



Eagle Environmental Consulting, LLC  
Alfred Garraffa  
8000 W 44th Ave

December 11, 2024

Wheat Ridge CO 80033

Project Name - Noble - Sandau #34-12F

Project Number - [none]

Attached are your analytical results for Noble - Sandau #34-12F received by Origins Laboratory November 07, 2024. This project is associated with Origins project number E4K0239-01.

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  
303.433.1322  
projectmanager@originslab.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

Alfred Garraffa  
Project Number: [none]  
Project: Noble - Sandau #34-12F

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01	E4K0239-01	Water	November 7, 2024 11:45	11/07/2024 17:12
MW-02	E4K0239-02	Water	November 7, 2024 12:00	11/07/2024 17:12
MW-03	E4K0239-03	Water	November 7, 2024 12:15	11/07/2024 17:12
MW-04	E4K0239-04	Water	November 7, 2024 12:30	11/07/2024 17:12
MW-05	E4K0239-05	Water	November 7, 2024 12:45	11/07/2024 17:12

Origins Laboratory



Jen Pellegrini, Project Manager

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

Alfred Garraffa  
 Project Number: [none]  
 Project: Noble - Sandau #34-12F

Client: Eagle Environmental Consulting  
 Address: 8000 W 44th Ave  
 Telephone Number: 303-433-0179  
 Email Address: agarrffa@eagle-environment.com  
 Project Manager: Alfred Garraffa  
 Project Name: Sandau #34-12F  
 Project Number: ---  
 Collected By: IA  
 Invoice/Billing Info: Noble / Bill to Dan  
 S=Soil | SO=Soil | O=Oil | A=Air | G=Gas | U=Impress | HCL=Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH=Sodium Hydroxide  
 W=Water  
 GW=Groundwater  
 SW=Surface Water  
 LW=Liquid

#	Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix	Preservative	Analysis				Comments								
1	MW-01	11/12/14	1145	3	GLW	HCL	X												
2	MW-02		1200	1															
3	MW-03		1215	1															
4	MW-04		1230	1															
5	MW-05		1245	1															
6																			
7																			
8																			
9																			
10																			

Relinquished By: [Signature] Date: 11/17/14 Time: 1712  
 Received By: [Signature] Date: 11/17/14 Time: 1712  
 Temp Received: SW Received On Ice?  Yes  No  
 Turnaround Time:  SAME DAY  24 Hr  48 Hr  72 Hr  
 Standard

*Jefe Pellegrini*

Eagle Environmental Consulting, LLC  
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Alfred Garraffa  
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Origins Laboratory F-012207-01-R1  
Effective Date: 01/09/12

**Sample Receipt Checklist**

Origins Work Order: F4K0239 Client: Eagle  
 Checklist Completed by: JPD/KW Client Project ID: Sandau  
 Date/time completed: 11/17/12 Shipped Via: HD  
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
 Airbill #: N/A

Matrix(s) Received: (Check all that apply):  Soil/Solid  Water  Other: \_\_\_\_\_  
 Cooler Number/Temperature: 154 °C / \_\_\_\_\_ °C (Describe) \_\_\_\_\_ °C  
 Thermometer ID: 1007

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

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

Reviewed by (Project) Manager: [Signature] Date/Time Reviewed: 11/17/12

Origins Laboratory

*Jefe Pellegrini*

Jen Pellegrini, Project Manager

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**MW-01**

**11/7/2024 11:45:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, LLC.**  
**E4K0239-01 (Water)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.0073	0.02	µg/L	1	L784220	11/14/2024	11/17/2024	M
---------------------	----	--------	------	------	---	---------	------------	------------	---

Surrogate: 2-Fluorobiphenyl	79.2 %		70-130			"	"	"	
Surrogate: 4-Terphenyl-d14	71.3 %		70-130			"	"	"	

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**MW-02**

**11/7/2024 12:00:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, LLC.**  
**E4K0239-02 (Water)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.0073	0.02	µg/L	1	L784220	11/14/2024	11/17/2024	M
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Surrogate: 2-Fluorobiphenyl	87.1 %		70-130			"	"	"	
Surrogate: 4-Terphenyl-d14	71.3 %		70-130			"	"	"	

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**MW-03**

**11/7/2024 12:15:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, LLC.**  
**E4K0239-03 (Water)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.0073	0.02	µg/L	1	L784220	11/14/2024	11/17/2024	M
---------------------	----	--------	------	------	---	---------	------------	------------	---

Surrogate: 2-Fluorobiphenyl	87.1 %		70-130			"	"	"	
Surrogate: 4-Terphenyl-d14	73.9 %		70-130			"	"	"	

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**MW-04**

**11/7/2024 12:30:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, LLC.**  
**E4K0239-04 (Water)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.0073	0.02	µg/L	1	L784220	11/14/2024	11/17/2024	M
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Surrogate: 2-Fluorobiphenyl 77.2 %

Surrogate: 4-Terphenyl-d14 65 %

70-130

70-130

"

"

"

"

\*

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**MW-05**

**11/7/2024 12:45:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, LLC.**  
**E4K0239-05 (Water)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.0073	0.02	µg/L	1	L784220	11/14/2024	11/17/2024	M
---------------------	----	--------	------	------	---	---------	------------	------------	---

Surrogate: 2-Fluorobiphenyl	92.7 %		70-130			"	"	"	
Surrogate: 4-Terphenyl-d14	71 %		70-130			"	"	"	

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**PAH by 8270D SIM - Quality Control**  
**Waypoint Analytical, LLC.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch L784220 - 3511</b>										
<b>LCSD (LCSD-L784220)</b>					Prepared: 11/14/2024 Analyzed: 11/17/2024					
1-Methylnaphthalene	1.71	0.02	µg/L	3.03		56.4	60-140	0	20	*
Surrogate: 4-Terphenyl-d14	86.4		"	3.03		86.4	70-130			
Surrogate: 2-Fluorobiphenyl	73.2		"	3.03		73.2	70-130			
<b>LCS (LCS-L784220)</b>					Prepared: 11/14/2024 Analyzed: 11/17/2024					
1-Methylnaphthalene	1.71	0.02	µg/L	3.03		56.4	60-140			*
Surrogate: 4-Terphenyl-d14	79.8		"	3.03		79.8	70-130			
Surrogate: 2-Fluorobiphenyl	75.9		"	3.03		75.9	70-130			
<b>LRB (LRB-L784220)</b>					Prepared: 11/14/2024 Analyzed: 11/17/2024					
1-Methylnaphthalene	ND	0.02	µg/L				-			
Surrogate: 4-Terphenyl-d14	84.1		"	3.03		84.1	70-130			
Surrogate: 2-Fluorobiphenyl	89.4		"	3.03		89.4	70-130			

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**Notes and Definitions**

M Result reported represents a minimum value. Refer to Case Narrative.

\* QC Failure

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

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