16:31
MW-02	Y310107-02	Water	October 3, 2023 14:05	10/03/2023 16:31
MW-03	Y310107-03	Water	October 3, 2023 14:20	10/03/2023 16:31
MW-04	Y310107-04	Water	October 3, 2023 14:35	10/03/2023 16:31
MW-05	Y310107-05	Water	October 3, 2023 14:50	10/03/2023 16:31

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 - Cody #D #3-7

MW-01
10/3/2023 1:50:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310107-01 (Water)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.200	ug/L	1	B3J0927	Windo	10/09/2023	10/10/2023	U
2-Methylnaphthalene	ND	0.200	"	"	"	Windo	"	"	U
Benzo (a) anthracene	ND	0.500	"	"	"	Windo	"	"	U
<i>Surrogate: Fluorene-d10</i>	95.9 %	60-130				"	"	"	
<i>Surrogate: Anthracene-d10</i>	90.1 %	60-130				"	"	"	
<i>Surrogate: Benzo (a) pyrene-d12</i>	99.2 %	60-130				"	"	"	
<i>Surrogate: Pyrene-d10</i>	116 %	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 - Cody #D #3-7

MW-02
10/3/2023 2:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310107-02 (Water)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.200	ug/L	1	B3J0927	Windo	10/09/2023	10/10/2023	U
2-Methylnaphthalene	ND	0.200	"	"	"	Windo	"	"	U
Benzo (a) anthracene	ND	0.500	"	"	"	Windo	"	"	U
<i>Surrogate: Fluorene-d10</i>	95.8 %	60-130				"	"	"	
<i>Surrogate: Anthracene-d10</i>	104 %	60-130				"	"	"	
<i>Surrogate: Benzo (a) pyrene-d12</i>	95.5 %	60-130				"	"	"	
<i>Surrogate: Pyrene-d10</i>	122 %	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 - Cody #D #3-7

MW-03
10/3/2023 2:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310107-03 (Water)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.200	ug/L	1	B3J0927	Windo	10/09/2023	10/10/2023	U
2-Methylnaphthalene	ND	0.200	"	"	"	Windo	"	"	U
Benzo (a) anthracene	ND	0.500	"	"	"	Windo	"	"	U
Surrogate: Fluorene-d10	97.4 %	60-130				"	"	"	
Surrogate: Anthracene-d10	95.4 %	60-130				"	"	"	
Surrogate: Benzo (a) pyrene-d12	97.8 %	60-130				"	"	"	
Surrogate: Pyrene-d10	120 %	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 - Cody #D #3-7

MW-04
10/3/2023 2:35:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310107-04 (Water)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.200	ug/L	1	B3J0927	Windo	10/09/2023	10/10/2023	U
2-Methylnaphthalene	ND	0.200	"	"	"	Windo	"	"	U
Benzo (a) anthracene	ND	0.500	"	"	"	Windo	"	"	U
Surrogate: Fluorene-d10	98.0 %	60-130				"	"	"	
Surrogate: Anthracene-d10	104 %	60-130				"	"	"	
Surrogate: Benzo (a) pyrene-d12	97.4 %	60-130				"	"	"	
Surrogate: Pyrene-d10	114 %	60-130				"	"	"	

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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 - Cody #D #3-7

MW-05
10/3/2023 2:50:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310107-05 (Water)

PAH by EPA 8270E

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

Surrogate: Fluorene-d10	94.0 %	60-130				"	"	"	
Surrogate: Anthracene-d10	93.4 %	60-130				"	"	"	
Surrogate: Benzo (a) pyrene-d12	97.1 %	60-130				"	"	"	
Surrogate: Pyrene-d10	108 %	60-130				"	"	"	

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Eagle Environmental Consulting, LLC
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 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Cody #D #3-7

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 - Cody #D #3-7

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			

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 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Cody #D #3-7

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.



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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 - Cody #D #3-7

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			

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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 - Cody #D #3-7

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