



June 13, 2024

Eagle Environmental Consulting, LLC

Andrew Newberry

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Reichert #9-5

Project Number - [none]

Attached are your analytical results for Noble - Reichert #9-5 received by Origins Laboratory, Inc. May 17, 2024. This project is associated with Origins project number Y405584-01.

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 - Reichert #9-5

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL01R-W@4'	Y405584-01	Soil	May 17, 2024 12:43	05/17/2024 17:52
FL02R-S@4'	Y405584-02	Soil	May 17, 2024 13:07	05/17/2024 17:52
Background-01@2'	Y405584-03	Soil	May 17, 2024 12:49	05/17/2024 17:52
Background-02@2'	Y405584-04	Soil	May 17, 2024 13:13	05/17/2024 17:52

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 - Reichert #9-5

ORIGINS

LABORATORY, LLC

PROJECT INDEX ORDER #
440574

Page 1 of 1

1728 Elk Place Denver, Co. 80231 | # 303.443.1322 | originslab.com |

Temp Received: Yes No

Received On Ice? Yes No

#	Sample ID	Date	Time	# of Containers	Matrix	Preservative	Analysis	Comments
1	EDM-SOIL	1/14/25	14:30	3	S	AMP	GC-9050A SMT-COM PH-SYNDS COP-246A MUC-ON METALS-CO-3.0	GC-SM-1/14/25
2	EDM-SOIL	1/14/25	15:01	5	S	AMP	SMT-COM PH-SYNDS COP-246A MUC-ON METALS-CO-3.0	GC-SM-1/14/25
3	EDM-SOIL	1/14/25	15:01	5	S	AMP	SMT-COM PH-SYNDS COP-246A MUC-ON METALS-CO-3.0	GC-SM-1/14/25
4	EDM-SOIL	1/14/25	15:01	5	S	AMP	SMT-COM PH-SYNDS COP-246A MUC-ON METALS-CO-3.0	GC-SM-1/14/25
5	EDM-SOIL	1/14/25	15:01	5	S	AMP	SMT-COM PH-SYNDS COP-246A MUC-ON METALS-CO-3.0	GC-SM-1/14/25
6								
7								
8								
9								
10								

Relinquished By: [Signature] Date: 1/14/25 Time: 1:50

Received By: [Signature] Date: 1/14/25 Time: 1:52

Relinquished By: [Signature] Date: 1/14/25 Time: 1:50

Received By: [Signature] Date: 1/14/25 Time: 1:52

Client: Andrew Newberry

Address: 8000 W 44th Ave

Project Manager: Andrew Newberry

Project Name: Noble - Reichert #9-5

Telephone Number: 303.443.1322

Project Number: 440574

Key: W=Water GW=Groundwater SW=Surface Water WW=Waste Water

Email Address: andrew@originslab.com

Collected By: [Signature]

Invoice Billing Info: 1728 Elk Place

L=Liquid

Origins Laboratory, Inc.

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ORIGINS LABORATORY, INC

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

Andrew Newberry
Project Number: [none]
Project: Noble - Reichert #9-5

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

Sample Receipt Checklist

Origins Work Order: 4405584 Client: Eagle
Client Project ID: Reichert #9-5


Checklist Completed by: UJH/END Shipped Via: TUP
Date/time completed: 5/20/24 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
Airbill #: N/A

Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____
Cooler Number/Temperature: 1 45 °C _____ °C _____ °C (Describe) _____ °C
Thermometer ID: 7005

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?	<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 ⁽¹⁾ ?	<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 subcontracted analyses in order to insure sample integrity) (pH <2 for samples preserved with HNO3, HCL, H2SO4) / (pH >10 for samples preserved with NaOH, 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) UJH Date/Time Reviewed 5/20/24

Origins Laboratory, Inc.


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Jordan A. Bynon, Project Manager



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Reichert #9-5

FL01R-W@4'
5/17/2024 12:43:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405584-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.347		0.0998	mg/L	1	B4E2109	05/21/2024	05/22/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4E2201	05/22/2024	05/24/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl 85.7% 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4E2103	05/21/2024	05/21/2024	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Naphthalene	ND		0.00380	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

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Jordan A. Bynon, Project Manager

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5/17/2024 12:43:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405584-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	104 %		70-130			B4E21 03	05/21/2024	05/21/2024	
Surrogate: Toluene-d8	98.9 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	113 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.67		0.499	meq/L	10	[CALC]	05/22/2024	05/23/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	2.60		0.435	"	"	"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	0.005		0.002	mg/kg	1	B4E2033	05/20/2024	05/21/2024	
2-Methylnaphthalene	0.005		0.002	"	"	"	"	"	
Acenaphthene	ND		0.020	"	"	"	"	"	Ua
Anthracene	ND		0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Chrysene	ND		0.020	"	"	"	"	"	Ua
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	Ua
Fluoranthene	ND		0.020	"	"	"	"	"	Ua

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FL01R-W@4'
5/17/2024 12:43:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405584-01 (Soil)

PAH by EPA 8270E

Fluorene	ND		0.020	mg/kg	1	B4E2033	05/20/2024	05/21/2024	Ua
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	97.7 %		60-130			"	"	"	
Surrogate: Anthracene-d10	96.0 %		60-130			"	"	"	
Surrogate: Pyrene-d10	98.4 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	98.6 %		60-130			"	"	"	

pH in Soil by 9045D

pH	8.51			pH Units	1	B4E2227	05/22/2024	05/23/2024	
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SAR by 20B Saturated Paste


SAR	2.46		0.0100	SAR	1	B4E2216	05/22/2024	05/23/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.584		0.00500	mmhos/cm	1	B4E2227	05/22/2024	05/23/2024	
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Table 915 metals by EPA 6020B

Arsenic	3.05		0.244	mg/kg	10	B4E2030	05/20/2024	05/21/2024	
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 Project Number: [none]
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FL01R-W@4'

5/17/2024 12:43:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y405584-01 (Soil)

Table 915 metals by EPA 6020B

Barium	80.6		8.42	mg/kg	10	B4E2030	05/20/2024	05/21/2024	
Cadmium	0.577		0.0842	"	"	"	"	"	"
Copper	22.8		8.42	"	"	"	"	"	"
Lead	295		0.842	"	"	"	"	"	"
Nickel	7.31		0.842	"	"	"	"	"	"
Selenium	0.228		0.219	"	"	"	"	"	"
Silver	ND		0.0842	"	"	"	"	"	"
Zinc	160		31.2	"	"	"	"	"	"

Total Metals by 7196A

Hexavalent Chromium	ND	0.101	0.252	mg/kg dry	1	2620890	06/05/2024	06/06/2024	U
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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - Reichert #9-5

FL02R-S@4'

5/17/2024 1:07:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405584-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.268		0.0982	mg/L	1	B4E2109	05/21/2024	05/22/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4E2201	05/22/2024	05/24/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl 84.8% 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4E2103	05/21/2024	05/21/2024	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Naphthalene	ND		0.00380	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

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 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - Reichert #9-5

FL02R-S@4'

5/17/2024 1:07:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405584-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	109 %		70-130			B4E21 03	05/21/2024	05/21/2024	
Surrogate: Toluene-d8	96.2 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	110 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.38		0.499	meq/L	10	[CALC]	05/22/2024	05/23/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	1.05		0.435	"	"	"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND		0.002	mg/kg	1	B4E2033	05/20/2024	05/21/2024	Ua
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	Ua
Acenaphthene	ND		0.020	"	"	"	"	"	Ua
Anthracene	ND		0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Chrysene	ND		0.020	"	"	"	"	"	Ua
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	Ua

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 Project: Noble - Reichert #9-5

FL02R-S@4'

5/17/2024 1:07:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405584-02 (Soil)

PAH by EPA 8270E

Fluoranthene	ND		0.020	mg/kg	1	B4E2033	05/20/2024	05/21/2024	Ua
Fluorene	ND		0.020	"	"	"	"	"	Ua
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	96.2 %		60-130						
Surrogate: Anthracene-d10	95.1 %		60-130						
Surrogate: Pyrene-d10	108 %		60-130						
Surrogate: Benzo (a) pyrene-d12	104 %		60-130						

pH in Soil by 9045D

pH	8.37			pH Units	1	B4E2227	05/22/2024	05/23/2024	
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SAR by 20B Saturated Paste

SAR	1.10		0.0100	SAR	1	B4E2216	05/22/2024	05/23/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.358		0.00500	mmhos/cm	1	B4E2227	05/22/2024	05/23/2024	
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Table 915 metals by EPA 6020B

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 Project Number: [none]
 Project: Noble - Reichert #9-5

FL02R-S@4'
5/17/2024 1:07:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405584-02 (Soil)

Table 915 metals by EPA 6020B

Arsenic	3.33		0.289	mg/kg	10	B4E2030	05/20/2024	05/21/2024	
Barium	92.4		9.98	"	"	"	"	"	"
Cadmium	0.157		0.0998	"	"	"	"	"	"
Copper	ND		9.98	"	"	"	"	"	"
Lead	7.81		0.998	"	"	"	"	"	"
Nickel	7.36		0.998	"	"	"	"	"	"
Selenium	ND		0.259	"	"	"	"	"	"
Silver	ND		0.0998	"	"	"	"	"	"
Zinc	ND		36.9	"	"	"	"	"	"

Total Metals by 7196A

Hexavalent Chromium	ND	0.143	0.359	mg/kg dry	1	2620890	06/05/2024	06/06/2024	U
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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - Reichert #9-5

Background-01@2'
5/17/2024 12:49:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405584-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.174		0.0993	mg/L	1	B4E2109	05/21/2024	05/22/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	1.64		0.499	meq/L	10	[CALC]	05/22/2024	05/23/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	1.39		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.53			pH Units	1	B4E2227	05/22/2024	05/23/2024	
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SAR by 20B Saturated Paste

SAR	1.34		0.0100	SAR	1	B4E2216	05/22/2024	05/23/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.410		0.00500	mmhos/cm	1	B4E2227	05/22/2024	05/23/2024	
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Table 915 metals by EPA 6020B

Arsenic	1.70		0.263	mg/kg	10	B4E2030	05/20/2024	05/21/2024	
Barium	43.5		9.06	"	"	"	"	"	
Cadmium	0.116		0.0906	"	"	"	"	"	
Copper	ND		9.06	"	"	"	"	"	

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Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Reichert #9-5

Background-01@2'
5/17/2024 12:49:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405584-03 (Soil)

Table 915 metals by EPA 6020B

Lead	12.8		0.906	mg/kg	10	B4E2030	05/20/2024	05/21/2024	
Nickel	3.71		0.906	"	"	"	"	"	"
Selenium	ND		0.236	"	"	"	"	"	"
Silver	ND		0.0906	"	"	"	"	"	"
Zinc	ND		33.5	"	"	"	"	"	"

Total Metals by 7196A

Hexavalent Chromium	ND	0.169	0.422	mg/kg dry	1	2620890	06/05/2024	06/06/2024	U
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Origins Laboratory, Inc.

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Jordan A. Bynon, Project Manager

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Reichert #9-5

Background-02@2'
5/17/2024 1:13:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405584-04 (Soil)

Boron (DTPA Sorbitol)

Boron	0.134		0.0984	mg/L	1	B4E2109	05/21/2024	05/22/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	1.13		0.499	meq/L	10	[CALC]	05/22/2024	05/23/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	1.15		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.49			pH Units	1	B4E2227	05/22/2024	05/23/2024	
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SAR by 20B Saturated Paste

SAR	1.36		0.0100	SAR	1	B4E2216	05/22/2024	05/23/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.322		0.00500	mmhos/cm	1	B4E2227	05/22/2024	05/23/2024	
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Table 915 metals by EPA 6020B

Arsenic	1.29		0.260	mg/kg	10	B4E2030	05/20/2024	05/21/2024	
Barium	35.1		8.97	"	"	"	"	"	
Cadmium	0.108		0.0897	"	"	"	"	"	
Copper	ND		8.97	"	"	"	"	"	

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 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - Reichert #9-5

Background-02@2'
5/17/2024 1:13:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405584-04 (Soil)

Table 915 metals by EPA 6020B

Lead	13.9		0.897	mg/kg	10	B4E2030	05/20/2024	05/21/2024	
Nickel	2.98		0.897	"	"	"	"	"	"
Selenium	ND		0.233	"	"	"	"	"	"
Silver	ND		0.0897	"	"	"	"	"	"
Zinc	ND		33.2	"	"	"	"	"	"

Total Metals by 7196A

Hexavalent Chromium	ND	0.149	0.372	mg/kg dry	1	2620890	06/05/2024	06/06/2024	U
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Andrew Newberry
 Project Number: [none]
 Project: Noble - Reichert #9-5

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 B4E2103 - EPA 5030 (soil)

Blank (B4E2103-BLK1)

Prepared: 05/21/2024 Analyzed: 05/21/2024

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							Ua
1,3,5-Trimethylbenzene	ND	0.00200	"							Ua
Benzene	ND	0.00200	"							Ua
Ethylbenzene	ND	0.00200	"							Ua
Naphthalene	ND	0.00380	"							Ua
Toluene	ND	0.00200	"							Ua
Xylenes, total	ND	0.00200	"							Ua
Gasoline Range Hydrocarbons	ND	0.200	"							Ua
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		96.6	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		108	70-130			

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Jordan A. Bynon, Project Manager



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 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - Reichert #9-5

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 B4E2103 - EPA 5030 (soil)

LCS (B4E2103-BS1)

Prepared: 05/21/2024 Analyzed: 05/21/2024

1,2,4-Trimethylbenzene	0.0971	0.00200	mg/kg	0.100		97.1	70-130			
1,3,5-Trimethylbenzene	0.0993	0.00200	"	0.100		99.3	70-130			
Benzene	0.0969	0.00200	"	0.100		96.9	70-130			
Ethylbenzene	0.0935	0.00200	"	0.100		93.5	70-130			
Naphthalene	0.111	0.00380	"	0.100		111	70-130			
Toluene	0.0944	0.00200	"	0.100		94.4	70-130			
o-Xylene	0.0927	0.00200	"	0.100		92.7	70-130			
m,p-Xylene	0.189	0.00400	"	0.200		94.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		95.7	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.1	70-130			

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Jordan A. Bynon, Project Manager



Eagle Environmental Consulting, LLC
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 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - Reichert #9-5

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 B4E2103 - EPA 5030 (soil)

Matrix Spike (B4E2103-MS1)

Source: Y405584-01

Prepared: 05/21/2024 Analyzed: 05/21/2024

1,2,4-Trimethylbenzene	0.0706	0.00200	mg/kg	0.100	ND	70.6	70-130			
1,3,5-Trimethylbenzene	0.0717	0.00200	"	0.100	ND	71.7	70-130			
Benzene	0.0803	0.00200	"	0.100	ND	80.3	70-130			
Ethylbenzene	0.0748	0.00200	"	0.100	ND	74.8	70-130			
Naphthalene	0.0732	0.00380	"	0.100	ND	73.2	70-130			
Toluene	0.0749	0.00200	"	0.100	ND	74.9	70-130			
o-Xylene	0.0760	0.00200	"	0.100	ND	76.0	70-130			
m,p-Xylene	0.151	0.00400	"	0.200	ND	75.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		102	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

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Jordan A. Bynon, Project Manager



Eagle Environmental Consulting, LLC
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Andrew Newberry
 Project Number: [none]
 Project: Noble - Reichert #9-5

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 B4E2103 - EPA 5030 (soil)

Matrix Spike Dup (B4E2103-MSD1)

Source: Y405584-01

Prepared: 05/21/2024 Analyzed: 05/23/2024

1,2,4-Trimethylbenzene	0.0525	0.00200	mg/kg	0.100	ND	52.5	70-130	29.4	20	QM-07
1,3,5-Trimethylbenzene	0.0580	0.00200	"	0.100	ND	58.0	70-130	21.2	20	QM-07
Benzene	0.0774	0.00200	"	0.100	ND	77.4	70-130	3.73	20	
Ethylbenzene	0.0644	0.00200	"	0.100	ND	64.4	70-130	14.9	20	QM-07
Naphthalene	0.0691	0.00380	"	0.100	ND	69.1	70-130	5.74	20	QM-07
Toluene	0.0733	0.00200	"	0.100	ND	73.3	70-130	2.13	20	
o-Xylene	0.0672	0.00200	"	0.100	ND	67.2	70-130	12.3	20	QM-07
m,p-Xylene	0.126	0.00400	"	0.200	ND	63.0	70-130	18.1	20	QM-07
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		104	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		106	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

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Jordan A. Bynon, Project Manager



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Andrew Newberry
 Project Number: [none]
 Project: Noble - Reichert #9-5

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 B4E2201 - EPA 3550B

Blank (B4E2201-BLK1)

Prepared: 05/22/2024 Analyzed: 05/24/2024

Diesel (C10-C28)	ND	25.0	mg/kg							Ua
Residual Range Organics (C28-C40)	ND	100	"							Ua
Surrogate: o-Terphenyl	23		"	24.9		91.2	50-150			

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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
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Andrew Newberry
 Project Number: [none]
 Project: Noble - Reichert #9-5

Extractable Petroleum Hydrocarbons by 8015D - 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 B4E2201 - EPA 3550B

LCS (B4E2201-BS1)

Prepared: 05/22/2024 Analyzed: 05/24/2024

Diesel (C10-C28)	858	50.0	mg/kg	1000		85.8	70-130			
Residual Range Organics (C28-C40)	930	200	"	1000		93.0	70-130			
Surrogate: o-Terphenyl	53		"	49.8		106	50-150			

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Reichert #9-5

Extractable Petroleum Hydrocarbons by 8015D - 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 B4E2201 - EPA 3550B

Matrix Spike (B4E2201-MS1)

Source: Y405583-01

Prepared: 05/22/2024 Analyzed: 05/24/2024

Diesel (C10-C28)	925	50.0	mg/kg	1000	ND	92.5	70-130			
Residual Range Organics (C28-C40)	1010	200	"	1000	ND	101	70-130			
Surrogate: o-Terphenyl	53		"	49.8		107	50-150			

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Jordan A. Bynon, Project Manager



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Reichert #9-5

Extractable Petroleum Hydrocarbons by 8015D - 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 B4E2201 - EPA 3550B

Matrix Spike Dup (B4E2201-MSD1)

Source: Y405583-01

Prepared: 05/22/2024 Analyzed: 05/24/2024

Diesel (C10-C28)	890	50.0	mg/kg	1000	ND	89.0	70-130	3.87	35	
Residual Range Organics (C28-C40)	972	200	"	1000	ND	97.2	70-130	3.39	35	
Surrogate: o-Terphenyl	50		"	49.8		101	50-150			

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Jordan A. Bynon, Project Manager



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Reichert #9-5

Extractable Petroleum Hydrocarbons by 8015D - 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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Metals by EPA 6000/7000 Series Methods - 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 B4E2030 - EPA 3050B

Blank (B4E2030-BLK1)

Prepared: 05/20/2024 Analyzed: 05/21/2024

Arsenic	ND	0.290	mg/kg							
Barium	ND	10.0	"							
Cadmium	ND	0.100	"							
Copper	ND	10.0	"							
Lead	ND	1.00	"							
Nickel	ND	1.00	"							
Selenium	ND	0.260	"							
Silver	ND	0.100	"							
Zinc	ND	37.0	"							

LCS (B4E2030-BS1)

Prepared: 05/20/2024 Analyzed: 05/21/2024

Arsenic	5.71	0.290	mg/kg	5.00	114	80-120				
Barium	578	10.0	"	500	116	80-120				
Cadmium	5.63	0.100	"	5.00	113	80-120				
Copper	55.1	10.0	"	50.0	110	80-120				
Lead	5.48	1.00	"	5.00	110	80-120				
Nickel	4.90	1.00	"	5.00	98.1	80-120				
Selenium	10.9	0.260	"	9.50	115	80-120				
Silver	5.41	0.100	"	5.00	108	80-120				
Zinc	55.8	37.0	"	50.0	112	80-120				

Matrix Spike (B4E2030-MS1)

Source: Y405583-01

Prepared: 05/20/2024 Analyzed: 05/21/2024

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Jordan A. Bynon, Project Manager



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 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - Reichert #9-5

Metals by EPA 6000/7000 Series Methods - 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 B4E2030 - EPA 3050B

Matrix Spike (B4E2030-MS1)

Source: Y405583-01

Prepared: 05/20/2024 Analyzed: 05/21/2024

Arsenic	8.41	0.285	mg/kg	4.91	3.15	107	75-125			
Barium	669	9.82	"	491	81.1	120	75-125			
Cadmium	5.53	0.0982	"	4.91	0.196	109	75-125			
Copper	62.5	9.82	"	49.1	8.76	110	75-125			
Lead	15.1	0.982	"	4.91	9.87	107	75-125			
Nickel	12.0	0.982	"	4.91	7.43	93.5	75-125			
Selenium	10.4	0.255	"	9.33	0.321	108	75-125			
Silver	5.26	0.0982	"	4.91	0.0325	106	75-125			
Zinc	89.8	36.3	"	49.1	39.6	102	75-125			

Matrix Spike Dup (B4E2030-MSD1)

Source: Y405583-01

Prepared: 05/20/2024 Analyzed: 05/21/2024

Arsenic	7.65	0.262	mg/kg	4.52	3.15	99.6	75-125	9.48	20	
Barium	629	9.04	"	452	81.1	121	75-125	6.21	20	
Cadmium	5.05	0.0904	"	4.52	0.196	107	75-125	9.12	20	
Copper	55.3	9.04	"	45.2	8.76	103	75-125	12.3	20	
Lead	14.0	0.904	"	4.52	9.87	91.8	75-125	7.69	20	
Nickel	11.7	0.904	"	4.52	7.43	93.6	75-125	3.03	20	
Selenium	9.34	0.235	"	8.58	0.321	105	75-125	10.4	20	
Silver	4.72	0.0904	"	4.52	0.0325	104	75-125	10.7	20	
Zinc	84.4	33.4	"	45.2	39.6	99.2	75-125	6.24	20	

Origins Laboratory, Inc.

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Jordan A. Bynon, Project Manager



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Reichert #9-5

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4E2033 - EPA 3580

Blank (B4E2033-BLK1)

Prepared: 05/20/2024 Analyzed: 05/21/2024

1-Methylnaphthalene	ND	0.002	mg/kg							Ua
2-Methylnaphthalene	ND	0.002	"							Ua
Acenaphthene	ND	0.020	"							Ua
Anthracene	ND	0.020	"							Ua
Benzo (a) anthracene	ND	0.005	"							Ua
Benzo (a) pyrene	ND	0.020	"							Ua
Benzo (b) fluoranthene	ND	0.020	"							Ua
Benzo (g,h,i) perylene	ND	0.020	"							Ua
Benzo (k) fluoranthene	ND	0.020	"							Ua
Chrysene	ND	0.020	"							Ua
Dibenz (a,h) anthracene	ND	0.020	"							Ua
Fluoranthene	ND	0.020	"							Ua
Fluorene	ND	0.020	"							Ua
Indeno (1,2,3-cd) pyrene	ND	0.020	"							Ua
Naphthalene	ND	0.002	"							Ua
Phenanthrene	ND	0.020	"							Ua
Pyrene	ND	0.020	"							Ua
Surrogate: Fluorene-d10	200		ug/kg	200		99.2	60-130			
Surrogate: Anthracene-d10	200		"	200		102	60-130			
Surrogate: Pyrene-d10	200		"	200		101	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		99.4	60-130			

LCS (B4E2033-BS1)

Prepared: 05/20/2024 Analyzed: 05/21/2024

1-Methylnaphthalene	0.207	0.002	mg/kg	0.200		104	70-130			
2-Methylnaphthalene	0.209	0.002	"	0.200		104	70-130			
Acenaphthene	0.210	0.020	"	0.200		105	70-130			
Anthracene	0.211	0.020	"	0.200		105	70-130			

Origins Laboratory, Inc.

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Jordan A. Bynon, Project Manager



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Reichert #9-5

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4E2033 - EPA 3580

LCS (B4E2033-BS1)

Prepared: 05/20/2024 Analyzed: 05/21/2024

Benzo (a) anthracene	0.221	0.005	mg/kg	0.200		111	70-130			
Benzo (a) pyrene	0.217	0.020	"	0.200		109	70-130			
Benzo (b) fluoranthene	0.223	0.020	"	0.200		111	70-130			
Benzo (g,h,i) perylene	0.214	0.020	"	0.200		107	70-130			
Benzo (k) fluoranthene	0.208	0.020	"	0.200		104	70-130			
Chrysene	0.214	0.020	"	0.200		107	70-130			
Dibenz (a,h) anthracene	0.221	0.020	"	0.200		110	70-130			
Fluoranthene	0.205	0.020	"	0.200		102	70-130			
Fluorene	0.214	0.020	"	0.200		107	70-130			
Indeno (1,2,3-cd) pyrene	0.218	0.020	"	0.200		109	70-130			
Naphthalene	0.209	0.002	"	0.200		104	70-130			
Phenanthrene	0.210	0.020	"	0.200		105	70-130			
Pyrene	0.210	0.020	"	0.200		105	70-130			
Surrogate: Fluorene-d10	210		ug/kg	200		107	60-130			
Surrogate: Anthracene-d10	200		"	200		99.2	60-130			
Surrogate: Pyrene-d10	200		"	200		98.5	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		101	60-130			

Matrix Spike (B4E2033-MS1)

Source: Y405567-01

Prepared: 05/20/2024 Analyzed: 05/21/2024

1-Methylnaphthalene	0.221	0.002	mg/kg	0.200	ND	111	70-130			
2-Methylnaphthalene	0.221	0.002	"	0.200	ND	110	70-130			
Acenaphthene	0.213	0.020	"	0.200	ND	107	70-130			
Anthracene	0.231	0.020	"	0.200	ND	115	70-130			
Benzo (a) anthracene	0.222	0.005	"	0.200	ND	111	70-130			
Benzo (a) pyrene	0.219	0.020	"	0.200	ND	110	70-130			
Benzo (b) fluoranthene	0.219	0.020	"	0.200	ND	110	70-130			
Benzo (g,h,i) perylene	0.204	0.020	"	0.200	0.0006	101	70-130			

Origins Laboratory, Inc.

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Jordan A. Bynon, Project Manager

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Reichert #9-5

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4E2033 - EPA 3580

Matrix Spike (B4E2033-MS1)

Source: Y405567-01

Prepared: 05/20/2024 Analyzed: 05/21/2024

Benzo (k) fluoranthene	0.189	0.020	mg/kg	0.200	0.0005	94.4	70-130			
Chrysene	0.221	0.020	"	0.200	ND	110	70-130			
Dibenz (a,h) anthracene	0.208	0.020	"	0.200	0.0009	104	70-130			
Fluoranthene	0.212	0.020	"	0.200	ND	106	70-130			
Fluorene	0.213	0.020	"	0.200	ND	107	70-130			
Indeno (1,2,3-cd) pyrene	0.206	0.020	"	0.200	ND	103	70-130			
Naphthalene	0.214	0.002	"	0.200	ND	107	70-130			
Phenanthrene	0.218	0.020	"	0.200	ND	109	70-130			
Pyrene	0.212	0.020	"	0.200	ND	106	70-130			

Surrogate: Fluorene-d10	200		ug/kg	200		97.6	60-130			
Surrogate: Anthracene-d10	200		"	200		99.1	60-130			
Surrogate: Pyrene-d10	190		"	200		95.0	60-130			
Surrogate: Benzo (a) pyrene-d12	190		"	200		97.4	60-130			

Matrix Spike Dup (B4E2033-MSD1)

Source: Y405567-01

Prepared: 05/20/2024 Analyzed: 05/21/2024

1-Methylnaphthalene	0.205	0.002	mg/kg	0.200	ND	103	70-130	7.66	20	
2-Methylnaphthalene	0.211	0.002	"	0.200	ND	106	70-130	4.41	20	
Acenaphthene	0.209	0.020	"	0.200	ND	105	70-130	1.85	20	
Anthracene	0.227	0.020	"	0.200	ND	113	70-130	1.77	20	
Benzo (a) anthracene	0.215	0.005	"	0.200	ND	108	70-130	2.95	20	
Benzo (a) pyrene	0.211	0.020	"	0.200	ND	105	70-130	3.93	20	
Benzo (b) fluoranthene	0.214	0.020	"	0.200	ND	107	70-130	2.35	20	
Benzo (g,h,i) perylene	0.197	0.020	"	0.200	0.0006	98.3	70-130	3.17	20	
Benzo (k) fluoranthene	0.174	0.020	"	0.200	0.0005	86.5	70-130	8.69	20	
Chrysene	0.200	0.020	"	0.200	ND	99.9	70-130	9.95	20	
Dibenz (a,h) anthracene	0.203	0.020	"	0.200	0.0009	101	70-130	2.34	20	
Fluoranthene	0.200	0.020	"	0.200	ND	99.9	70-130	5.93	20	

Origins Laboratory, Inc.



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Andrew Newberry
 Project Number: [none]
 Project: Noble - Reichert #9-5

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4E2033 - EPA 3580

Matrix Spike Dup (B4E2033-MSD1)

Source: Y405567-01

Prepared: 05/20/2024 Analyzed: 05/21/2024

Fluorene	0.206	0.020	mg/kg	0.200	ND	103	70-130	3.30	20	
Indeno (1,2,3-cd) pyrene	0.212	0.020	"	0.200	ND	106	70-130	3.10	20	
Naphthalene	0.208	0.002	"	0.200	ND	104	70-130	2.99	20	
Phenanthrene	0.205	0.020	"	0.200	ND	102	70-130	6.30	20	
Pyrene	0.207	0.020	"	0.200	ND	104	70-130	2.00	20	
Surrogate: Fluorene-d10	190		ug/kg	200		94.8	60-130			
Surrogate: Anthracene-d10	190		"	200		94.1	60-130			
Surrogate: Pyrene-d10	190		"	200		96.3	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		97.6	60-130			

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Jordan A. Bynon, Project Manager



Eagle Environmental Consulting, LLC
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 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - Reichert #9-5

Classical Chemistry Parameters - 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 B4E2109 - DTPA Sorbitol Preparation

Blank (B4E2109-BLK1)

Prepared: 05/21/2024 Analyzed: 05/22/2024

Boron ND 0.100 mg/L

Duplicate (B4E2109-DUP1)

Source: Y405584-01

Prepared: 05/21/2024 Analyzed: 05/22/2024

Boron 0.349 0.102 mg/L 0.347 0.785 50

Batch B4E2216 - Saturated Paste Metals

Blank (B4E2216-BLK1)

Prepared: 05/22/2024 Analyzed: 05/23/2024

SAR ND 0.0100 SAR

Calcium PPM ND 10.0 mg/L

Magnesium PPM ND 10.0 "

Sodium PPM ND 10.0 "

Duplicate (B4E2216-DUP1)

Source: Y405584-01

Prepared: 05/22/2024 Analyzed: 05/23/2024

Calcium PPM 31.1 10.0 mg/L 33.5 7.59 50

SAR ND 0.0100 SAR 2.46 200

Magnesium PPM 6.19 10.0 mg/L 6.79 9.24 50

Sodium PPM 56.4 10.0 " 59.7 5.72 50

Origins Laboratory, Inc.

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Jordan A. Bynon, Project Manager



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Reichert #9-5

Saturated Paste - 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 B4E2227 - Saturated Paste pH/EC

Blank (B4E2227-BLK1)

Prepared: 05/22/2024 Analyzed: 05/23/2024

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B4E2227-DUP1)

Source: Y405584-01

Prepared: 05/22/2024 Analyzed: 05/23/2024

Specific Conductance (EC) 0.576 0.00500 mmhos/cm 0.584 1.21 25

pH 8.35 pH Units 8.51 1.90 25

Origins Laboratory, Inc.

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Jordan A. Bynon, Project Manager



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Reichert #9-5

Total Metals by 7196A - Quality Control
GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2620890 - SW846 3060A

BLANK (1205751350-BLK)

Prepared: 06/05/2024 Analyzed: 06/06/2024

Hexavalent Chromium	ND	0.258	mg/kg							U
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LCS (1205751351-BKS)

Prepared: 06/05/2024 Analyzed: 06/06/2024

Hexavalent Chromium	3.05	0.302	mg/kg	3.02		101	80-120			
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DUP (1205751352 D)

Prepared: 06/05/2024 Analyzed: 06/06/2024

Hexavalent Chromium	0.144	0.329	mg/kg dry		0.181		0-50	22.6	50	J
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MS (1205751353 S)

Prepared: 06/05/2024 Analyzed: 06/06/2024

Hexavalent Chromium	2.58	0.329	mg/kg dry	3.29	0.181	73.2	75-125			
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DUP (1205751354 D)

Prepared: 06/05/2024 Analyzed: 06/06/2024

Hexavalent Chromium	ND	0.423	mg/kg dry		<0.169		0-50	N/A	50	U
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MS (1205751355 S)

Prepared: 06/05/2024 Analyzed: 06/06/2024

Hexavalent Chromium	2.62	0.423	mg/kg dry	4.23	<0.169	59.9	75-125			
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ILCS (1205751356-ILCS)

Prepared: 06/05/2024 Analyzed: 06/06/2024

Hexavalent Chromium	5.36	0.264	mg/kg	5.29		101	80-120			
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Jordan A. Bynon, Project Manager

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

Andrew Newberry
Project Number: [none]
Project: Noble - Reichert #9-5

Notes and Definitions

- Ua Sample is Non-Detect.
 - U Result not detected above the detection limit
 - QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
 - J Greater than the detection limit but less than the reporting limit
 - ND Analyte NOT DETECTED at or above the reporting limit
 - RPD Relative Percent Difference
- All soil results are reported on a wet weight basis.
Calculated results may use J-flag data (instead of reported "ND") as part of calculation to provide a more accurate result.

Origins Laboratory, Inc.



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