



FIGURES

Figure 1: Groundwater Analytical Map (12/29/23)

Figure 2: Groundwater Elevation Map (12/29/23)

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-02

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-01

MW-05

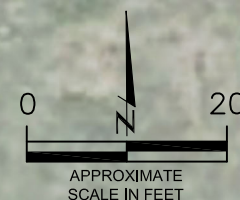
MW-05
3/27/24
B = <1.00
T = <1.00
E = <1.00
X = <1.00
N = <2.00
1,2,4-TMB = <2.00
1,3,5-TMB = <2.00
1-MN = <0.20
2-MN = <0.20
C = 126
S = 416
TDS= 942

MW-04

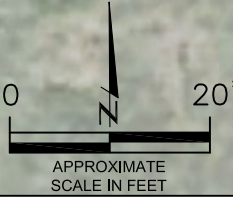
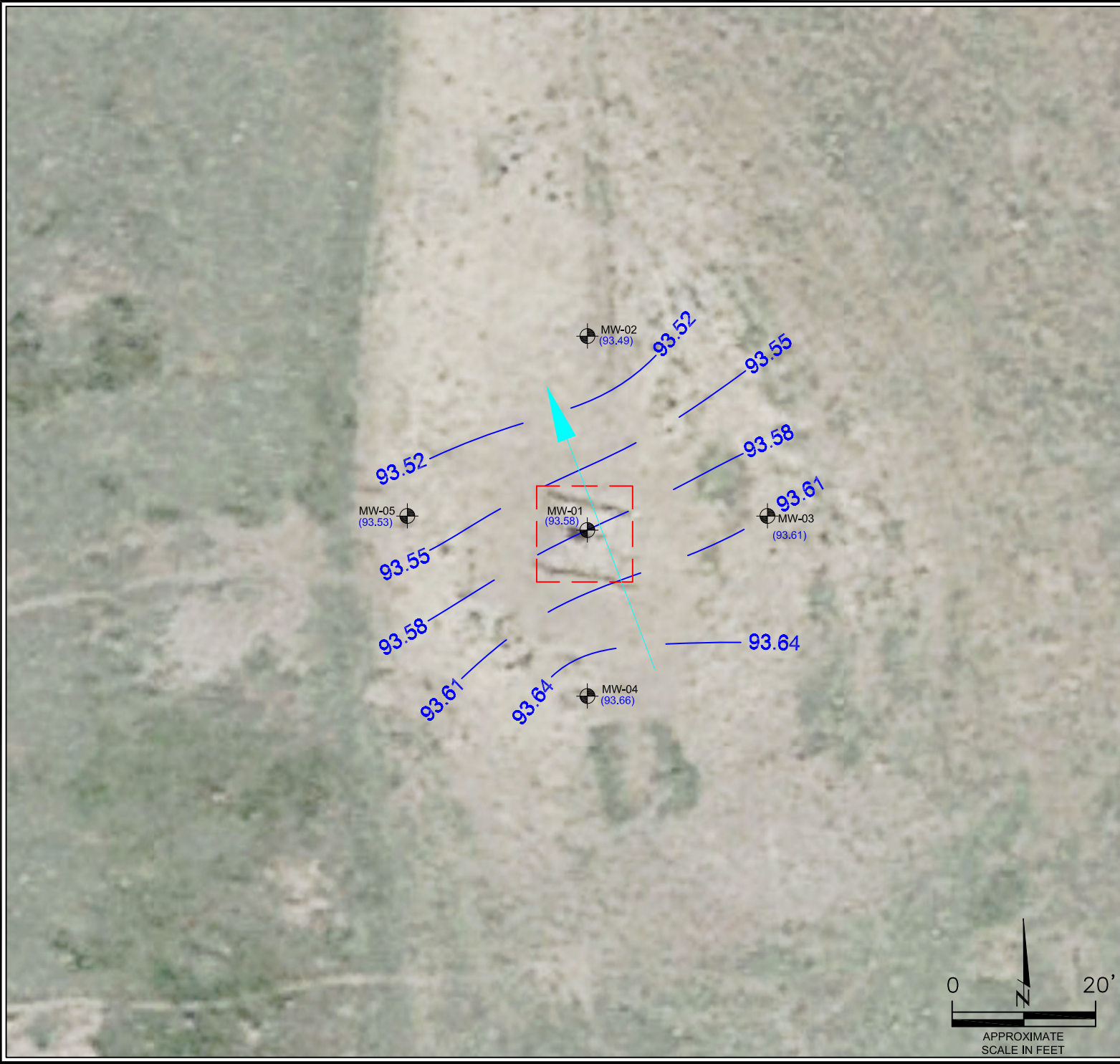
MW-04
3/27/24
B = <1.00
T = <1.00
E = <1.00
X = <1.00
N = <2.00
1,2,4-TMB = <2.00
1,3,5-TMB = <2.00
1-MN = <0.20
2-MN = <0.20
C = 144
S = 419
TDS= 912

MW-03

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



APPROXIMATE
SCALE IN FEET



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 12/29/23.

HYDRAULIC GRADIENT (MW-04 TO MW-02): 0.003 FT./FT.

**GROUNDWATER ELEVATION MAP
(12/29/23)**

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

FIGURE NO.

2

DRAWN BY:

ZM



EAGLE
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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)
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*
GW-01 (40.361788 / -104.680269)	04/25/23	31.4	166	27.1	429	3.76	78.8	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
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
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
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
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

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") = 1×10^{-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.

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
 REMEDIATION # 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 (159)	<1.25xLocal Background (357)	<1.25xLocal Background (1312)
MW-01 (40.361781 / -104.680281)	09/19/23	130	302	1070
	12/29/23	114	241	786
MW-02 (40.361868 / -104.680268)	09/19/23	125	303	1130
	12/29/23	115	233	792
MW-03 (40.361787 / -104.680164)	09/19/23	125	273	990
	12/29/23	123	243	778
MW-04 (40.361710 / -104.680258)	09/19/23	127	286	1050
	12/29/23	113	245	774
MW-05 (40.6361785 / -104.680369)	09/19/23	123	299	1180
	12/29/23	113	238	752
ECMC - Energy and Carbon Management Commission mg/L - milligrams per liter Note: The Groundwater Inorganic Parameters in monitoring well, MW-04, in September 2023 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
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
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
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
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
NOTES: LNAPL = Light Non Aqueous Phase Liquid TOC = top of casing NA = Not Applicable NM = Not Measured ** = Groundwater elevations were corrected for LNAPL thickness within monitoring wells where LNAPL was present						
		bgs = below ground surface DES = Destroyed INA - Inaccessible				



ATTACHMENT A

Laboratory Analytical Report (4Q23)



January 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. December 29, 2023. This project is associated with Origins project number Y312776-01.

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	Y312776-01	Water	December 29, 2023 10:35	12/29/2023 13:20
MW-02	Y312776-02	Water	December 29, 2023 10:45	12/29/2023 13:20
MW-03	Y312776-03	Water	December 29, 2023 10:55	12/29/2023 13:20
MW-04	Y312776-04	Water	December 29, 2023 11:05	12/29/2023 13:20
MW-05	Y312776-05	Water	December 29, 2023 11:15	12/29/2023 13:20

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.

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: 432770

Client: Eagle
Client Project ID: McBain (BainBridge)

Checklist Completed by: JSH/245

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

Date/time completed: 12/29/23

Airbill #: _____

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

Cooler Number/Temperature: 1, 7 °C / _____ °C / _____ °C / _____ °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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<u>SD</u>
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ½ inch bubble) present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH < 2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH > 10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	
Additional Comments (if any):				

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

Reviewed by: JSH (Project Manager)

1-2-24
Date/Time Reviewed

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

12/29/2023 10:35:00AM

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

Origins Laboratory, Inc. Y312776-01 (Water)

Anions by IC 300.0

Chloride	114	31.2	mg/L	125	B4A0204	ACC	01/02/2024	01/02/2024	
Sulfate	241	31.2	"	"	"	ACC	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	786	5.00	"	1	B4A0219	KRM	01/02/2024	01/03/2024	
------------------------	-----	------	---	---	---------	-----	------------	------------	--

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

12/29/2023 10:45:00AM

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

Origins Laboratory, Inc. Y312776-02 (Water)

Anions by IC 300.0

Chloride	115	31.2	mg/L	125	B4A0204	ACC	01/02/2024	01/02/2024	
Sulfate	233	31.2	"	"	"	ACC	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	792	5.00	"	1	B4A0219	KRM	01/02/2024	01/03/2024	
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Origins Laboratory, Inc.



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

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

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

MW-03

12/29/2023 10:55:00AM

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

Origins Laboratory, Inc. Y312776-03 (Water)

Anions by IC 300.0

Chloride	123	31.2	mg/L	125	B4A0204	ACC	01/02/2024	01/02/2024	
Sulfate	243	31.2	"	"	"	ACC	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	778	5.00	"	1	B4A0219	KRM	01/02/2024	01/03/2024	
------------------------	-----	------	---	---	---------	-----	------------	------------	--

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

12/29/2023 11:05:00AM

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

Origins Laboratory, Inc. Y312776-04 (Water)

Anions by IC 300.0

Chloride	113	31.2	mg/L	125	B4A0204	ACC	01/02/2024	01/02/2024	
Sulfate	245	31.2	"	"	"	ACC	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	774	5.00	"	1	B4A0219	KRM	01/02/2024	01/03/2024	
------------------------	-----	------	---	---	---------	-----	------------	------------	--

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

12/29/2023 11:15:00AM

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

Origins Laboratory, Inc. Y312776-05 (Water)

Anions by IC 300.0

Chloride	113	31.2	mg/L	125	B4A0204	ACC	01/02/2024	01/02/2024	
Sulfate	238	31.2	"	"	"	ACC	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	752	5.00	"	1	B4A0219	KRM	01/02/2024	01/03/2024	
------------------------	-----	------	---	---	---------	-----	------------	------------	--

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
Batch B4A0204 - Filter .45um non acidified										
Blank (B4A0204-BLK1)					Prepared: 01/02/2024 Analyzed: 01/02/2024					
Chloride	ND	0.250	mg/L							
Sulfate	ND	0.250	"							
LCS (B4A0204-BS1)					Prepared: 01/02/2024 Analyzed: 01/02/2024					
Chloride	3.93	0.250	mg/L	4.00		98.3	90-110			
Sulfate	3.91	0.250	"	4.00		97.6	90-110			
Matrix Spike (B4A0204-MS1)					Source: Y312763-02		Prepared: 01/02/2024 Analyzed: 01/04/2024			
Chloride	708		mg/L	500	224	96.9	90-110			
Sulfate	539		"	500	58.0	96.3	90-110			
Matrix Spike Dup (B4A0204-MSD1)					Source: Y312763-02		Prepared: 01/02/2024 Analyzed: 01/04/2024			
Chloride	705		mg/L	500	224	96.2	90-110	0.481	5	
Sulfate	537		"	500	58.0	95.7	90-110	0.506	5	
Batch B4A0219 - NO PREP										
Blank (B4A0219-BLK1)					Prepared: 01/02/2024 Analyzed: 01/03/2024					
Total Dissolved Solids	ND	5.00	mg/L							
LCS (B4A0219-BS1)					Prepared: 01/02/2024 Analyzed: 01/03/2024					
Total Dissolved Solids	1030	5.00	mg/L	1030		99.6	90-110			
Duplicate (B4A0219-DUP1)					Source: Y312763-05		Prepared: 01/02/2024 Analyzed: 01/03/2024			
Total Dissolved Solids	860	5.00	mg/L		852			0.935	10	

Origins Laboratory, Inc.



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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

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.



January 04, 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. December 29, 2023. This project is associated with Origins project number Y312777-01.

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	Y312777-01	Water	December 29, 2023 10:35	12/29/2023 13:20
MW-02	Y312777-02	Water	December 29, 2023 10:45	12/29/2023 13:20
MW-03	Y312777-03	Water	December 29, 2023 10:55	12/29/2023 13:20
MW-04	Y312777-04	Water	December 29, 2023 11:05	12/29/2023 13:20
MW-05	Y312777-05	Water	December 29, 2023 11:15	12/29/2023 13:20

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

ORIGINS
LABORATORY, INC

www.originslaboratory.com

page | of

Client: Eagle Environmental Consulting
Address: 8000 W 44th Ave
Wheat Ridge, CO 80033
Telephone Number: 303-433-0744
Email Address: Andrew@Eagle-Enviro.com

Project Manager: Andrew Newberry
Project Name: McBain (BainBridge) #1
Project Number:
Samples Collected By: SK

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis		Sample Instructions		
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #	Other	1-Methoxyphenol		2-Methoxyphenol	8-CP SIM
ML-01	12/18/13	1035	3		X				X					1	MBs Needed
ML-02		1045	1											2	
ML-03		1055	1											3	
ML-04		1105	1											4	
ML-05		1115	1											5	
														6	
														7	
														8	
														9	
														10	

Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Turnaround Time:
Andrew Newberry	12/18/13	1320	SK	12/19/13	1320	Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input checked="" type="checkbox"/> Standard

Date Results Needed: 12/19/13

Temp Received: 7

AB11 to Dan

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

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: B12777 Client: Eagle
Client Project ID: McBain (BainBridge)

Checklist Completed by: TSN/LSH Shipped Via: HL
Date/time completed: 12/29/23 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
Airbill #: N/A

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

Cooler Number/Temperature: 1 7 °C 1 °C 1 °C (Describe) 1 °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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<u>20</u>
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		<input checked="" type="checkbox"/>		
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH < 2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH > 10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input checked="" type="checkbox"/>			<u>NC</u>
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: JB (Project Manager) Date/Time Reviewed: 1-2-24

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

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

MW-01

12/29/2023 10:35:00AM

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

Origins Laboratory, Inc. Y312777-01 (Water)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.200	ug/L	1	B4A0218	agile	01/02/2024	01/02/2024	U
2-Methylnaphthalene	ND	0.200	"	"	"	agile	"	"	U

Surrogate: Fluorene-d10	95.8 %	60-130			"	"	"
Surrogate: Anthracene-d10	88.9 %	60-130			"	"	"
Surrogate: Benzo (a) pyrene-d12	103 %	60-130			"	"	"
Surrogate: Pyrene-d10	110 %	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

12/29/2023 10:45:00AM

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

Origins Laboratory, Inc. Y312777-02 (Water)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.200	ug/L	1	B4A0218	agile	01/02/2024	01/02/2024	U
2-Methylnaphthalene	ND	0.200	"	"	"	agile	"	"	U

Surrogate: Fluorene-d10	93.3 %	60-130			"	"	"
Surrogate: Anthracene-d10	88.9 %	60-130			"	"	"
Surrogate: Benzo (a) pyrene-d12	99.9 %	60-130			"	"	"
Surrogate: Pyrene-d10	110 %	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

12/29/2023 10:55:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y312777-03 (Water)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.200	ug/L	1	B4A0218	agile	01/02/2024	01/02/2024	U
2-Methylnaphthalene	ND	0.200	"	"	"	agile	"	"	U

Surrogate: Fluorene-d10	92.0 %	60-130			"	"	"
Surrogate: Anthracene-d10	90.2 %	60-130			"	"	"
Surrogate: Benzo (a) pyrene-d12	97.9 %	60-130			"	"	"
Surrogate: Pyrene-d10	115 %	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

12/29/2023 11:05:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y312777-04 (Water)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.200	ug/L	1	B4A0218	agile	01/02/2024	01/02/2024	U
2-Methylnaphthalene	ND	0.200	"	"	"	agile	"	"	U

Surrogate: Fluorene-d10	88.7 %	60-130			"	"	"
Surrogate: Anthracene-d10	89.3 %	60-130			"	"	"
Surrogate: Benzo (a) pyrene-d12	98.5 %	60-130			"	"	"
Surrogate: Pyrene-d10	106 %	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

12/29/2023 11:15:00AM

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

Origins Laboratory, Inc. Y312777-05 (Water)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.200	ug/L	1	B4A0218	agile	01/02/2024	01/02/2024	U
2-Methylnaphthalene	ND	0.200	"	"	"	agile	"	"	U

Surrogate: Fluorene-d10	88.4 %	60-130			"	"	"
Surrogate: Anthracene-d10	81.3 %	60-130			"	"	"
Surrogate: Benzo (a) pyrene-d12	105 %	60-130			"	"	"
Surrogate: Pyrene-d10	113 %	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 B4A0218 - EPA 3510C_MS

Blank (B4A0218-BLK1)

Prepared: 01/02/2024 Analyzed: 01/02/2024

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	190		"	200		97.1	60-130			
Surrogate: Anthracene-d10	190		"	200		97.4	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		104	60-130			
Surrogate: Pyrene-d10	210		"	200		104	60-130			

LCS (B4A0218-BS1)

Prepared: 01/02/2024 Analyzed: 01/02/2024

1-Methylnaphthalene	21.3	0.200	ug/L	20.0		107	70-130			
2-Methylnaphthalene	21.1	0.200	"	20.0		105	70-130			
Acenaphthene	20.5	2.00	"	20.0		102	70-130			
Anthracene	16.5	2.00	"	20.0		82.5	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

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 B4A0218 - EPA 3510C_MS

LCS (B4A0218-BS1)

Prepared: 01/02/2024 Analyzed: 01/02/2024

Benzo (a) anthracene	19.7	0.500	ug/L	20.0		98.3	70-130			
Benzo (a) pyrene	18.6	2.00	"	20.0		92.8	70-130			
Benzo (b) fluoranthene	20.3	2.00	"	20.0		102	70-130			
Benzo (g,h,i) perylene	19.4	2.00	"	20.0		96.8	70-130			
Benzo (k) fluoranthene	17.4	2.00	"	20.0		86.9	70-130			
Chrysene	19.4	2.00	"	20.0		96.8	70-130			
Dibenz (a,h) anthracene	22.9	2.00	"	20.0		114	70-130			
Fluoranthene	21.1	2.00	"	20.0		106	70-130			
Fluorene	19.3	2.00	"	20.0		96.4	70-130			
Indeno (1,2,3-cd) pyrene	20.1	2.00	"	20.0		101	70-130			
Naphthalene	21.9	0.200	"	20.0		110	70-130			
Phenanthrene	18.6	2.00	"	20.0		93.1	70-130			
Pyrene	22.8	2.00	"	20.0		114	70-130			
Surrogate: Fluorene-d10	180		"	200		91.5	60-130			
Surrogate: Anthracene-d10	190		"	200		97.3	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		101	60-130			
Surrogate: Pyrene-d10	210		"	200		103	60-130			

LCS Dup (B4A0218-BSD1)

Prepared: 01/02/2024 Analyzed: 01/02/2024

1-Methylnaphthalene	20.6	0.200	ug/L	20.0		103	70-130	3.38	20	
2-Methylnaphthalene	20.5	0.200	"	20.0		103	70-130	2.77	20	
Acenaphthene	20.2	2.00	"	20.0		101	70-130	1.18	20	
Anthracene	16.6	2.00	"	20.0		82.8	70-130	0.326	20	
Benzo (a) anthracene	18.2	0.500	"	20.0		91.1	70-130	7.58	20	
Benzo (a) pyrene	18.7	2.00	"	20.0		93.5	70-130	0.787	20	
Benzo (b) fluoranthene	20.0	2.00	"	20.0		100	70-130	1.42	20	
Benzo (g,h,i) perylene	19.5	2.00	"	20.0		97.7	70-130	0.954	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
Batch B4A0218 - EPA 3510C_MS										
LCS Dup (B4A0218-BSD1)					Prepared: 01/02/2024 Analyzed: 01/02/2024					
Benzo (k) fluoranthene	18.2	2.00	ug/L	20.0		91.1	70-130	4.77	20	
Chrysene	19.1	2.00	"	20.0		95.6	70-130	1.32	20	
Dibenz (a,h) anthracene	22.9	2.00	"	20.0		114	70-130	0.0293	20	
Fluoranthene	20.8	2.00	"	20.0		104	70-130	1.43	20	
Fluorene	21.4	2.00	"	20.0		107	70-130	10.5	20	
Indeno (1,2,3-cd) pyrene	21.7	2.00	"	20.0		109	70-130	7.59	20	
Naphthalene	21.5	0.200	"	20.0		108	70-130	1.85	20	
Phenanthrene	18.4	2.00	"	20.0		92.2	70-130	1.04	20	
Pyrene	20.8	2.00	"	20.0		104	70-130	9.29	20	
Surrogate: Fluorene-d10	210		"	200		103	60-130			
Surrogate: Anthracene-d10	190		"	200		95.9	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		98.6	60-130			
Surrogate: Pyrene-d10	200		"	200		98.1	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.

Jen Pellegrini For Jordan A. Bynon, Project Manager



January 03, 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. December 29, 2023. This project is associated with Origins project number Y312778-01.

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	Y312778-01	Water	December 29, 2023 10:35	12/29/2023 13:20
MW-02	Y312778-02	Water	December 29, 2023 10:45	12/29/2023 13:20
MW-03	Y312778-03	Water	December 29, 2023 10:55	12/29/2023 13:20
MW-04	Y312778-04	Water	December 29, 2023 11:05	12/29/2023 13:20
MW-05	Y312778-05	Water	December 29, 2023 11:15	12/29/2023 13:20

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.

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

ORIGINS

LABORATORY, INC

www.originslab.com

427770

pat

Client: Ecologic Environmental Consulting

Address: 8000 W. 44th Ave

Wheat Ridge, CO 80033

Telephone Number: 303 433-0749

Email Address: alshewer@ecologic-enviro.com

Project Manager: Andrew Newberry

Project Name: McBain Quarry #1

Project Number: SL

Samples Collected By: SL

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis		Sample Instructions	
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa #	Other	Blank		Other
MW-01	12/29/13	1035	3		X				X				1	ANALYSIS
MW-02		1045	1										2	
MW-03		1055	1										3	
MW-04		1105	1										4	
MW-05		1115	1										5	
													6	
													7	
													8	
													9	
													10	

Relinquished By: <u>Sam Elin</u>	Date: <u>12/29/13</u>	Time: <u>1300</u>	Received By: <u>WJ</u>	Date: <u>12/29/13</u>	Time: <u>1300</u>	Tuna Round Time: <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input checked="" type="checkbox"/> 72 Hr
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Standard: <input checked="" type="checkbox"/>

Date Results Needed: 12/29/13

Origins Laboratory, Inc.

Jeff Pellgrini

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: 432778 Client: Eagle
Client Project ID: McBain (Bainbridge)

Checklist Completed by: JEP/ENS Shipped Via: HL
Date/time completed: 12/29/23 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
Airbill #: N/A

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

Cooler Number/Temperature: 1 / 7 °C ☐ °C ☐ °C (Describe) °C

Thermometer ID: T004

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

Date/Time Reviewed 1-2-24

Origins Laboratory, Inc.

Jen 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

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

MW-01

12/29/2023 10:35:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y312778-01 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3L2930	JSM	12/29/2023	12/29/2023	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	101 %	70-130	"	"	"
Surrogate: Toluene-d8	99.5 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	108 %	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

12/29/2023 10:45:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y312778-02 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3L2930	JSM	12/29/2023	12/29/2023	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	101 %	70-130	"	"	"
Surrogate: Toluene-d8	103 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	109 %	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

12/29/2023 10:55:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y312778-03 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3L2930	JSM	12/29/2023	12/29/2023	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	100 %	70-130	"	"	"
Surrogate: Toluene-d8	101 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	109 %	70-130	"	"	"

Origins Laboratory, Inc.



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

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

MW-04

12/29/2023 11:05:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y312778-04 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3L2930	JSM	12/29/2023	12/29/2023	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	99.5 %	70-130	"	"	"
Surrogate: Toluene-d8	103 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	108 %	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

12/29/2023 11:15:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y312778-05 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3L2930	JSM	12/29/2023	12/29/2023	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	102 %	70-130	"	"	"
Surrogate: Toluene-d8	103 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	105 %	70-130	"	"	"

Origins Laboratory, Inc.



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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 B3L2930 - EPA 5030B (Water)										
Blank (B3L2930-BLK1)					Prepared: 12/29/2023 Analyzed: 12/29/2023					
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	62		"	62.5		98.5	70-130			
Surrogate: Toluene-d8	64		"	62.5		103	70-130			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		104	70-130			

Origins Laboratory, Inc.



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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 B3L2930 - EPA 5030B (Water)										
LCS (B3L2930-BS1)					Prepared: 12/29/2023 Analyzed: 12/29/2023					
1,2,4-Trimethylbenzene	53.6	2.00	ug/L	50.0		107	70-130			
1,3,5-Trimethylbenzene	50.3	2.00	"	50.0		101	70-130			
Benzene	47.8	1.00	"	50.0		95.5	70-130			
Ethylbenzene	47.0	1.00	"	50.0		94.0	70-130			
m,p-Xylene	95.4	2.00	"	100		95.4	70-130			
Naphthalene	52.8	2.00	"	50.0		106	70-130			
o-Xylene	47.0	1.00	"	50.0		94.1	70-130			
Toluene	47.9	1.00	"	50.0		95.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		97.8	70-130			
Surrogate: Toluene-d8	63		"	62.5		101	70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	70-130			

Origins Laboratory, Inc.



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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
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Batch B3L2930 - EPA 5030B (Water)

Matrix Spike (B3L2930-MS1)		Source: Y312778-01			Prepared: 12/29/2023 Analyzed: 12/29/2023					
1,2,4-Trimethylbenzene	54.6	2.00	ug/L	50.0	ND	109	70-130			
1,3,5-Trimethylbenzene	50.8	2.00	"	50.0	ND	102	70-130			
Benzene	48.2	1.00	"	50.0	ND	96.5	70-130			
Ethylbenzene	47.3	1.00	"	50.0	ND	94.5	70-130			
m,p-Xylene	96.9	2.00	"	100	ND	96.9	70-130			
Naphthalene	50.8	2.00	"	50.0	0.570	101	70-130			
o-Xylene	47.4	1.00	"	50.0	ND	94.9	70-130			
Toluene	48.6	1.00	"	50.0	ND	97.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		97.0	70-130			
Surrogate: Toluene-d8	64		"	62.5		102	70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		103	70-130			

Origins Laboratory, Inc.



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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 B3L2930 - EPA 5030B (Water)										
Matrix Spike Dup (B3L2930-MSD1)	Source: Y312778-01				Prepared: 12/29/2023 Analyzed: 12/29/2023					
1,2,4-Trimethylbenzene	53.0	2.00	ug/L	50.0	ND	106	70-130	3.03	20	
1,3,5-Trimethylbenzene	49.4	2.00	"	50.0	ND	98.8	70-130	2.87	20	
Benzene	46.1	1.00	"	50.0	ND	92.1	70-130	4.62	20	
Ethylbenzene	46.0	1.00	"	50.0	ND	92.0	70-130	2.77	20	
m,p-Xylene	92.9	2.00	"	100	ND	92.9	70-130	4.26	20	
Naphthalene	54.0	2.00	"	50.0	0.570	107	70-130	6.10	20	
o-Xylene	46.6	1.00	"	50.0	ND	93.3	70-130	1.72	20	
Toluene	46.8	1.00	"	50.0	ND	93.5	70-130	3.90	20	
Surrogate: 1,2-Dichloroethane-d4	59		"	62.5		95.0	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		103	70-130			

Origins Laboratory, Inc.



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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.

Jen Pellegrini For Jordan A. Bynon, Project Manager