



March 27, 2024

Eagle Environmental Consulting, LLC

Andrew Newberry

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - HSR - Abramson #5-23 Project Number - [none]

Attached are your analytical results for Noble - HSR - Abramson #5-23 received by Origins Laboratory, Inc. March 18, 2024. This project is associated with Origins project number Y403471-01.

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 - HSR - Abramson #5-23

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01	Y403471-01	Water	March 18, 2024 11:35	03/18/2024 16:12
MW-02	Y403471-02	Water	March 18, 2024 11:45	03/18/2024 16:12
MW-03	Y403471-03	Water	March 18, 2024 12:00	03/18/2024 16:12
MW-04	Y403471-04	Water	March 18, 2024 12:10	03/18/2024 16:12
MW-05	Y403471-05	Water	March 18, 2024 12:20	03/18/2024 16:12

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.

ORIGINS LABORATORY, INC

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

Andrew Newberry
Project Number: [none]
Project: Noble - HSR - Abramson #5-23

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

Sample Receipt Checklist

Origins Work Order: Y403471 Client: Eagle
Client Project ID: Noble - HSR - Abramson #5
Checklist Completed by: SK/JP Shipped Via: HD
Date/time completed: 3/18/24 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
Airbill #: N/A
Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____ (Describe)
Cooler Number/Temperature: 1 / 10.9 °C _____ °C _____ °C _____ °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"/>	<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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTS due within 48 hours present ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<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 ⁽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"/>	<input type="checkbox"/>	<input 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 (Project Manager) [Signature]

Date/Time Reviewed 3/20/24

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 - HSR - Abramson #5-23

MW-01

3/18/2024 11:35:00AM

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

Origins Laboratory, Inc.
Y403471-01 (Water)

Anions by IC 300.0

Chloride	413	31.2	mg/L	125	B4C1907	DLT	03/19/2024	03/19/2024	
Sulfate	672	31.2	"	"	"	DLT	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	2330	5.00	"	1	B4C2011	KRM	03/20/2024	03/21/2024	
------------------------	------	------	---	---	---------	-----	------------	------------	--

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 - HSR - Abramson #5-23

MW-02

3/18/2024 11:45:00AM

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

**Origins Laboratory, Inc.
Y403471-02 (Water)**

Anions by IC 300.0

Chloride	209	31.2	mg/L	125	B4C1907	DLT	03/19/2024	03/19/2024	
Sulfate	406	31.2	"	"	"	DLT	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	1970	5.00	"	1	B4C2011	KRM	03/20/2024	03/21/2024	
------------------------	------	------	---	---	---------	-----	------------	------------	--

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 - HSR - Abramson #5-23

MW-03

3/18/2024 12:00:00PM

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

**Origins Laboratory, Inc.
Y403471-03 (Water)**

Anions by IC 300.0

Chloride	295	31.2	mg/L	125	B4C1907	DLT	03/19/2024	03/19/2024	
Sulfate	526	31.2	"	"	"	DLT	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	1730	5.00	"	1	B4C2011	KRM	03/20/2024	03/21/2024	
------------------------	------	------	---	---	---------	-----	------------	------------	--

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 - HSR - Abramson #5-23

MW-04

3/18/2024 12:10:00PM

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

Origins Laboratory, Inc.
Y403471-04 (Water)

Anions by IC 300.0

Chloride	349	31.2	mg/L	125	B4C1907	DLT	03/19/2024	03/19/2024	
Sulfate	548	31.2	"	"	"	DLT	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	1900	5.00	"	1	B4C2011	KRM	03/20/2024	03/21/2024	
------------------------	------	------	---	---	---------	-----	------------	------------	--

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 - HSR - Abramson #5-23

MW-05

3/18/2024 12:20:00PM

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

**Origins Laboratory, Inc.
 Y403471-05 (Water)**

Anions by IC 300.0

Chloride	423	31.2	mg/L	125	B4C1907	DLT	03/19/2024	03/19/2024	
Sulfate	739	31.2	"	"	"	DLT	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	2300	5.00	"	1	B4C2011	KRM	03/20/2024	03/21/2024	
------------------------	------	------	---	---	---------	-----	------------	------------	--

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 - HSR - Abramson #5-23

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 B4C1907 - Filter .45um non acidified

Blank (B4C1907-BLK1)

Prepared: 03/19/2024 Analyzed: 03/20/2024

Chloride	ND	0.250	mg/L							
Sulfate	ND	0.250	"							

LCS (B4C1907-BS1)

Prepared: 03/19/2024 Analyzed: 03/19/2024

Chloride	3.83	0.250	mg/L	4.00		95.6	90-110			
Sulfate	3.68	0.250	"	4.00		92.1	90-110			

Matrix Spike (B4C1907-MS1)

Source: Y403476-01

Prepared: 03/19/2024 Analyzed: 03/19/2024

Chloride	642		mg/L	500	138	101	90-110			
Sulfate	5000		"	500	4150	168	90-110			QM-07

Matrix Spike Dup (B4C1907-MSD1)

Source: Y403476-01

Prepared: 03/19/2024 Analyzed: 03/19/2024

Chloride	645		mg/L	500	138	101	90-110	0.433	5	
Sulfate	5010		"	500	4150	172	90-110	0.351	5	QM-07

Batch B4C2011 - NO PREP

Blank (B4C2011-BLK1)

Prepared: 03/20/2024 Analyzed: 03/21/2024

Total Dissolved Solids	ND	5.00	mg/L							
------------------------	----	------	------	--	--	--	--	--	--	--

LCS (B4C2011-BS1)

Prepared: 03/20/2024 Analyzed: 03/21/2024

Total Dissolved Solids	984	5.00	mg/L	1030		95.5	90-110			
------------------------	-----	------	------	------	--	------	--------	--	--	--

Duplicate (B4C2011-DUP1)

Source: Y403471-01

Prepared: 03/20/2024 Analyzed: 03/21/2024

Total Dissolved Solids	2310	5.00	mg/L		2330			0.517	10	
------------------------	------	------	------	--	------	--	--	-------	----	--

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 For Jen Pellegrini, Project Manager

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

Andrew Newberry
Project Number: [none]
Project: Noble - HSR - Abramson #5-23

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.