



December 14, 2023

Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - Hudson 11-35A/Eichth O SA Project Number - [none]

Attached are your analytical results for KMG - Hudson 11-35A/Eichth O SA received by Origins Laboratory, Inc. December 04, 2023. This project is associated with Origins project number Y312067-01.

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

Dan Coloccia

Project Number: [none]

Project: KMG - Hudson 11-35A/Eichth O SA

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
AST-B01@3"	Y312067-01	Soil	December 4, 2023 12:18	12/04/2023 16:14
PW-B01@3'	Y312067-02	Soil	December 4, 2023 12:22	12/04/2023 16:14
PW-S01@2'	Y312067-03	Soil	December 4, 2023 12:24	12/04/2023 16:14
SEP-B01@4'	Y312067-04	Soil	December 4, 2023 12:28	12/04/2023 16:14
SEP-B02@4'	Y312067-05	Soil	December 4, 2023 12:30	12/04/2023 16:14
PW-BG01@3"	Y312067-06	Soil	December 4, 2023 12:46	12/04/2023 16:14
PW-BG02@3"	Y312067-07	Soil	December 4, 2023 12:48	12/04/2023 16:14
PW-BG03@3"	Y312067-08	Soil	December 4, 2023 12:50	12/04/2023 16:14
PW-BG04@3"	Y312067-09	Soil	December 4, 2023 12:52	12/04/2023 16:14
PW-BG01@3'	Y312067-10	Soil	December 4, 2023 13:20	12/04/2023 16:14
PW-BG01@6'	Y312067-11	Soil	December 4, 2023 13:22	12/04/2023 16:14

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
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Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

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ORIGINS
LABORATORY, INC

4312067

www.originslaboratory.com

Initial

page 1 of 2

Client: Eagle Environmental (oxy)

Address: 8000 W 44th Ave

Wheat Ridge, CO 80033

Telephone Number: 303-433-0479

Email Address: dcoloccia@eagle-enviro.com

Project Manager: D. Coloccia

Project Name: Hudson 11-35A/Eichth O SA

Project Number: -

Samples Collected By: CB

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative			Matrix		Analysis	Sample Instructions				
				Unpreserved	HCl	HNO ₃	Other	Groundwater			Soil	Air Summa Canister #		
AST-B01E3"	12/4/23	1218	3	X				X		X	X	X	X	1
PW-B01E3'		1222												2
PW-S01E2'		1224												3
SEP-B01E4'		1228												4
SEP-B02E4'		1230	1											5
PW-B001E3"		1246	2											6
PW-B002E3"		1248												7
PW-B003E3"		1250												8
PW-B004E3"		1252												9
PW-B001E3'	1	1320	1					1						10
Relinquished By: <i>Chris Tordella</i>	Date: 12/4/23	Time: 1614	Received By: CHS	Date: 12/4/23	Time: 1614	Turnaround Time: Same Day <input checked="" type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input type="checkbox"/>								

Temp Received: 3.5

Date Results Needed

Origins Laboratory, Inc.

J. Bynon

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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4312067

Client: Eagle
Client Project ID: Hudson 1135A/Eichth

Checklist Completed by: EHS

Shipped Via: HO
(UPS, FedEx, Hand Delivered, Pick-up, etc.)
Airbill #: N/A

Date/time completed: 12/14/23

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

Cooler Number/Temperature: 11355 °C 1 °C 1 °C (Describe) _____ °C

Thermometer ID: 7004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽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 type="checkbox"/>	<input checked="" 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 ⁽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 (> 1/4 inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<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 type="checkbox"/>	<input type="checkbox"/>	<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.

[Signature]
Reviewed by (Project Manager)

12/14/23
Date/Time Reviewed

Origins Laboratory, Inc.

[Signature]

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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

AST-B01@3"

12/4/2023 12:18:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y312067-01 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.0992	mg/L	1	B3L0506	KAP	12/05/2023	12/06/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3L0411	ZZZ	12/04/2023	12/05/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	83.4 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3L0415	HKS	12/04/2023	12/05/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Benzene	ND	0.00200	"	"	"	HKS	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Naphthalene	ND	0.00380	"	"	"	HKS	"	"	U
Toluene	ND	0.00200	"	"	"	HKS	"	"	U
Xylenes, total	ND	0.00200	"	"	"	HKS	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HKS	"	"	U

Surrogate: 1,2-Dichloroethane-d4	105 %	70-130			"	"	"
Surrogate: Toluene-d8	102 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	102 %	70-130			"	"	"

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Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

AST-B01@3"

12/4/2023 12:18:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312067-01 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	KAP	12/05/2023	12/06/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	ND	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	7.21		pH Units	1	B3L0513	ACC	12/05/2023	12/06/2023
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SAR by 20B Saturated Paste

SAR	0.0780	0.0100	SAR	1	B3L0509	KAP	12/05/2023	12/06/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0744	0.00500	mmhos/cm	1	B3L0513	ACC	12/05/2023	12/06/2023
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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

PW-B01@3'
12/4/2023 12:22:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312067-02 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.100	mg/L	1	B3L0506	KAP	12/05/2023	12/06/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3L0411	ZZZ	12/04/2023	12/05/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	91.2 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3L0415	HKS	12/04/2023	12/05/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Benzene	ND	0.00200	"	"	"	HKS	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Naphthalene	ND	0.00380	"	"	"	HKS	"	"	U
Toluene	ND	0.00200	"	"	"	HKS	"	"	U
Xylenes, total	ND	0.00200	"	"	"	HKS	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HKS	"	"	U

Surrogate: 1,2-Dichloroethane-d4	105 %	70-130			"	"	"	
Surrogate: Toluene-d8	100 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	70-130			"	"	"	

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8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

PW-B01@3'

12/4/2023 12:22:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312067-02 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	0.769	0.499	meq/L	10	[CALC]	KAP	12/05/2023	12/06/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	ND	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.13		pH Units	1	B3L0513	ACC	12/05/2023	12/06/2023
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SAR by 20B Saturated Paste

SAR	0.0890	0.0100	SAR	1	B3L0509	KAP	12/05/2023	12/06/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.116	0.00500	mmhos/cm	1	B3L0513	ACC	12/05/2023	12/06/2023
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8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

PW-S01@2'

12/4/2023 12:24:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312067-03 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.0983	mg/L	1	B3L0506	KAP	12/05/2023	12/06/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3L0411	ZZZ	12/04/2023	12/05/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	80.4 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3L0415	JSM	12/04/2023	12/05/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Naphthalene	ND	0.00380	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4	105 %	70-130			"	"	"	
Surrogate: Toluene-d8	105 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	93.8 %	70-130			"	"	"	

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Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

PW-S01@2'

12/4/2023 12:24:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312067-03 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	0.930	0.499	meq/L	10	[CALC]	KAP	12/05/2023	12/06/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	ND	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.24		pH Units	1	B3L0513	ACC	12/05/2023	12/06/2023
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SAR by 20B Saturated Paste

SAR	0.0394	0.0100	SAR	1	B3L0509	KAP	12/05/2023	12/06/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.136	0.00500	mmhos/cm	1	B3L0513	ACC	12/05/2023	12/06/2023
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8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

SEP-B01@4'
12/4/2023 12:28:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312067-04 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.0997	mg/L	1	B3L0506	KAP	12/05/2023	12/06/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3L0411	ZZZ	12/04/2023	12/05/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	78.5 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3L0415	HKS	12/04/2023	12/05/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Benzene	ND	0.00200	"	"	"	HKS	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Naphthalene	ND	0.00380	"	"	"	HKS	"	"	U
Toluene	ND	0.00200	"	"	"	HKS	"	"	U
Xylenes, total	ND	0.00200	"	"	"	HKS	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HKS	"	"	U

Surrogate: 1,2-Dichloroethane-d4	106 %	70-130			"	"	"	
Surrogate: Toluene-d8	102 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %	70-130			"	"	"	

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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

SEP-B01@4'

12/4/2023 12:28:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312067-04 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	KAP	12/05/2023	12/06/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	ND	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	7.16		pH Units	1	B3L0513	ACC	12/05/2023	12/06/2023
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SAR by 20B Saturated Paste

SAR	0.604	0.0100	SAR	1	B3L0509	KAP	12/05/2023	12/06/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0844	0.00500	mmhos/cm	1	B3L0513	ACC	12/05/2023	12/06/2023
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8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

SEP-B02@4'
12/4/2023 12:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312067-05 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.101	mg/L	1	B3L0506	KAP	12/05/2023	12/06/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3L0411	ZZZ	12/04/2023	12/05/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	78.7 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3L0415	HKS	12/04/2023	12/05/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Benzene	ND	0.00200	"	"	"	HKS	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Naphthalene	ND	0.00380	"	"	"	HKS	"	"	U
Toluene	ND	0.00200	"	"	"	HKS	"	"	U
Xylenes, total	ND	0.00200	"	"	"	HKS	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HKS	"	"	U

Surrogate: 1,2-Dichloroethane-d4	107 %	70-130			"	"	"
Surrogate: Toluene-d8	101 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	102 %	70-130			"	"	"

Origins Laboratory, Inc.



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

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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

SEP-B02@4'

12/4/2023 12:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312067-05 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	1.29	0.499	meq/L	10	[CALC]	KAP	12/05/2023	12/06/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	ND	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.38		pH Units	1	B3L0513	ACC	12/05/2023	12/06/2023
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SAR by 20B Saturated Paste

SAR	0.208	0.0100	SAR	1	B3L0509	KAP	12/05/2023	12/06/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.213	0.00500	mmhos/cm	1	B3L0513	ACC	12/05/2023	12/06/2023
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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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

PW-BG01@3"

12/4/2023 12:46:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312067-06 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.0989	mg/L	1	B3L0506	KAP	12/05/2023	12/06/2023
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Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	KAP	12/05/2023	12/06/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	ND	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	6.26		pH Units	1	B3L0513	ACC	12/05/2023	12/06/2023
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SAR by 20B Saturated Paste

SAR	0.0633	0.0100	SAR	1	B3L0509	KAP	12/05/2023	12/06/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0682	0.00500	mmhos/cm	1	B3L0513	ACC	12/05/2023	12/06/2023
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Origins Laboratory, Inc.



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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

PW-BG02@3"

12/4/2023 12:48:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312067-07 (Soil)

Boron (DTPA Sorbitol)

Boron	0.136	0.101	mg/L	1	B3L0506	KAP	12/05/2023	12/06/2023
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Metals by Saturated Paste by EPA 6010

Calcium	1.27	0.499	meq/L	10	[CALC]	KAP	12/05/2023	12/06/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	ND	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.30		pH Units	1	B3L0513	ACC	12/05/2023	12/06/2023
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SAR by 20B Saturated Paste

SAR	0.0357	0.0100	SAR	1	B3L0509	KAP	12/05/2023	12/06/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.294	0.00500	mmhos/cm	1	B3L0513	ACC	12/05/2023	12/06/2023
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Origins Laboratory, Inc.



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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

PW-BG03@3"

12/4/2023 12:50:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312067-08 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.101	mg/L	1	B3L0506	KAP	12/05/2023	12/06/2023
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Metals by Saturated Paste by EPA 6010

Calcium	0.794	0.499	meq/L	10	[CALC]	KAP	12/05/2023	12/06/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	ND	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.19		pH Units	1	B3L0513	ACC	12/05/2023	12/06/2023
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SAR by 20B Saturated Paste

SAR	0.0472	0.0100	SAR	1	B3L0509	KAP	12/05/2023	12/06/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.110	0.00500	mmhos/cm	1	B3L0513	ACC	12/05/2023	12/06/2023
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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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

PW-BG04@3"

12/4/2023 12:52:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312067-09 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.101	mg/L	1	B3L0506	KAP	12/05/2023	12/06/2023
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Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	KAP	12/05/2023	12/06/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	ND	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	6.83		pH Units	1	B3L0513	ACC	12/05/2023	12/06/2023
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SAR by 20B Saturated Paste

SAR	0.0477	0.0100	SAR	1	B3L0509	KAP	12/05/2023	12/06/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0641	0.00500	mmhos/cm	1	B3L0513	ACC	12/05/2023	12/06/2023
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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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

PW-BG01@3'
12/4/2023 1:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312067-10 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.0998	mg/L	1	B3L0506	KAP	12/05/2023	12/06/2023
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Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	KAP	12/05/2023	12/06/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	ND	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	7.88		pH Units	1	B3L0513	ACC	12/05/2023	12/06/2023
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SAR by 20B Saturated Paste

SAR	0.102	0.0100	SAR	1	B3L0509	KAP	12/05/2023	12/06/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0571	0.00500	mmhos/cm	1	B3L0513	ACC	12/05/2023	12/06/2023
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Origins Laboratory, Inc.



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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

PW-BG01@6'
12/4/2023 1:22:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312067-11 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.101	mg/L	1	B3L0506	KAP	12/05/2023	12/06/2023
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Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	KAP	12/05/2023	12/06/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	ND	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	7.90		pH Units	1	B3L0513	ACC	12/05/2023	12/06/2023
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SAR by 20B Saturated Paste

SAR	0.427	0.0100	SAR	1	B3L0509	KAP	12/05/2023	12/06/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0637	0.00500	mmhos/cm	1	B3L0513	ACC	12/05/2023	12/06/2023
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Origins Laboratory, Inc.



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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

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
Batch B3L0411 - EPA 3550B										
Blank (B3L0411-BLK1)					Prepared: 12/04/2023 Analyzed: 12/04/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	21		"	24.9		84.4	50-150			

Origins Laboratory, Inc.



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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

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
Batch B3L0411 - EPA 3550B										
LCS (B3L0411-BS1)					Prepared: 12/04/2023 Analyzed: 12/04/2023					
Diesel (C10-C28)	974	50.0	mg/kg	1000		97.4	70-130			
Residual Range Organics (C28-C40)	1080	200	"	1000		108	70-130			
Surrogate: o-Terphenyl	52		"	49.8		104	50-150			

Origins Laboratory, Inc.



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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

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 B3L0411 - EPA 3550B

Matrix Spike (B3L0411-MS1)		Source: Y312040-01			Prepared: 12/04/2023 Analyzed: 12/04/2023					
Diesel (C10-C28)	868	50.0	mg/kg	1000	ND	86.8	70-130			
Residual Range Organics (C28-C40)	923	200	"	1000	ND	92.3	70-130			
Surrogate: o-Terphenyl	42		"	49.8		83.5	50-150			

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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

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
Batch B3L0411 - EPA 3550B										
Matrix Spike Dup (B3L0411-MSD1)		Source: Y312040-01			Prepared: 12/04/2023 Analyzed: 12/04/2023					
Diesel (C10-C28)	805	50.0	mg/kg	1000	ND	80.5	70-130	7.54	35	
Residual Range Organics (C28-C40)	836	200	"	1000	ND	83.6	70-130	9.98	35	
Surrogate: o-Terphenyl	40		"	49.8		80.2	50-150			

Origins Laboratory, Inc.



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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

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
Batch B3L0415 - EPA 5030 (soil)										
Blank (B3L0415-BLK1)					Prepared: 12/04/2023 Analyzed: 12/04/2023					
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		102	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.3	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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

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 B3L0415 - EPA 5030 (soil)										
LCS (B3L0415-BS1)					Prepared: 12/04/2023 Analyzed: 12/04/2023					
1,2,4-Trimethylbenzene	0.0843	0.00200	mg/kg	0.100		84.3	70-130			
1,3,5-Trimethylbenzene	0.0836	0.00200	"	0.100		83.6	70-130			
Benzene	0.0891	0.00200	"	0.100		89.1	70-130			
Ethylbenzene	0.0826	0.00200	"	0.100		82.6	70-130			
Naphthalene	0.0950	0.00380	"	0.100		95.0	70-130			
Toluene	0.0893	0.00200	"	0.100		89.3	70-130			
o-Xylene	0.0803	0.00200	"	0.100		80.3	70-130			
m,p-Xylene	0.166	0.00400	"	0.200		83.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.16		"	0.125		127	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		93.9	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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

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 B3L0415 - EPA 5030 (soil)

Matrix Spike (B3L0415-MS1)		Source: Y312040-01			Prepared: 12/04/2023 Analyzed: 12/04/2023					
1,2,4-Trimethylbenzene	0.0915	0.00200	mg/kg	0.100	ND	91.5	70-130			
1,3,5-Trimethylbenzene	0.0907	0.00200	"	0.100	ND	90.7	70-130			
Benzene	0.105	0.00200	"	0.100	ND	105	70-130			
Ethylbenzene	0.0961	0.00200	"	0.100	ND	96.1	70-130			
Naphthalene	0.0876	0.00380	"	0.100	ND	87.6	70-130			
Toluene	0.100	0.00200	"	0.100	ND	100	70-130			
o-Xylene	0.0888	0.00200	"	0.100	ND	88.8	70-130			
m,p-Xylene	0.192	0.00400	"	0.200	ND	96.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		101	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		94.2	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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

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 B3L0415 - EPA 5030 (soil)										
Matrix Spike Dup (B3L0415-MSD1)			Source: Y312040-01		Prepared: 12/04/2023 Analyzed: 12/04/2023					
1,2,4-Trimethylbenzene	0.0863	0.00200	mg/kg	0.100	ND	86.3	70-130	5.89	20	
1,3,5-Trimethylbenzene	0.0847	0.00200	"	0.100	ND	84.7	70-130	6.86	20	
Benzene	0.101	0.00200	"	0.100	ND	101	70-130	3.46	20	
Ethylbenzene	0.0900	0.00200	"	0.100	ND	90.0	70-130	6.49	20	
Naphthalene	0.0866	0.00380	"	0.100	ND	86.6	70-130	1.10	20	
Toluene	0.0948	0.00200	"	0.100	ND	94.8	70-130	5.60	20	
o-Xylene	0.0834	0.00200	"	0.100	ND	83.4	70-130	6.18	20	
m,p-Xylene	0.181	0.00400	"	0.200	ND	90.4	70-130	6.11	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		103	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		94.2	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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

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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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 B3L0506 - DTPA Sorbitol Preparation

Blank (B3L0506-BLK1)

Prepared: 12/05/2023 Analyzed: 12/06/2023

Boron ND 0.100 mg/L

Duplicate (B3L0506-DUP1)

Source: Y312026-01

Prepared: 12/05/2023 Analyzed: 12/06/2023

Boron 0.317 0.101 mg/L 0.340 7.13 50

Batch B3L0509 - Saturated Paste Metals

Blank (B3L0509-BLK1)

Prepared: 12/05/2023 Analyzed: 12/06/2023

Calcium PPM ND 10.0 mg/L

SAR ND 0.0100 SAR

Magnesium PPM ND 10.0 mg/L

Sodium PPM ND 10.0 "

Duplicate (B3L0509-DUP1)

Source: Y312014-01

Prepared: 12/05/2023 Analyzed: 12/06/2023

Calcium PPM 5.09 10.0 mg/L 5.39 5.73 50

SAR ND 0.0100 SAR 7.21 200

Magnesium PPM 0.630 10.0 mg/L 0.700 10.5 50

Sodium PPM 68.4 10.0 " 67.0 2.08 50

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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

Saturated Paste - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3L0513 - Saturated Paste pH/EC										
Blank (B3L0513-BLK1)					Prepared: 12/05/2023 Analyzed: 12/06/2023					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
Duplicate (B3L0513-DUP1)					Source: Y312014-01 Prepared: 12/05/2023 Analyzed: 12/06/2023					
Specific Conductance (EC)	0.309	0.00500	mmhos/cm		0.297			3.86	25	
pH	8.73		pH Units		8.72			0.115	25	

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

Dan Coloccia

Project Number: [none]

Project: KMG - Hudson 11-35A/Eichth O SA

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.



March 18, 2024

Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - Hudson 11-35A/Eichth O SA Project Number - [none]

Attached are your analytical results for KMG - Hudson 11-35A/Eichth O SA received by Origins Laboratory, Inc. February 27, 2024. This project is associated with Origins project number Y402673-01.

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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PW-B01@5'	Y402673-01	Soil	February 27, 2024 13:55	02/27/2024 16:42
PW-S01@5'	Y402673-02	Soil	February 27, 2024 14:00	02/27/2024 16:42
AST-B01@3'	Y402673-03	Soil	February 27, 2024 14:05	02/27/2024 16:42

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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: Y402673

Client: Eagle

Client Project ID: Hudson 11-35A/Eichth

Checklist Completed by: ETH

Shipped Via: HIO

Date/time completed: 2/27/24

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Airbill #: N/A

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

Cooler Number/Temperature: 1 4.5 °C 1 °C 1 °C (Describe) 1 °C

Thermometer ID: TOOH

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 type="checkbox"/>	<input type="checkbox"/>	<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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" 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 ⁽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 type="checkbox"/>	<input type="checkbox"/>	<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 type="checkbox"/>	<input type="checkbox"/>	<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.

[Signature]
Reviewed by (Project Manager)

2/27/24
Date/Time Reviewed

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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

PW-B01@5'
2/27/2024 1:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402673-01 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.0997	mg/L	1	B4B2815	02/28/2024	02/29/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4B2726	02/27/2024	02/28/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	79.3 %	50-150	"	"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4B2724	02/27/2024	02/28/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	117 %	70-130	"	"	"	"	"	
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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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

PW-B01@5'

2/27/2024 1:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402673-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	100 %	70-130				B4B27 24	02/27/2024	02/28/2024	
Surrogate: 4-Bromofluorobenzene	99.8 %	70-130				"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	0.996	0.499	meq/L	10	[CALC]	02/28/2024	02/29/2024	
Magnesium	ND	0.823	"	"	"	"	"	
Sodium	0.559	0.435	"	"	"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4B2725	02/27/2024	02/28/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	"	"	U
Acenaphthene	ND	0.020	"	"	"	"	"	U
Anthracene	ND	0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	U
Chrysene	ND	0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	U
Fluoranthene	ND	0.020	"	"	"	"	"	U

Origins Laboratory, Inc.



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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

PW-B01@5'
2/27/2024 1:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402673-01 (Soil)

PAH by EPA 8270E

Fluorene	ND	0.020	mg/kg	1	B4B2725	02/27/2024	02/28/2024	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	U
Naphthalene	ND	0.002	"	"	"	"	"	U
Pyrene	ND	0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	97.0 %	60-130	"	"	"
Surrogate: Anthracene-d10	99.6 %	60-130	"	"	"
Surrogate: Pyrene-d10	99.1 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	104 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.28	pH Units	1	B4B2821	02/28/2024	02/29/2024
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SAR by 20B Saturated Paste

SAR	0.715	0.0100	SAR	1	B4B2809	02/28/2024	02/29/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.229	0.00500	mmhos/cm	1	B4B2821	02/28/2024	02/29/2024
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Table 915 metals by EPA 6020B

Origins Laboratory, Inc.



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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

PW-B01@5'

2/27/2024 1:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402673-01 (Soil)

Table 915 metals by EPA 6020B

Arsenic	1.92	0.251	mg/kg	10	B4B2732	02/27/2024	03/09/2024
Barium	39.6	8.66	"	"	"	"	"
Cadmium	0.115	0.0866	"	"	"	"	"
Copper	ND	8.66	"	"	"	"	"
Lead	4.35	0.866	"	"	"	"	"
Nickel	4.22	0.866	"	"	"	"	"
Selenium	ND	0.225	"	"	"	"	"
Silver	ND	0.0866	"	"	"	"	"
Zinc	34.6	32.0	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L737860	02/27/2024	03/14/2024
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Origins Laboratory, Inc.



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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

PW-S01@5'
2/27/2024 2:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402673-02 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.0998	mg/L	1	B4B2815	02/28/2024	02/29/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4B2726	02/27/2024	02/28/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	81.5 %	50-150			"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4B2724	02/27/2024	02/28/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	118 %	70-130			"	"	"
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Origins Laboratory, Inc.



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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

PW-S01@5'

2/27/2024 2:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402673-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	99.1 %	70-130				B4B27 24	02/27/2024	02/28/2024	
Surrogate: 4-Bromofluorobenzene	99.8 %	70-130				"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	0.885	0.499	meq/L	10	[CALC]	02/28/2024	02/29/2024	
Magnesium	ND	0.823	"	"	"	"	"	
Sodium	0.560	0.435	"	"	"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4B2725	02/27/2024	02/28/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	"	"	U
Acenaphthene	ND	0.020	"	"	"	"	"	U
Anthracene	ND	0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	U
Chrysene	ND	0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	U
Fluoranthene	ND	0.020	"	"	"	"	"	U

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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

PW-S01@5'

2/27/2024 2:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402673-02 (Soil)

PAH by EPA 8270E

Fluorene	ND	0.020	mg/kg	1	B4B2725	02/27/2024	02/28/2024	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	U
Naphthalene	ND	0.002	"	"	"	"	"	U
Pyrene	ND	0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	97.7 %	60-130	"	"	"
Surrogate: Anthracene-d10	99.1 %	60-130	"	"	"
Surrogate: Pyrene-d10	97.3 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	102 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.34	pH Units	1	B4B2821	02/28/2024	02/29/2024
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SAR by 20B Saturated Paste

SAR	0.747	0.0100	SAR	1	B4B2809	02/28/2024	02/29/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.218	0.00500	mmhos/cm	1	B4B2821	02/28/2024	02/29/2024
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Table 915 metals by EPA 6020B

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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

PW-S01@5'

2/27/2024 2:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402673-02 (Soil)

Table 915 metals by EPA 6020B

Arsenic	1.71	0.276	mg/kg	10	B4B2732	02/27/2024	03/09/2024
Barium	34.7	9.52	"	"	"	"	"
Cadmium	0.0971	0.0952	"	"	"	"	"
Copper	ND	9.52	"	"	"	"	"
Lead	4.49	0.952	"	"	"	"	"
Nickel	3.90	0.952	"	"	"	"	"
Selenium	ND	0.247	"	"	"	"	"
Silver	ND	0.0952	"	"	"	"	"
Zinc	ND	35.2	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L737860	02/27/2024	03/14/2024
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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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

AST-B01@3'
2/27/2024 2:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402673-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.143	0.101	mg/L	1	B4B2815	02/28/2024	02/29/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4B2726	02/27/2024	02/28/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	83.9 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4B2724	02/27/2024	02/28/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	118 %	70-130			"	"	"	
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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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

AST-B01@3'
2/27/2024 2:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402673-03 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	99.1 %	70-130				B4B27 24	02/27/2024	02/28/2024	
Surrogate: 4-Bromofluorobenzene	101 %	70-130				"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	0.975	0.499	meq/L	10	[CALC]		02/28/2024	02/29/2024	
Magnesium	ND	0.823	"	"	"		"	"	
Sodium	0.446	0.435	"	"	"		"	"	

PAH by EPA 8270E

1-Methylnaphthalene	0.003	0.002	mg/kg	1	B4B2725		02/27/2024	02/28/2024	
2-Methylnaphthalene	0.005	0.002	"	"	"		"	"	
Acenaphthene	ND	0.020	"	"	"		"	"	U
Anthracene	ND	0.020	"	"	"		"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"		"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"		"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"		"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"		"	"	U
Chrysene	ND	0.020	"	"	"		"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"		"	"	U
Fluoranthene	ND	0.020	"	"	"		"	"	U

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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

AST-B01@3'
2/27/2024 2:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402673-03 (Soil)

PAH by EPA 8270E

Fluorene	ND	0.020	mg/kg	1	B4B2725	02/27/2024	02/28/2024	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	U
Naphthalene	ND	0.002	"	"	"	"	"	U
Pyrene	ND	0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	99.7 %	60-130	"	"	"
Surrogate: Anthracene-d10	101 %	60-130	"	"	"
Surrogate: Pyrene-d10	97.1 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	101 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.29	pH Units	1	B4B2821	02/28/2024	02/29/2024
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SAR by 20B Saturated Paste

SAR	0.562	0.0100	SAR	1	B4B2809	02/28/2024	02/29/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.215	0.00500	mmhos/cm	1	B4B2821	02/28/2024	02/29/2024
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Table 915 metals by EPA 6020B

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Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

AST-B01@3'
2/27/2024 2:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402673-03 (Soil)

Table 915 metals by EPA 6020B

Arsenic	2.28	0.252	mg/kg	10	B4B2732	02/27/2024	03/09/2024
Barium	44.3	8.70	"	"	"	"	"
Cadmium	0.111	0.0870	"	"	"	"	"
Copper	ND	8.70	"	"	"	"	"
Lead	4.82	0.870	"	"	"	"	"
Nickel	5.74	0.870	"	"	"	"	"
Selenium	ND	0.226	"	"	"	"	"
Silver	ND	0.0870	"	"	"	"	"
Zinc	ND	32.2	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L737860	02/27/2024	03/14/2024
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Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

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 B4B2724 - EPA 5030 (soil)										
Blank (B4B2724-BLK1)					Prepared: 02/27/2024 Analyzed: 02/27/2024					
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125	114		70-130			
Surrogate: Toluene-d8	0.13		"	0.125	100		70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125	100		70-130			

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Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

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 B4B2724 - EPA 5030 (soil)

LCS (B4B2724-BS1)

Prepared: 02/27/2024 Analyzed: 02/27/2024

1,2,4-Trimethylbenzene	0.0918	0.00200	mg/kg	0.100		91.8	70-130			
1,3,5-Trimethylbenzene	0.0946	0.00200	"	0.100		94.6	70-130			
Benzene	0.0945	0.00200	"	0.100		94.5	70-130			
Ethylbenzene	0.0920	0.00200	"	0.100		92.0	70-130			
Naphthalene	0.102	0.00380	"	0.100		102	70-130			
Toluene	0.0946	0.00200	"	0.100		94.6	70-130			
o-Xylene	0.0906	0.00200	"	0.100		90.6	70-130			
m,p-Xylene	0.183	0.00400	"	0.200		91.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		113	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		94.4	70-130			

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Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

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 B4B2724 - EPA 5030 (soil)										
Matrix Spike (B4B2724-MS1)		Source: Y402658-01			Prepared: 02/27/2024 Analyzed: 02/27/2024					
1,2,4-Trimethylbenzene	0.0842	0.00200	mg/kg	0.100	ND	84.2	70-130			
1,3,5-Trimethylbenzene	0.0867	0.00200	"	0.100	ND	86.7	70-130			
Benzene	0.0905	0.00200	"	0.100	ND	90.5	70-130			
Ethylbenzene	0.0852	0.00200	"	0.100	ND	85.2	70-130			
Naphthalene	0.0930	0.00380	"	0.100	ND	93.0	70-130			
Toluene	0.0887	0.00200	"	0.100	0.000520	88.1	70-130			
o-Xylene	0.0833	0.00200	"	0.100	ND	83.3	70-130			
m,p-Xylene	0.168	0.00400	"	0.200	ND	83.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		115	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		94.7	70-130			

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Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

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 B4B2724 - EPA 5030 (soil)										
Matrix Spike Dup (B4B2724-MSD1)			Source: Y402658-01		Prepared: 02/27/2024 Analyzed: 02/27/2024					
1,2,4-Trimethylbenzene	0.0812	0.00200	mg/kg	0.100	ND	81.2	70-130	3.60	20	
1,3,5-Trimethylbenzene	0.0841	0.00200	"	0.100	ND	84.1	70-130	3.02	20	
Benzene	0.0881	0.00200	"	0.100	ND	88.1	70-130	2.62	20	
Ethylbenzene	0.0831	0.00200	"	0.100	ND	83.1	70-130	2.52	20	
Naphthalene	0.0933	0.00380	"	0.100	ND	93.3	70-130	0.301	20	
Toluene	0.0862	0.00200	"	0.100	0.000520	85.6	70-130	2.86	20	
o-Xylene	0.0820	0.00200	"	0.100	ND	82.0	70-130	1.52	20	
m,p-Xylene	0.164	0.00400	"	0.200	ND	82.0	70-130	2.34	20	
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		115	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		94.4	70-130			

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Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

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 B4B2726 - EPA 3550B										
Blank (B4B2726-BLK1)					Prepared: 02/27/2024 Analyzed: 02/27/2024					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	24		"	24.9		96.6	50-150			

Origins Laboratory, Inc.



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Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

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 B4B2726 - EPA 3550B

LCS (B4B2726-BS1)

Prepared: 02/27/2024 Analyzed: 02/27/2024

Diesel (C10-C28)	839	50.0	mg/kg	1000		83.9	70-130			
Residual Range Organics (C28-C40)	943	200	"	1000		94.3	70-130			
Surrogate: o-Terphenyl	43		"	49.8		87.2	50-150			

Origins Laboratory, Inc.



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Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

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 B4B2726 - EPA 3550B

Matrix Spike (B4B2726-MS1)		Source: Y402672-02			Prepared: 02/27/2024 Analyzed: 02/27/2024					
Diesel (C10-C28)	971	50.0	mg/kg	1000	249	72.3	70-130			
Residual Range Organics (C28-C40)	1070	200	"	1000	197	87.0	70-130			
Surrogate: o-Terphenyl	40		"	49.8		81.2	50-150			

Origins Laboratory, Inc.



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Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

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 B4B2726 - EPA 3550B

Matrix Spike Dup (B4B2726-MSD1)		Source: Y402672-02			Prepared: 02/27/2024 Analyzed: 02/27/2024					
Diesel (C10-C28)	965	50.0	mg/kg	1000	249	71.6	70-130	0.666	35	
Residual Range Organics (C28-C40)	1060	200	"	1000	197	86.1	70-130	0.862	35	
Surrogate: o-Terphenyl	49		"	49.8		98.3	50-150			

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8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

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 B4B2732 - EPA 3050B

Blank (B4B2732-BLK1)

Prepared: 02/27/2024 Analyzed: 03/08/2024

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 (B4B2732-BS1)

Prepared: 02/27/2024 Analyzed: 03/08/2024

Arsenic	5.46	0.290	mg/kg	5.00	109	80-120
Barium	481	10.0	"	500	96.2	80-120
Cadmium	5.90	0.100	"	5.00	118	80-120
Copper	48.0	10.0	"	50.0	95.9	80-120
Lead	4.79	1.00	"	5.00	95.8	80-120
Nickel	5.69	1.00	"	5.00	114	80-120
Selenium	10.4	0.260	"	9.50	109	80-120
Silver	5.22	0.100	"	5.00	104	80-120
Zinc	59.6	37.0	"	50.0	119	80-120

Matrix Spike (B4B2732-MS1)

Source: Y402664-13

Prepared: 02/27/2024 Analyzed: 03/08/2024

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Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

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 B4B2732 - EPA 3050B

Matrix Spike (B4B2732-MS1)		Source: Y402664-13			Prepared: 02/27/2024 Analyzed: 03/08/2024					
Arsenic	9.61	0.259	mg/kg	4.46	4.84	107	75-125			
Barium	656	8.91	"	446	195	103	75-125			
Cadmium	5.50	0.0891	"	4.46	0.212	119	75-125			
Copper	46.3	8.91	"	44.6	3.98	94.8	75-125			
Lead	16.6	0.891	"	4.46	13.0	80.4	75-125			
Nickel	17.9	0.891	"	4.46	13.1	107	75-125			
Selenium	8.03	0.232	"	8.47	0.164	92.9	75-125			
Silver	4.62	0.0891	"	4.46	0.0514	102	75-125			
Zinc	121	33.0	"	44.6	75.1	103	75-125			
Matrix Spike Dup (B4B2732-MSD1)		Source: Y402664-13			Prepared: 02/27/2024 Analyzed: 03/08/2024					
Arsenic	10.0	0.275	mg/kg	4.75	4.84	109	75-125	4.05	20	
Barium	635	9.49	"	475	195	92.9	75-125	3.15	20	
Cadmium	5.80	0.0949	"	4.75	0.212	118	75-125	5.15	20	
Copper	49.7	9.49	"	47.5	3.98	96.3	75-125	7.15	20	
Lead	17.2	0.949	"	4.75	13.0	89.1	75-125	3.80	20	
Nickel	18.5	0.949	"	4.75	13.1	112	75-125	2.94	20	
Selenium	9.42	0.247	"	9.02	0.164	103	75-125	16.0	20	
Silver	4.89	0.0949	"	4.75	0.0514	102	75-125	5.61	20	
Zinc	129	35.1	"	47.5	75.1	114	75-125	6.65	20	

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Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

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 B4B2725 - EPA 3580

Blank (B4B2725-BLK1)

Prepared: 02/27/2024 Analyzed: 02/27/2024

1-Methylnaphthalene	ND	0.002	mg/kg							U
2-Methylnaphthalene	ND	0.002	"							U
Acenaphthene	ND	0.020	"							U
Anthracene	ND	0.020	"							U
Benzo (a) anthracene	ND	0.005	"							U
Benzo (a) pyrene	ND	0.020	"							U
Benzo (b) fluoranthene	ND	0.020	"							U
Benzo (g,h,i) perylene	ND	0.020	"							U
Benzo (k) fluoranthene	ND	0.020	"							U
Chrysene	ND	0.020	"							U
Dibenz (a,h) anthracene	ND	0.020	"							U
Fluoranthene	ND	0.020	"							U
Fluorene	ND	0.020	"							U
Indeno (1,2,3-cd) pyrene	ND	0.020	"							U
Naphthalene	ND	0.002	"							U
Phenanthrene	ND	0.020	"							U
Pyrene	ND	0.020	"							U
Surrogate: Fluorene-d10	200		ug/kg	200		98.5	60-130			
Surrogate: Anthracene-d10	200		"	200		99.6	60-130			
Surrogate: Pyrene-d10	200		"	200		101	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		103	60-130			

LCS (B4B2725-BS1)

Prepared: 02/27/2024 Analyzed: 02/27/2024

1-Methylnaphthalene	0.187	0.002	mg/kg	0.200		93.4	70-130			
2-Methylnaphthalene	0.184	0.002	"	0.200		92.1	70-130			
Acenaphthene	0.187	0.020	"	0.200		93.4	70-130			
Anthracene	0.183	0.020	"	0.200		91.7	70-130			

Origins Laboratory, Inc.



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8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

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 B4B2725 - EPA 3580

LCS (B4B2725-BS1)

Prepared: 02/27/2024 Analyzed: 02/27/2024

Benzo (a) anthracene	0.179	0.005	mg/kg	0.200		89.6	70-130
Benzo (a) pyrene	0.213	0.020	"	0.200		107	70-130
Benzo (b) fluoranthene	0.200	0.020	"	0.200		100	70-130
Benzo (g,h,i) perylene	0.199	0.020	"	0.200		99.6	70-130
Benzo (k) fluoranthene	0.193	0.020	"	0.200		96.5	70-130
Chrysene	0.192	0.020	"	0.200		95.9	70-130
Dibenz (a,h) anthracene	0.215	0.020	"	0.200		108	70-130
Fluoranthene	0.184	0.020	"	0.200		91.8	70-130
Fluorene	0.183	0.020	"	0.200		91.4	70-130
Indeno (1,2,3-cd) pyrene	0.194	0.020	"	0.200		97.2	70-130
Naphthalene	0.188	0.002	"	0.200		94.1	70-130
Phenanthrene	0.194	0.020	"	0.200		96.9	70-130
Pyrene	0.193	0.020	"	0.200		96.4	70-130
Surrogate: Fluorene-d10	200		ug/kg	200		99.7	60-130
Surrogate: Anthracene-d10	200		"	200		98.2	60-130
Surrogate: Pyrene-d10	200		"	200		97.6	60-130
Surrogate: Benzo (a) pyrene-d12	210		"	200		103	60-130

Matrix Spike (B4B2725-MS1)

Source: Y402671-01

Prepared: 02/27/2024 Analyzed: 02/27/2024

1-Methylnaphthalene	0.196	0.002	mg/kg	0.200	ND	98.0	70-130
2-Methylnaphthalene	0.194	0.002	"	0.200	ND	97.2	70-130
Acenaphthene	0.195	0.020	"	0.200	0.0003	97.4	70-130
Anthracene	0.205	0.020	"	0.200	ND	103	70-130
Benzo (a) anthracene	0.176	0.005	"	0.200	0.002	87.1	70-130
Benzo (a) pyrene	0.223	0.020	"	0.200	ND	112	70-130
Benzo (b) fluoranthene	0.189	0.020	"	0.200	ND	94.5	70-130
Benzo (g,h,i) perylene	0.181	0.020	"	0.200	0.0007	90.3	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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

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 B4B2725 - EPA 3580

Matrix Spike (B4B2725-MS1)		Source: Y402671-01			Prepared: 02/27/2024 Analyzed: 02/27/2024					
Benzo (k) fluoranthene	0.188	0.020	mg/kg	0.200	ND	93.8	70-130			
Chrysene	0.197	0.020	"	0.200	ND	98.3	70-130			
Dibenz (a,h) anthracene	0.214	0.020	"	0.200	ND	107	70-130			
Fluoranthene	0.187	0.020	"	0.200	ND	93.7	70-130			
Fluorene	0.195	0.020	"	0.200	0.0004	97.1	70-130			
Indeno (1,2,3-cd) pyrene	0.204	0.020	"	0.200	ND	102	70-130			
Naphthalene	0.197	0.002	"	0.200	ND	98.5	70-130			
Phenanthrene	0.202	0.020	"	0.200	ND	101	70-130			
Pyrene	0.204	0.020	"	0.200	ND	102	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		100	60-130			
Surrogate: Anthracene-d10	200		"	200		102	60-130			
Surrogate: Pyrene-d10	200		"	200		98.9	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		105	60-130			

Matrix Spike Dup (B4B2725-MSD1)		Source: Y402671-01			Prepared: 02/27/2024 Analyzed: 02/27/2024					
1-Methylnaphthalene	0.190	0.002	mg/kg	0.200	ND	95.2	70-130	2.82	20	
2-Methylnaphthalene	0.188	0.002	"	0.200	ND	94.2	70-130	3.09	20	
Acenaphthene	0.186	0.020	"	0.200	0.0003	93.0	70-130	4.57	20	
Anthracene	0.192	0.020	"	0.200	ND	95.9	70-130	6.84	20	
Benzo (a) anthracene	0.171	0.005	"	0.200	0.002	84.5	70-130	3.00	20	
Benzo (a) pyrene	0.202	0.020	"	0.200	ND	101	70-130	9.94	20	
Benzo (b) fluoranthene	0.192	0.020	"	0.200	ND	96.1	70-130	1.67	20	
Benzo (g,h,i) perylene	0.188	0.020	"	0.200	0.0007	93.5	70-130	3.48	20	
Benzo (k) fluoranthene	0.199	0.020	"	0.200	ND	99.3	70-130	5.74	20	
Chrysene	0.196	0.020	"	0.200	ND	98.1	70-130	0.147	20	
Dibenz (a,h) anthracene	0.221	0.020	"	0.200	ND	110	70-130	3.29	20	
Fluoranthene	0.205	0.020	"	0.200	ND	102	70-130	8.78	20	

Origins Laboratory, Inc.



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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

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 B4B2725 - EPA 3580

Matrix Spike Dup (B4B2725-MSD1)		Source: Y402671-01			Prepared: 02/27/2024 Analyzed: 02/27/2024					
Fluorene	0.186	0.020	mg/kg	0.200	0.0004	92.8	70-130	4.46	20	
Indeno (1,2,3-cd) pyrene	0.198	0.020	"	0.200	ND	99.2	70-130	2.99	20	
Naphthalene	0.191	0.002	"	0.200	ND	95.7	70-130	2.88	20	
Phenanthrene	0.198	0.020	"	0.200	ND	99.1	70-130	1.85	20	
Pyrene	0.221	0.020	"	0.200	ND	110	70-130	7.74	20	
Surrogate: Fluorene-d10	200		ug/kg	200		99.5	60-130			
Surrogate: Anthracene-d10	200		"	200		100	60-130			
Surrogate: Pyrene-d10	210		"	200		107	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		98.6	60-130			

Origins Laboratory, Inc.



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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

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 B4B2809 - Saturated Paste Metals

Blank (B4B2809-BLK1)

Prepared: 02/28/2024 Analyzed: 02/29/2024

Calcium PPM	ND	10.0	mg/L
SAR	ND	0.0100	SAR
Magnesium PPM	ND	10.0	mg/L
Sodium PPM	ND	10.0	"

Duplicate (B4B2809-DUP1)

Source: Y402672-07

Prepared: 02/28/2024 Analyzed: 02/29/2024

SAR	ND	0.0100	SAR	15.9			200
Calcium PPM	85.6	10.0	mg/L	43.8		64.6	50 QR-DUP
Magnesium PPM	36.4	10.0	"	23.6		42.5	50
Sodium PPM	474	10.0	"	524		10.1	50

Batch B4B2815 - DTPA Sorbitol Preparation

Blank (B4B2815-BLK1)

Prepared: 02/28/2024 Analyzed: 02/29/2024

Boron	ND	0.100	mg/L
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Duplicate (B4B2815-DUP1)

Source: Y402575-01

Prepared: 02/28/2024 Analyzed: 02/29/2024

Boron	0.0386	0.102	mg/L	0.0313		21.1	50
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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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

Saturated Paste - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4B2821 - Saturated Paste pH/EC										
Blank (B4B2821-BLK1)					Prepared: 02/28/2024 Analyzed: 02/29/2024					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
Duplicate (B4B2821-DUP1)					Source: Y402672-07 Prepared: 02/28/2024 Analyzed: 02/29/2024					
pH	8.43		pH Units		8.51			0.945	25	
Specific Conductance (EC)	2.45	0.00500	mmhos/cm		2.47			0.793	25	

Origins Laboratory, Inc.



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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

Total Metals by 7196A - Quality Control Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L737860 -										
DUP (L 99009-DUP)		Source: 99009			Prepared: Analyzed: 03/14/2024					
Chromium, Hexavalent	ND	0.5	mg/Kg		<0.500	-		0	20	
MS (L 99009-MS)		Source: 99009			Prepared: Analyzed: 03/14/2024					
Chromium, Hexavalent	32	2.5	mg/Kg	39.2	< 0.244	82	75-125			
LCS (LCS)					Prepared: Analyzed: 03/14/2024					
Chromium, Hexavalent	6.07	0.5	mg/Kg	8		76	75-125			
LRB (LRB)					Prepared: Analyzed: 03/14/2024					
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

Origins Laboratory, Inc.



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Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

Notes and Definitions

U Sample is Non-Detect.

QR-DUP RPD exceeds QC acceptance criteria, this indicates source sample is not homogenous.

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.



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.



July 31, 2024

Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - Hudson 11-35A/Eichth O SA Project Number - [none]

Attached are your analytical results for KMG - Hudson 11-35A/Eichth O SA received by Origins Laboratory, Inc. July 26, 2024. This project is associated with Origins project number Y407706-02.

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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PW-S01-01@5'	Y407706-02	Soil	July 26, 2024 11:12	07/26/2024 14:00
AST-B01-01@3'	Y407706-03	Soil	July 26, 2024 11:14	07/26/2024 14:00
SEP-B02-01@4'	Y407706-04	Soil	July 26, 2024 11:38	07/26/2024 14:00
PW-BG05@3'	Y407706-05	Soil	July 26, 2024 11:50	07/26/2024 14:00
PW-BG05@6'	Y407706-06	Soil	July 26, 2024 12:00	07/26/2024 14:00
PW-BG06@3'	Y407706-07	Soil	July 26, 2024 12:20	07/26/2024 14:00
PW-BG06@6'	Y407706-08	Soil	July 26, 2024 12:30	07/26/2024 14:00
PW-BG07@3'	Y407706-09	Soil	July 26, 2024 12:40	07/26/2024 14:00
PW-BG07@6'	Y407706-10	Soil	July 26, 2024 12:50	07/26/2024 14:00

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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

1725 Elk Place | Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

ORIGINS
LABORATORY, INC

40770
Inv'd

www.originslaboratory.com

page | of |

Client: Eagle Environmental (05)
Address: 8000 W 44th Ave
Wheat Ridge, CO 80033
Telephone Number: 303-433-0479
Email Address: d.coloccia@eagle-env.com
Project Manager: D. Coloccia
Project Name: Hudson 11-35A/Eichth O SA
Project Number: -
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 Canister #	Other	H ₂ O ₂	Metals		Total
PW-B01-01 @ 5'	7/26/24	1110	3	X											*EXCEPT
PW-B01-01 @ 5'		1112	3												Chromium VI
AST-B01-01 @ 3'		1114	3												
SEP-B01-01 @ 4'		1138	3												
PW-B05-03 @ 3'		1150	2												
PW-B05-06 @ 6'		1200	2												
PW-B06-03 @ 3'		1220	2												
PW-B06-06 @ 6'		1230	2												
PW-B07-03 @ 3'		1240	2												
PW-B07-06 @ 6'		1250	2												

Requisitioned By: MM Date: 7/26/24 Time: 1400
Received By: SL Date: 7/26/24 Time: 1400
Turnaround Time: ☒ Same Day ☐ 24 Hr ☐ 72 Hr
Standard ☐

Temp Received: S Date Results Needed: S

Ben Sample AST-B01-01 @ 5'
for Arsenic per
Client's email 7/19/24

Origins Laboratory, Inc.

J. Bynon

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

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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4407706

Client: Eagle

Client Project ID: Hudson/Eichth

Checklist Completed by: TUT/24

Shipped Via: TW

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 7/26/24

Airbill #: N/A

Matrix(s) Received: (Check all that apply): X Soil/Solid

Water

Other:

Cooler Number/Temperature: 1 / 5 °C

(Describe)

Thermometer ID: 1005

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"/>			
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"/>	
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 7/26/24

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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

PW-S01-01@5'
7/26/2024 11:12:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407706-02 (Soil)

pH in Soil by 9045D

pH	8.30	pH Units	1	B4G2914	EAL	07/29/2024	07/29/2024
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Origins Laboratory, Inc.



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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

AST-B01-01@3'

7/26/2024 11:14:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407706-03 (Soil)

Table 915 metals by EPA 6020B

Arsenic	1.47	0.261	mg/kg	10	B4G2919	JAH	07/29/2024	07/30/2024
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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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Hudson 11-35A/Eichth O SA

SEP-B02-01@4'

7/26/2024 11:38:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y407706-04 (Soil)

pH in Soil by 9045D

pH	7.80	pH Units	1	B4G2914	EAL	07/29/2024	07/29/2024
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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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

PW-BG05@3'

7/26/2024 11:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407706-05 (Soil)

pH in Soil by 9045D

pH	7.20	pH Units	1	B4G2914	EAL	07/29/2024	07/29/2024
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Table 915 metals by EPA 6020B

Arsenic	1.28	0.274	mg/kg	10	B4G2633	HJD	07/26/2024	07/27/2024
Barium	35.2	9.45	"	"	"	HJD	"	"
Cadmium	ND	0.0945	"	"	"	HJD	"	"
Copper	ND	9.45	"	"	"	HJD	"	"
Lead	5.13	0.945	"	"	"	HJD	"	"
Nickel	2.94	0.945	"	"	"	HJD	"	"
Selenium	ND	0.246	"	"	"	HJD	"	"
Silver	ND	0.0945	"	"	"	HJD	"	"
Zinc	ND	35.0	"	"	"	HJD	"	"

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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

PW-BG05@6'

7/26/2024 12:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407706-06 (Soil)

pH in Soil by 9045D

pH	7.76	pH Units	1	B4G2914	EAL	07/29/2024	07/29/2024
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Table 915 metals by EPA 6020B

Arsenic	1.52	0.258	mg/kg	10	B4G2633	HJD	07/26/2024	07/27/2024
Barium	49.1	8.89	"	"	"	HJD	"	"
Cadmium	ND	0.0889	"	"	"	HJD	"	"
Copper	ND	8.89	"	"	"	HJD	"	"
Lead	3.80	0.889	"	"	"	HJD	"	"
Nickel	4.15	0.889	"	"	"	HJD	"	"
Selenium	ND	0.231	"	"	"	HJD	"	"
Silver	ND	0.0889	"	"	"	HJD	"	"
Zinc	ND	32.9	"	"	"	HJD	"	"

Origins Laboratory, Inc.



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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

PW-BG06@3'

7/26/2024 12:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407706-07 (Soil)

pH in Soil by 9045D

pH	7.68	pH Units	1	B4G2914	EAL	07/29/2024	07/29/2024
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Table 915 metals by EPA 6020B

Arsenic	1.71	0.249	mg/kg	10	B4G2633	HJD	07/26/2024	07/27/2024
Barium	43.4	8.60	"	"	"	HJD	"	"
Cadmium	ND	0.0860	"	"	"	HJD	"	"
Copper	ND	8.60	"	"	"	HJD	"	"
Lead	3.56	0.860	"	"	"	HJD	"	"
Nickel	3.85	0.860	"	"	"	HJD	"	"
Selenium	ND	0.224	"	"	"	HJD	"	"
Silver	ND	0.0860	"	"	"	HJD	"	"
Zinc	ND	31.8	"	"	"	HJD	"	"

Origins Laboratory, Inc.



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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

PW-BG06@6'

7/26/2024 12:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407706-08 (Soil)

pH in Soil by 9045D

pH	7.32	pH Units	1	B4G2914	EAL	07/29/2024	07/29/2024
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Table 915 metals by EPA 6020B

Arsenic	1.76	0.249	mg/kg	10	B4G2633	HJD	07/26/2024	07/27/2024
Barium	63.7	8.59	"	"	"	HJD	"	"
Cadmium	ND	0.0859	"	"	"	HJD	"	"
Copper	ND	8.59	"	"	"	HJD	"	"
Lead	3.81	0.859	"	"	"	HJD	"	"
Nickel	4.37	0.859	"	"	"	HJD	"	"
Selenium	ND	0.223	"	"	"	HJD	"	"
Silver	ND	0.0859	"	"	"	HJD	"	"
Zinc	ND	31.8	"	"	"	HJD	"	"

Origins Laboratory, Inc.



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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

PW-BG07@3'

7/26/2024 12:40:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407706-09 (Soil)

pH in Soil by 9045D

pH	7.66	pH Units	1	B4G2914	EAL	07/29/2024	07/29/2024
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Table 915 metals by EPA 6020B

Arsenic	1.55	0.257	mg/kg	10	B4G2633	HJD	07/26/2024	07/27/2024
Barium	54.4	8.86	"	"	"	HJD	"	"
Cadmium	ND	0.0886	"	"	"	HJD	"	"
Copper	ND	8.86	"	"	"	HJD	"	"
Lead	4.19	0.886	"	"	"	HJD	"	"
Nickel	4.57	0.886	"	"	"	HJD	"	"
Selenium	ND	0.230	"	"	"	HJD	"	"
Silver	ND	0.0886	"	"	"	HJD	"	"
Zinc	ND	32.8	"	"	"	HJD	"	"

Origins Laboratory, Inc.



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8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

PW-BG07@6'

7/26/2024 12:50:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407706-10 (Soil)

pH in Soil by 9045D

pH	7.62	pH Units	1	B4G2914	EAL	07/29/2024	07/29/2024
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Table 915 metals by EPA 6020B

Arsenic	1.50	0.245	mg/kg	10	B4G2633	HJD	07/26/2024	07/27/2024
Barium	58.0	8.44	"	"	"	HJD	"	"
Cadmium	ND	0.0844	"	"	"	HJD	"	"
Copper	ND	8.44	"	"	"	HJD	"	"
Lead	4.17	0.844	"	"	"	HJD	"	"
Nickel	4.09	0.844	"	"	"	HJD	"	"
Selenium	ND	0.219	"	"	"	HJD	"	"
Silver	ND	0.0844	"	"	"	HJD	"	"
Zinc	ND	31.2	"	"	"	HJD	"	"

Origins Laboratory, Inc.



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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

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 B4G2633 - EPA 3050B

Blank (B4G2633-BLK1)

Prepared: 07/26/2024 Analyzed: 07/27/2024

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 (B4G2633-BS1)

Prepared: 07/26/2024 Analyzed: 07/27/2024

Arsenic	5.10	0.290	mg/kg	5.00	102	80-120
Barium	509	10.0	"	500	102	80-120
Cadmium	5.29	0.100	"	5.00	106	80-120
Copper	53.5	10.0	"	50.0	107	80-120
Lead	5.10	1.00	"	5.00	102	80-120
Nickel	5.36	1.00	"	5.00	107	80-120
Selenium	5.16	0.260	"	5.00	103	80-120
Silver	5.27	0.100	"	5.00	105	80-120
Zinc	52.4	37.0	"	50.0	105	80-120

Matrix Spike (B4G2633-MS1)

Source: Y407702-01

Prepared: 07/26/2024 Analyzed: 07/27/2024

Arsenic	9.32	0.280	mg/kg	4.82	5.05	88.6	75-125
Barium	575	9.64	"	482	64.5	106	75-125
Cadmium	5.07	0.0964	"	4.82	0.0613	104	75-125
Copper	56.4	9.64	"	48.2	8.15	100	75-125
Lead	15.1	0.964	"	4.82	10.3	99.2	75-125

Origins Laboratory, Inc.



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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

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 B4G2633 - EPA 3050B

Matrix Spike (B4G2633-MS1)		Source: Y407702-01			Prepared: 07/26/2024 Analyzed: 07/27/2024					
Nickel	16.3	0.964	mg/kg	4.82	11.0	110	75-125			
Selenium	5.45	0.251	"	4.82	0.482	103	75-125			
Silver	5.00	0.0964	"	4.82	0.0279	103	75-125			
Zinc	91.1	35.7	"	48.2	45.5	94.5	75-125			
Matrix Spike Dup (B4G2633-MSD1)		Source: Y407702-01			Prepared: 07/26/2024 Analyzed: 07/27/2024					
Arsenic	8.44	0.242	mg/kg	4.18	5.05	80.9	75-125	9.99	20	
Barium	464	8.36	"	418	64.5	95.6	75-125	21.4	20	QR-02
Cadmium	4.34	0.0836	"	4.18	0.0613	102	75-125	15.6	20	
Copper	48.7	8.36	"	41.8	8.15	97.0	75-125	14.6	20	
Lead	13.2	0.836	"	4.18	10.3	69.8	75-125	13.2	20	QM-07
Nickel	14.6	0.836	"	4.18	11.0	86.8	75-125	11.0	20	
Selenium	4.37	0.217	"	4.18	0.482	93.0	75-125	21.9	20	QR-02
Silver	4.23	0.0836	"	4.18	0.0279	100	75-125	16.7	20	
Zinc	81.3	30.9	"	41.8	45.5	85.6	75-125	11.4	20	

Batch B4G2919 - EPA 3050B

Blank (B4G2919-BLK1)		Prepared: 07/29/2024 Analyzed: 07/30/2024								
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	"							

Origins Laboratory, Inc.



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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

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
Batch B4G2919 - EPA 3050B										
Blank (B4G2919-BLK1)					Prepared: 07/29/2024 Analyzed: 07/30/2024					
Zinc	ND	37.0	mg/kg							
LCS (B4G2919-BS1)					Prepared: 07/29/2024 Analyzed: 07/30/2024					
Arsenic	5.37	0.290	mg/kg	5.00		107	80-120			
Barium	532	10.0	"	500		106	80-120			
Cadmium	5.89	0.100	"	5.00		118	80-120			
Copper	56.1	10.0	"	50.0		112	80-120			
Lead	5.63	1.00	"	5.00		113	80-120			
Nickel	5.55	1.00	"	5.00		111	80-120			
Selenium	5.82	0.260	"	5.00		116	80-120			
Silver	5.93	0.100	"	5.00		119	80-120			
Zinc	54.9	37.0	"	50.0		110	80-120			
Matrix Spike (B4G2919-MS1)					Source: Y407706-03		Prepared: 07/29/2024 Analyzed: 07/30/2024			
Arsenic	6.20	0.277	mg/kg	4.78	1.47	98.9	75-125			
Barium	535	9.56	"	478	42.8	103	75-125			
Cadmium	5.39	0.0956	"	4.78	0.107	110	75-125			
Copper	54.5	9.56	"	47.8	3.81	106	75-125			
Lead	9.88	0.956	"	4.78	4.76	107	75-125			
Nickel	9.31	0.956	"	4.78	4.05	110	75-125			
Selenium	4.98	0.249	"	4.78	0.112	102	75-125			
Silver	5.44	0.0956	"	4.78	0.0135	114	75-125			
Zinc	68.4	35.4	"	47.8	20.5	100	75-125			
Matrix Spike Dup (B4G2919-MSD1)					Source: Y407706-03		Prepared: 07/29/2024 Analyzed: 07/30/2024			
Arsenic	6.61	0.259	mg/kg	4.46	1.47	115	75-125	6.49	20	
Barium	523	8.93	"	446	42.8	108	75-125	2.21	20	

Origins Laboratory, Inc.



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

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

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 B4G2919 - EPA 3050B

Matrix Spike Dup (B4G2919-MSD1)		Source: Y407706-03			Prepared: 07/29/2024 Analyzed: 07/30/2024					
Cadmium	5.36	0.0893	mg/kg	4.46	0.107	118	75-125	0.523	20	
Copper	53.4	8.93	"	44.6	3.81	111	75-125	1.97	20	
Lead	10.9	0.893	"	4.46	4.76	137	75-125	9.43	20	QM-07
Nickel	8.98	0.893	"	4.46	4.05	110	75-125	3.56	20	
Selenium	5.07	0.232	"	4.46	0.112	111	75-125	1.62	20	
Silver	5.32	0.0893	"	4.46	0.0135	119	75-125	2.23	20	
Zinc	66.8	33.0	"	44.6	20.5	104	75-125	2.36	20	

Origins Laboratory, Inc.



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8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Hudson 11-35A/Eichth O SA

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 B4G2914 - Saturated Paste pH/EC

Duplicate (B4G2914-DUP1)		Source: Y407670-12			Prepared: 07/29/2024 Analyzed: 07/29/2024					
pH	12.7		pH Units		12.7			0.0790	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

Dan Coloccia

Project Number: [none]

Project: KMG - Hudson 11-35A/Eichth O SA

Notes and Definitions

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

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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