



## **FIGURES**

**Figure 1: Groundwater Analytical Map (3/27/24)**

**Figure 2: Groundwater Elevation Map (3/27/24)**

# LEGEND

— WELLHEAD ASSESSMENT BOUNDARIES

⊕ 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-MN = 1-METHYLNAPHTHALENE

2-MN = 2-METHYLNAPHTHALENE

C = CHLORIDE (mg/L)

S = SULFATE (mg/L)

TDS = TOTAL DISSOLVED SOLIDS (mg/L)

μg/L = MICROGRAMS PER LITER

mg/L = MILLIGRAMS PER LITER

### NOTES:

VALUES PRESENTED WITH A LESS THAN SYMBOL (<) INDICATE CONCENTRATIONS WERE NOT OBSERVED AT OR ABOVE THE LABORATORY REPORTING LIMIT.

VALUES PRESENTED IN **BOLD** EXCEED THE ECMC TABLE 915-1 REGULATORY LIMITS.

GROUNDWATER INORGANIC PARAMETERS IN MW-04 WERE USED IN THE DETERMINATION OF LOCAL BACKGROUND LEVELS AT THE SITE.

ECMC = ENERGY AND CARBON MANAGEMENT COMMISSION

## GROUNDWATER ANALYTICAL MAP

(03/27/24)

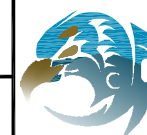
McBAIN (BAINBRIDGE) #1  
HISTORICAL RELEASE  
40.361784 / -104.680276  
NE¼ NE¼ SEC.32 T5N R65W 6PM  
WELD COUNTY, COLORADO  
API # 05-123-12032  
REMEDATION # 27419

FIGURE NO.

1

DRAWN BY:

ZM



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

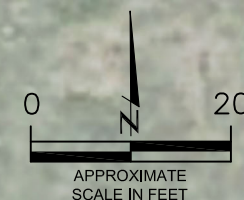
MW-02  
3/27/24  
B = <1.00  
T = <1.00  
E = <1.00  
X = <1.00  
N = <2.00  
1,2,4-TMB = <2.00  
1,3,5-TMB = <2.00  
1-MN = <0.20  
2-MN = <0.20  
C = 140  
S = 463  
TDS= 928

MW-01  
3/27/24  
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-MN = <0.20  
2-MN = <0.20  
C = 158  
S = 456  
TDS= 988



MW-05  
3/27/24  
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-MN = <0.20  
2-MN = <0.20  
C = 126  
S = 416  
TDS= 942

MW-03  
3/27/24  
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-MN = <0.20  
2-MN = <0.20  
C = 134  
S = 492  
TDS= 924

MW-04  
3/27/24  
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-MN = <0.20  
2-MN = <0.20  
C = 144  
S = 419  
TDS= 912



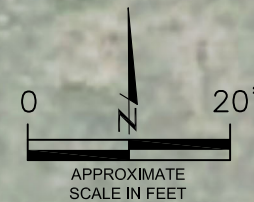
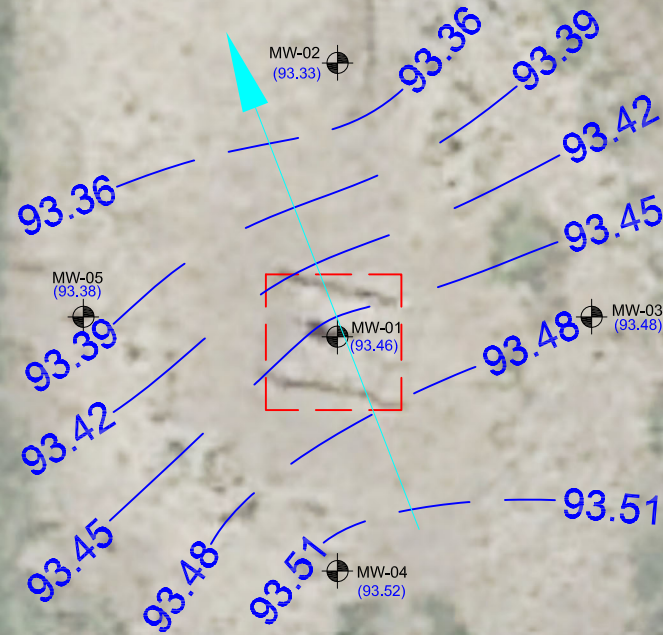
**LEGEND**

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

FT. = FEET

NOTE:  
GROUNDWATER ELEVATION DATA WAS COLLECTED FROM ALL  
MONITORING WELLS ON 03/27/24.

HYDRAULIC GRADIENT (MW-04 TO MW-02): 0.004 FT./FT.



**GROUNDWATER ELEVATION MAP  
(03/27/24)**

McBAIN (BAINBRIDGE) #1  
HISTORICAL RELEASE  
40.361784 / -104.680276  
NE¼ NE¼ SEC.32 T5N R65W 6PM  
WELD COUNTY, COLORADO  
API # 05-123-12032  
REMEDATION # 27419

FIGURE NO.  
2

DRAWN BY:  
ZM



**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: Inorganic Groundwater Parameters Summary**

**Table 3: Groundwater Elevation Summary**



TABLE 1  
GROUNDWATER ANALYTICAL RESULTS SUMMARY  
McBAIN (BAINBRIDGE) #1  
HISTORICAL RELEASE  
40.361784 / -104.680276  
NE¼ NE¼ SEC.32 T5N R65W 6PM  
WELD COUNTY, COLORADO  
API # 05-123-12032  
REMEDIALATION # 27419

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)
<b>ECMC Table 915-1 Regulatory Limits (µg/L)</b>		<b>5</b>	<b>560</b>	<b>700</b>	<b>1400</b>	<b>140</b>	<b>67</b>	<b>67</b>	--	--
<b>ECMC Narrative Groundwater Quality Standards* (µg/L)</b>		--	--	--	--	--	--	--	<b>1.1*</b>	<b>3.6*</b>
GW-01 (40.361788 / -104.680269)	04/25/23	<b>31.4</b>	166	27.1	429	3.76	<b>78.8</b>	49.7	NA	NA
MW-01 (40.361781 / -104.680281)	09/19/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.020	<0.020
	12/29/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.200	<0.200
	03/27/24	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.200	<0.200
MW-02 (40.361868 / -104.680268)	09/19/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.020	<0.020
	12/29/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.200	<0.200
	03/27/24	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.200	<0.200
MW-03 (40.361787 / -104.680164)	09/19/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.020	<0.020
	12/29/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.200	<0.200
	03/27/24	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.200	<0.200
MW-04 (40.361710 / -104.680258)	09/19/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.020	<0.020
	12/29/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.200	<0.200
	03/27/24	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.200	<0.200
MW-05 (40.6361785 / -104.680369)	09/19/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.020	<0.020
	12/29/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.200	<0.200
	03/27/24	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.200	<0.200

ECMC = Energy and Carbon Management Commission

µg/L - micrograms per liter

\*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<sup>-6</sup> 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.

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

Values presented in **BOLD** exceed ECMC Table 915-1 Regulatory Limits.

**TABLE 2**  
**INORGANIC GROUNDWATER PARAMETERS SUMMARY**  
**McBAIN (BAINBRIDGE) #1**  
**HISTORICAL RELEASE**  
**40.361784 / -104.680276**  
**NE¼ NE¼ SEC.32 T5N R65W 6PM**  
**WELD COUNTY, COLORADO**  
**API # 05-123-12032**  
**REMEDIACTION # 27419**

Sample Location (Latitude/Longitude)	Date	Chloride (mg/L)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)
<i>ECMC Table 91-1 Regulatory Limits (mg/L)</i>		<1.25xLocal Background (180)	<1.25xLocal Background (523)	<1.25xLocal Background (1312)
MW-01 (40.361781 / -104.680281)	09/19/23	130	302	1070
	12/29/23	114	241	786
	03/27/24	158	456	988
MW-02 (40.361868 / -104.680268)	09/19/23	125	303	1130
	12/29/23	115	233	792
	03/27/24	140	463	928
MW-03 (40.361787 / -104.680164)	09/19/23	125	273	990
	12/29/23	123	243	778
	03/27/24	134	492	924
MW-04 (40.361710 / -104.680258)	09/19/23	127	286	1050
	12/29/23	113	245	774
	03/27/24	144	419	912
MW-05 (40.6361785 / -104.680369)	09/19/23	123	299	1180
	12/29/23	113	238	752
	03/27/24	126	416	942

ECMC - Energy and Carbon Management Commission

mg/L - milligrams per liter

Note: The Groundwater Inorganic Parameters in monitoring well, MW-04, in September 2023 and March 2024 were used in the determination of "local background" levels at the site. Local "regulatory limit" (1.25\*local background) presented (in parentheses).

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

**TABLE 3**  
**GROUNDWATER ELEVATION SUMMARY**  
**McBAIN (BAINBRIDGE) #1**  
**HISTORICAL RELEASE**  
**40.361784 / -104.680276**  
**NE¼ NE¼ SEC.32 T5N R65W 6PM**  
**WELD COUNTY, COLORADO**  
**API # 05-123-12032**  
**REMEDATION # 27419**

Sample Location (Latitude/Longitude)	Date	Top of Casing Elevation (feet)	Depth to Groundwater from TOC (feet)	Relative Groundwater Elevation (feet)	Stickup Height (feet)	Depth to Groundwater (feet) (bgs)
MW-01 (40.361781 / -104.680281)	09/19/23	99.57	4.54	95.03	2.72	1.82
	12/29/23		5.99	93.58		3.27
	03/27/24		6.11	93.46		3.39
MW-02 (40.361868 / -104.680268)	09/19/23	99.90	4.99	94.91	3.13	1.86
	12/29/23		6.41	93.49		3.28
	03/27/24		6.57	93.33		3.44
MW-03 (40.361787 / -104.680164)	09/19/23	99.95	4.92	95.03	2.88	2.04
	12/29/23		6.34	93.61		3.46
	03/27/24		6.47	93.48		3.59
MW-04 (40.361710 / -104.680258)	09/19/23	99.64	4.55	95.09	2.93	1.62
	12/29/23		5.98	93.66		3.05
	03/27/24		6.12	93.52		3.19
MW-05 (40.6361785 / -104.680369)	09/19/23	100.00	5.02	94.98	3.06	1.96
	12/29/23		6.47	93.53		3.41
	03/27/24		6.62	93.38		3.56
NOTES: TOC = top of casing NA = Not Applicable NM = Not Measured <span style="float: right;">             bgs = below ground surface              DES = Destroyed              INA = Inaccessible           </span>						



## **ATTACHMENT A**

### **Laboratory Analytical Reports (1Q24)**





April 09, 2024

Eagle Environmental Consulting, LLC

Andrew Newberry

8000 W 44th Ave

Wheat Ridge CO 80033

**Project Name - Noble - McBain (BainBridge) #1      Project Number - [none]**

Attached are your analytical results for Noble - McBain (BainBridge) #1 received by Origins Laboratory, Inc. March 27, 2024. This project is associated with Origins project number Y403766-01.

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

Andrew Newberry  
Project Number: [none]  
Project: Noble - McBain (BainBridge) #1

### CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01	Y403766-01	Water	March 27, 2024 10:15	03/27/2024 14:30
MW-02	Y403766-02	Water	March 27, 2024 10:15	03/27/2024 14:30
MW-03	Y403766-03	Water	March 27, 2024 10:30	03/27/2024 14:30
MW-04	Y403766-04	Water	March 27, 2024 10:35	03/27/2024 14:30
MW-05	Y403766-05	Water	March 27, 2024 10:20	03/27/2024 14:30

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

Andrew Newberry  
Project Number: [none]  
Project: Noble - McBain (BainBridge) #1

Origins Laboratory

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

### Sample Receipt Checklist

Origins Work Order: 4037600 Client: Eagle  
Client Project ID: McBain

Checklist Completed by: EHS Shipped Via: HD  
Date/time completed: 3/27/24 (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
Airbill #: N/A

Matrix(s) Received: (Check all that apply): Soil/Solid ☒ Water ☐ Other: \_\_\_\_\_  
Cooler Number/Temperature: 115 °C 1 °C 1 °C (Describe) \_\_\_\_\_ °C  
Thermometer ID: 1004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (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 <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH >10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NC
Additional Comments (if any):				

<sup>(1)</sup>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: JB (Project Manager)

Date/Time Reviewed: 3/29/24

Origins Laboratory, Inc.

*J. Bynon*

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

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

Andrew Newberry  
Project Number: [none]  
Project: Noble - McBain (BainBridge) #1

## MW-01

3/27/2024 10:15:00AM

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

## Origins Laboratory, Inc. Y403766-01 (Water)

### BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B4C2832	JSM	03/28/2024	03/29/2024	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	104 %	70-130	"	"	"
Surrogate: Toluene-d8	95.3 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	97.1 %	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

Andrew Newberry  
Project Number: [none]  
Project: Noble - McBain (BainBridge) #1

## MW-02

3/27/2024 10:15:00AM

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

## Origins Laboratory, Inc. Y403766-02 (Water)

### BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B4C2832	JSM	03/28/2024	03/29/2024	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	103 %	70-130	"	"	"
Surrogate: Toluene-d8	106 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	96.5 %	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

Andrew Newberry  
Project Number: [none]  
Project: Noble - McBain (BainBridge) #1

## MW-03

3/27/2024 10:30:00AM

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

## Origins Laboratory, Inc. Y403766-03 (Water)

### BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B4C2832	JSM	03/28/2024	03/29/2024	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	108 %	70-130	"	"	"
Surrogate: Toluene-d8	91.0 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	98.0 %	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

Andrew Newberry  
Project Number: [none]  
Project: Noble - McBain (BainBridge) #1

## MW-04

3/27/2024 10:35:00AM

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

## Origins Laboratory, Inc. Y403766-04 (Water)

### BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B4C2832	JSM	03/28/2024	03/29/2024	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	103 %	70-130	"	"	"
Surrogate: Toluene-d8	104 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	99.7 %	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

Andrew Newberry  
Project Number: [none]  
Project: Noble - McBain (BainBridge) #1

## MW-05

3/27/2024 10:20:00AM

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

## Origins Laboratory, Inc. Y403766-05 (Water)

### BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B4C2832	JSM	03/28/2024	03/29/2024	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	106 %	70-130	"	"	"
Surrogate: Toluene-d8	89.2 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	98.5 %	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

Andrew Newberry  
Project Number: [none]  
Project: Noble - McBain (BainBridge) #1

## 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 B4C2832 - EPA 5030B (Water)										
Blank (B4C2832-BLK1)					Prepared: 03/28/2024 Analyzed: 03/28/2024					
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	66		"	62.5		106	70-130			
Surrogate: Toluene-d8	67		"	62.5		108	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.1	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

Andrew Newberry  
Project Number: [none]  
Project: Noble - McBain (BainBridge) #1

## 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 B4C2832 - EPA 5030B (Water)										
LCS (B4C2832-BS1)					Prepared: 03/28/2024 Analyzed: 03/28/2024					
1,2,4-Trimethylbenzene	46.9	2.00	ug/L	50.0		93.8	70-130			
1,3,5-Trimethylbenzene	44.4	2.00	"	50.0		88.8	70-130			
Benzene	50.8	1.00	"	50.0		102	70-130			
Ethylbenzene	45.1	1.00	"	50.0		90.2	70-130			
m,p-Xylene	87.6	2.00	"	100		87.6	70-130			
Naphthalene	50.1	2.00	"	50.0		100	70-130			
o-Xylene	41.5	1.00	"	50.0		83.0	70-130			
Toluene	44.1	1.00	"	50.0		88.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	53		"	62.5		84.6	70-130			
Surrogate: Toluene-d8	68		"	62.5		109	70-130			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		103	70-130			

Origins Laboratory, Inc.



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

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

Andrew Newberry  
Project Number: [none]  
Project: Noble - McBain (BainBridge) #1

## 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 B4C2832 - EPA 5030B (Water)										
Matrix Spike (B4C2832-MS1)		Source: Y403751-01			Prepared: 03/28/2024 Analyzed: 03/28/2024					
1,2,4-Trimethylbenzene	560	2.00	ug/L	50.0	574	NR	70-130			QM-07
1,3,5-Trimethylbenzene	306	2.00	"	50.0	150	313	70-130			QM-07
Benzene	58.4	1.00	"	50.0	ND	117	70-130			
Ethylbenzene	204	1.00	"	50.0	127	155	70-130			QM-07
m,p-Xylene	2260	2.00	"	100	2320	NR	70-130			QM-07
Naphthalene	55.1	2.00	"	50.0	10.8	88.6	70-130			
o-Xylene	377	1.00	"	50.0	371	12.3	70-130			QM-07
Toluene	45.8	1.00	"	50.0	ND	91.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		101	70-130			
Surrogate: Toluene-d8	72		"	62.5		116	70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	70-130			

Origins Laboratory, Inc.



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



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

Andrew Newberry  
Project Number: [none]  
Project: Noble - McBain (BainBridge) #1

## 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 B4C2832 - EPA 5030B (Water)										
Matrix Spike Dup (B4C2832-MSD1)			Source: Y403751-01		Prepared: 03/28/2024 Analyzed: 03/28/2024					
1,2,4-Trimethylbenzene	479	2.00	ug/L	50.0	574	NR	70-130	15.5	20	QM-07
1,3,5-Trimethylbenzene	252	2.00	"	50.0	150	204	70-130	19.5	20	QM-07
Benzene	57.7	1.00	"	50.0	ND	115	70-130	1.21	20	
Ethylbenzene	199	1.00	"	50.0	127	145	70-130	2.35	20	QM-07
m,p-Xylene	2160	2.00	"	100	2320	NR	70-130	4.53	20	QM-07
Naphthalene	61.8	2.00	"	50.0	10.8	102	70-130	11.5	20	
o-Xylene	371	1.00	"	50.0	371	NR	70-130	1.72	20	QM-07
Toluene	57.4	1.00	"	50.0	ND	115	70-130	22.5	20	QR-02
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5		102	70-130			
Surrogate: Toluene-d8	64		"	62.5		102	70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	70-130			

Origins Laboratory, Inc.



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

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

Andrew Newberry  
Project Number: [none]  
Project: Noble - McBain (BainBridge) #1

## Notes and Definitions

U Sample is Non-Detect.

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

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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



April 15, 2024

Eagle Environmental Consulting, LLC

Andrew Newberry

8000 W 44th Ave

Wheat Ridge CO 80033

**Project Name - Noble - McBain (BainBridge) #1      Project Number - [none]**

Attached are your analytical results for Noble - McBain (BainBridge) #1 received by Origins Laboratory, Inc. March 27, 2024. This project is associated with Origins project number Y403767-01.

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

Andrew Newberry  
Project Number: [none]  
Project: Noble - McBain (BainBridge) #1

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01	Y403767-01	Water	March 27, 2024 10:15	03/27/2024 14:30
MW-02	Y403767-02	Water	March 27, 2024 10:15	03/27/2024 14:30
MW-03	Y403767-03	Water	March 27, 2024 10:30	03/27/2024 14:30
MW-04	Y403767-04	Water	March 27, 2024 10:35	03/27/2024 14:30
MW-05	Y403767-05	Water	March 27, 2024 10:20	03/27/2024 14:30

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.*

Andrew Newberry  
Project Number: [none]  
Project: Noble - McBain (BainBridge) #1

# ORIGINS

LABORATORY, INC

www.originslaboratory.com

page

of

Client: Eagle Environmental Consulting

Address: 3000 W 94th Ave

West Ridge CO 80033

Telephone Number: 303-433-0499


Email Address: aneuberry.eagle-environ.com

Project Manager: Andrew Newberry

Project Name: M. Bean (Barnbridge #1)

Project Number: —

Samples Collected By: EG/EM

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Air Summa #		
MW-01	3/27/24	1015	3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1- Meth 2- Meth 3- Meth	MDSs Needed
MW-02	—	1015	—	—	—	—	—	—	—	—	—	—
MW-03	—	1030	—	—	—	—	—	—	—	—	—	—
MW-04	—	1035	—	—	—	—	—	—	—	—	—	—
MW-05	—	1020	—	—	—	—	—	—	—	—	—	—
Relinquished By: 	Date: 3/27/24	Time: 1430	Time: 1430	Received By: EHS	Received By: 3/27/24	Date: 1430	Time: 1430	Turnaround Time: Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input checked="" type="checkbox"/> Standard				

Bill to Don

Temp Received - S

Date Results Needed: Noble

Origins Laboratory, Inc.

Byron

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

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

Andrew Newberry  
Project Number: [none]  
Project: Noble - McBain (BainBridge) #1

Origins Laboratory

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

**Sample Receipt Checklist**

Origins Work Order: 4403707 Client: Eagle  
Client Project ID: McBain

Checklist Completed by: EHS Shipped Via: LIO  
(UPS, FedEx, Hand Delivered, Pick-up, etc.)  
Date/time completed: 3/27/24 Airbill #: N/A

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

Cooler Number/Temperature: 115 °C 1 °C 1 °C (Describe) °C

Thermometer ID: 7004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (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 <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH >10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>NC</u>
Additional Comments (if any):				

<sup>(1)</sup> 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: [Signature] (Project Manager) Date/Time Reviewed: 3/29/24

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

Andrew Newberry  
Project Number: [none]  
Project: Noble - McBain (BainBridge) #1

## MW-01

3/27/2024 10:15:00AM

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

## Origins Laboratory, Inc. Y403767-01 (Water)

### PAH by EPA 8270E

1-Methylnaphthalene	ND	0.200	ug/L	1	B4D0920	agile	04/09/2024	04/10/2024	U
2-Methylnaphthalene	ND	0.200	"	"	"	agile	"	"	U

Surrogate: Fluorene-d10	100 %	60-130			"	"	"
Surrogate: Anthracene-d10	97.8 %	60-130			"	"	"
Surrogate: Benzo (a) pyrene-d12	102 %	60-130			"	"	"
Surrogate: Pyrene-d10	101 %	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

Andrew Newberry  
Project Number: [none]  
Project: Noble - McBain (BainBridge) #1

**MW-02**

**3/27/2024 10:15:00AM**

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

**Origins Laboratory, Inc.**  
**Y403767-02 (Water)**

**PAH by EPA 8270E**

1-Methylnaphthalene	ND	0.200	ug/L	1	B4D0920	agile	04/09/2024	04/10/2024	U
2-Methylnaphthalene	ND	0.200	"	"	"	agile	"	"	U

Surrogate: Fluorene-d10	98.3 %	60-130			"	"	"
Surrogate: Anthracene-d10	98.7 %	60-130			"	"	"
Surrogate: Benzo (a) pyrene-d12	101 %	60-130			"	"	"
Surrogate: Pyrene-d10	101 %	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

Andrew Newberry  
Project Number: [none]  
Project: Noble - McBain (BainBridge) #1

## MW-03

3/27/2024 10:30:00AM

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

## Origins Laboratory, Inc. Y403767-03 (Water)

### PAH by EPA 8270E

1-Methylnaphthalene	ND	0.200	ug/L	1	B4D0920	agile	04/09/2024	04/10/2024	U
2-Methylnaphthalene	ND	0.200	"	"	"	agile	"	"	U

Surrogate: Fluorene-d10	101 %	60-130			"	"	"
Surrogate: Anthracene-d10	99.4 %	60-130			"	"	"
Surrogate: Benzo (a) pyrene-d12	101 %	60-130			"	"	"
Surrogate: Pyrene-d10	102 %	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

Andrew Newberry  
Project Number: [none]  
Project: Noble - McBain (BainBridge) #1

## MW-04

3/27/2024 10:35:00AM

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

## Origins Laboratory, Inc. Y403767-04 (Water)

### PAH by EPA 8270E

1-Methylnaphthalene	ND	0.200	ug/L	1	B4D0920	agile	04/09/2024	04/10/2024	U
2-Methylnaphthalene	ND	0.200	"	"	"	agile	"	"	U

Surrogate: Fluorene-d10	98.8 %	60-130			"	"	"
Surrogate: Anthracene-d10	95.0 %	60-130			"	"	"
Surrogate: Benzo (a) pyrene-d12	103 %	60-130			"	"	"
Surrogate: Pyrene-d10	101 %	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

Andrew Newberry  
Project Number: [none]  
Project: Noble - McBain (BainBridge) #1

## MW-05

3/27/2024 10:20:00AM

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

## Origins Laboratory, Inc. Y403767-05 (Water)

### PAH by EPA 8270E

1-Methylnaphthalene	ND	0.200	ug/L	1	B4D0920	agile	04/09/2024	04/10/2024	U
2-Methylnaphthalene	ND	0.200	"	"	"	agile	"	"	U

Surrogate: Fluorene-d10	95.7 %	60-130			"	"	"
Surrogate: Anthracene-d10	99.3 %	60-130			"	"	"
Surrogate: Benzo (a) pyrene-d12	109 %	60-130			"	"	"
Surrogate: Pyrene-d10	101 %	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

Andrew Newberry  
Project Number: [none]  
Project: Noble - McBain (BainBridge) #1

**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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch B4D0920 - EPA 3510C\_MS**

**Blank (B4D0920-BLK1)**

Prepared: 04/09/2024 Analyzed: 04/10/2024

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	200		"	200		101	60-130			
Surrogate: Anthracene-d10	200		"	200		97.8	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130			
Surrogate: Pyrene-d10	200		"	200		99.5	60-130			

**LCS (B4D0920-BS1)**

Prepared: 04/09/2024 Analyzed: 04/10/2024

1-Methylnaphthalene	18.8	0.200	ug/L	20.0		93.8	70-130			
2-Methylnaphthalene	18.3	0.200	"	20.0		91.6	70-130			
Acenaphthene	18.3	2.00	"	20.0		91.5	70-130			
Anthracene	18.0	2.00	"	20.0		90.1	70-130			

Origins Laboratory, Inc.



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



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

Andrew Newberry  
Project Number: [none]  
Project: Noble - McBain (BainBridge) #1

**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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch B4D0920 - EPA 3510C\_MS**

**LCS (B4D0920-BS1)**

Prepared: 04/09/2024 Analyzed: 04/10/2024

Benzo (a) anthracene	19.0	0.500	ug/L	20.0		95.1	70-130			
Benzo (a) pyrene	18.9	2.00	"	20.0		94.7	70-130			
Benzo (b) fluoranthene	19.9	2.00	"	20.0		99.3	70-130			
Benzo (g,h,i) perylene	19.6	2.00	"	20.0		97.9	70-130			
Benzo (k) fluoranthene	17.6	2.00	"	20.0		87.9	70-130			
Chrysene	18.8	2.00	"	20.0		93.8	70-130			
Dibenz (a,h) anthracene	19.1	2.00	"	20.0		95.4	70-130			
Fluoranthene	18.3	2.00	"	20.0		91.5	70-130			
Fluorene	18.3	2.00	"	20.0		91.7	70-130			
Indeno (1,2,3-cd) pyrene	18.4	2.00	"	20.0		92.2	70-130			
Naphthalene	18.9	0.200	"	20.0		94.5	70-130			
Phenanthrene	18.6	2.00	"	20.0		93.2	70-130			
Pyrene	18.7	2.00	"	20.0		93.3	70-130			

Surrogate: Fluorene-d10	200		"	200		99.8	60-130			
Surrogate: Anthracene-d10	200		"	200		98.1	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		104	60-130			
Surrogate: Pyrene-d10	200		"	200		99.2	60-130			

**LCS Dup (B4D0920-BSD1)**

Prepared: 04/09/2024 Analyzed: 04/10/2024

1-Methylnaphthalene	19.3	0.200	ug/L	20.0		96.4	70-130	2.81	20	
2-Methylnaphthalene	19.0	0.200	"	20.0		94.9	70-130	3.58	20	
Acenaphthene	19.1	2.00	"	20.0		95.4	70-130	4.11	20	
Anthracene	18.7	2.00	"	20.0		93.3	70-130	3.46	20	
Benzo (a) anthracene	19.0	0.500	"	20.0		94.8	70-130	0.362	20	
Benzo (a) pyrene	19.0	2.00	"	20.0		94.9	70-130	0.128	20	
Benzo (b) fluoranthene	19.5	2.00	"	20.0		97.6	70-130	1.72	20	
Benzo (g,h,i) perylene	19.6	2.00	"	20.0		98.0	70-130	0.107	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

Andrew Newberry  
Project Number: [none]  
Project: Noble - McBain (BainBridge) #1

**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
<b>Batch B4D0920 - EPA 3510C_MS</b>										
<b>LCS Dup (B4D0920-BSD1)</b>					Prepared: 04/09/2024 Analyzed: 04/10/2024					
Benzo (k) fluoranthene	19.7	2.00	ug/L	20.0		98.5	70-130	11.4	20	
Chrysene	19.2	2.00	"	20.0		96.1	70-130	2.47	20	
Dibenz (a,h) anthracene	20.5	2.00	"	20.0		102	70-130	7.04	20	
Fluoranthene	19.4	2.00	"	20.0		96.8	70-130	5.61	20	
Fluorene	19.1	2.00	"	20.0		95.3	70-130	3.91	20	
Indeno (1,2,3-cd) pyrene	19.2	2.00	"	20.0		96.1	70-130	4.12	20	
Naphthalene	19.8	0.200	"	20.0		99.0	70-130	4.57	20	
Phenanthrene	19.3	2.00	"	20.0		96.6	70-130	3.61	20	
Pyrene	19.8	2.00	"	20.0		98.9	70-130	5.84	20	
Surrogate: Fluorene-d10	200		"	200		98.5	60-130			
Surrogate: Anthracene-d10	200		"	200		97.9	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		98.7	60-130			
Surrogate: Pyrene-d10	200		"	200		99.9	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

Andrew Newberry  
Project Number: [none]  
Project: Noble - McBain (BainBridge) #1

### 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.*



April 11, 2024

Eagle Environmental Consulting, LLC

Andrew Newberry

8000 W 44th Ave

Wheat Ridge CO 80033

**Project Name - Noble - McBain (BainBridge) #1      Project Number - [none]**

Attached are your analytical results for Noble - McBain (BainBridge) #1 received by Origins Laboratory, Inc. March 27, 2024. This project is associated with Origins project number Y403768-01.

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

Andrew Newberry

Project Number: [none]

Project: Noble - McBain (BainBridge) #1

### CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01	Y403768-01	Water	March 27, 2024 10:15	03/27/2024 14:30
MW-02	Y403768-02	Water	March 27, 2024 10:15	03/27/2024 14:30
MW-03	Y403768-03	Water	March 27, 2024 10:30	03/27/2024 14:30
MW-04	Y403768-04	Water	March 27, 2024 10:35	03/27/2024 14:30
MW-05	Y403768-05	Water	March 27, 2024 10:20	03/27/2024 14:30

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



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

Andrew Newberry  
Project Number: [none]  
Project: Noble - McBain (BainBridge) #1

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

**Sample Receipt Checklist**

Origins Work Order: 4403768 Client: Eagle  
Client Project ID: McBain

Checklist Completed by: EHS/BA Shipped Via: HD  
(UPS, FedEx, Hand Delivered, Pick-up, etc.)  
Date/time completed: 3/27/24 Airbill #: N/A

Matrix(s) Received: (Check all that apply): Soil/Solid ☒ Water ☐ Other: ☐ (Describe)

Cooler Number/Temperature: 115 °C 1 °C 1 °C 1 °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 <sup>(1)</sup> ?	/			
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 <sup>(1)</sup> ?	/			
Was adequate sample volume provided <sup>(1)</sup> ?	/			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?		/		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	/			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	/			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	/			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	/			
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 <sup>(1)</sup> ? (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 <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH >10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)		/		
Additional Comments (if any):				

<sup>(1)</sup> 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) JB Date/Time Reviewed 3/29/24

Origins Laboratory, Inc.

*J. Bynon*

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



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

Andrew Newberry  
Project Number: [none]  
Project: Noble - McBain (BainBridge) #1

MW-01

3/27/2024 10:15:00AM

Analyte	Result	Reporting		Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
		Limit								

Origins Laboratory, Inc.  
Y403768-01 (Water)

Anions by IC 300.0

Chloride	158	31.2	mg/L	125	B4C2912	DLT	03/29/2024	04/05/2024
Sulfate	456	31.2	"	"	"	DLT	"	04/09/2024

Total Dissolved Solids by 2540C

Total Dissolved Solids	988	5.00	"	1	B4C2821	KRM	03/28/2024	03/29/2024
------------------------	-----	------	---	---	---------	-----	------------	------------

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

Andrew Newberry  
Project Number: [none]  
Project: Noble - McBain (BainBridge) #1

## MW-02

3/27/2024 10:15:00AM

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

## Origins Laboratory, Inc. Y403768-02 (Water)

### Anions by IC 300.0

Chloride	140	31.2	mg/L	125	B4C2912	DLT	03/29/2024	04/05/2024	
Sulfate	463	31.2	"	"	"	DLT	"	04/09/2024	

### Total Dissolved Solids by 2540C

Total Dissolved Solids	928	5.00	"	1	B4C2821	KRM	03/28/2024	03/29/2024	
------------------------	-----	------	---	---	---------	-----	------------	------------	--

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

Andrew Newberry  
Project Number: [none]  
Project: Noble - McBain (BainBridge) #1

## MW-03

3/27/2024 10:30:00AM

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

## Origins Laboratory, Inc. Y403768-03 (Water)

### Anions by IC 300.0

Chloride	134	31.2	mg/L	125	B4C2912	DLT	03/29/2024	04/05/2024	
Sulfate	492	31.2	"	"	"	DLT	"	04/09/2024	

### Total Dissolved Solids by 2540C

Total Dissolved Solids	924	5.00	"	1	B4C2821	KRM	03/28/2024	03/29/2024	
------------------------	-----	------	---	---	---------	-----	------------	------------	--

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

Andrew Newberry  
Project Number: [none]  
Project: Noble - McBain (BainBridge) #1

## MW-04

3/27/2024 10:35:00AM

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

## Origins Laboratory, Inc. Y403768-04 (Water)

### Anions by IC 300.0

Chloride	144	31.2	mg/L	125	B4C2912	DLT	03/29/2024	04/05/2024	
Sulfate	419	31.2	"	"	"	DLT	"	04/09/2024	

### Total Dissolved Solids by 2540C

Total Dissolved Solids	912	5.00	"	1	B4C2821	KRM	03/28/2024	03/29/2024	
------------------------	-----	------	---	---	---------	-----	------------	------------	--

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

Andrew Newberry  
Project Number: [none]  
Project: Noble - McBain (BainBridge) #1

## MW-05

3/27/2024 10:20:00AM

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

## Origins Laboratory, Inc. Y403768-05 (Water)

### Anions by IC 300.0

Chloride	126	31.2	mg/L	125	B4C2912	DLT	03/29/2024	04/05/2024	
Sulfate	416	31.2	"	"	"	DLT	"	04/09/2024	

### Total Dissolved Solids by 2540C

Total Dissolved Solids	942	5.00	"	1	B4C2821	KRM	03/28/2024	03/29/2024	
------------------------	-----	------	---	---	---------	-----	------------	------------	--

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

Andrew Newberry  
Project Number: [none]  
Project: Noble - McBain (BainBridge) #1

## Classical Chemistry Parameters - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B4C2821 - NO PREP</b>										
<b>Blank (B4C2821-BLK1)</b>					Prepared: 03/28/2024 Analyzed: 03/29/2024					
Total Dissolved Solids	ND	5.00	mg/L							
<b>LCS (B4C2821-BS1)</b>					Prepared: 03/28/2024 Analyzed: 03/29/2024					
Total Dissolved Solids	998	5.00	mg/L	1040		96.0	90-110			
<b>Duplicate (B4C2821-DUP1)</b>		<b>Source: Y403768-01</b>			Prepared: 03/28/2024 Analyzed: 03/29/2024					
Total Dissolved Solids	1000	5.00	mg/L		988			1.21	10	
<b>Batch B4C2912 - Filter .45um non acidified</b>										
<b>Blank (B4C2912-BLK1)</b>					Prepared: 03/29/2024 Analyzed: 04/05/2024					
Chloride	ND	0.250	mg/L							
Sulfate	ND	0.250	"							
<b>LCS (B4C2912-BS1)</b>					Prepared: 03/29/2024 Analyzed: 04/05/2024					
Chloride	3.75	0.250	mg/L	4.00		93.7	90-110			
Sulfate	4.17	0.250	"	4.00		104	90-110			
<b>Matrix Spike (B4C2912-MS1)</b>		<b>Source: Y403769-05</b>			Prepared: 03/29/2024 Analyzed: 04/05/2024					
Chloride	936		mg/L	500	495	88.2	90-110			QM-07
Sulfate	2660		"	500	2500	32.4	90-110			QM-07
<b>Matrix Spike Dup (B4C2912-MSD1)</b>		<b>Source: Y403769-05</b>			Prepared: 03/29/2024 Analyzed: 04/05/2024					
Chloride	929		mg/L	500	495	86.8	90-110	0.737	5	QM-07
Sulfate	2670		"	500	2500	34.0	90-110	0.289	5	QM-07

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

Andrew Newberry

Project Number: [none]

Project: Noble - McBain (BainBridge) #1

### Notes and Definitions

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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