



November 06, 2023

Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - HSR - Lillevand 10-3

Project Number - [none]

Attached are your analytical results for KMG - HSR - Lillevand 10-3 received by Origins Laboratory, Inc. October 05, 2023. This project is associated with Origins project number Y310171-01.

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 - HSR - Lillevand 10-3

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-B01@6'	Y310171-01	Soil	October 5, 2023 12:05	10/05/2023 17:00
FL-B01@4'	Y310171-02	Soil	October 5, 2023 12:06	10/05/2023 17:00
FL-B08@4'	Y310171-03	Soil	October 5, 2023 12:07	10/05/2023 17:00
FL-B03@4'	Y310171-04	Soil	October 5, 2023 12:08	10/05/2023 17:00
FL-B10@4'	Y310171-05	Soil	October 5, 2023 12:09	10/05/2023 17:00
WH-BG01@3'	Y310171-06	Soil	October 5, 2023 12:10	10/05/2023 17:00
WH-BG01@6'	Y310171-07	Soil	October 5, 2023 12:11	10/05/2023 17:00
WH-BG02@3'	Y310171-08	Soil	October 5, 2023 12:12	10/05/2023 17:00
WH-BG02@6'	Y310171-09	Soil	October 5, 2023 12:13	10/05/2023 17:00
WH-BG03@3'	Y310171-10	Soil	October 5, 2023 12:14	10/05/2023 17:00
WH-BG03@6'	Y310171-11	Soil	October 5, 2023 12:15	10/05/2023 17:00
WH-BG04@3'	Y310171-12	Soil	October 5, 2023 12:16	10/05/2023 17:00
WH-BG04@6'	Y310171-13	Soil	October 5, 2023 12:17	10/05/2023 17:00

Origins Laboratory, Inc.



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8000 W 44th Ave
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Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

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ORIGINS
LABORATORY, INC

www.originslaboratory.com

Initial **VCB/TH**

page 1 of 2

Client: Eagle Environmental LLC
Address: 8000 W 44th Ave.
Telephone Number: (303) 433-0119
Email Address: dan.coloccia@eagle-enviro.com
Project Manager: D. Coloccia
Project Name: HSR - Lillevand 10-3
Project Number: ---
Samples Collected By: TH

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	BTEX-N	THMs		TPH	PM10
WH-060105	10/5/23	1205	3	X				X							1	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"/>
FL-060104		1206	1												2	
FL-060804		1207	1												3	
FL-060304		1208	1												4	
FL-061004		1209	1												5	
WH-060103		1210	2												6	
WH-060105		1211	1												7	
WH-060203		1212	1												8	
WH-060205		1213	1												9	
WH-060303		1214	1												10	
Relinquished By: <u>TH</u>	Date: <u>10/5/23</u>	Time: <u>1700</u>	Received By: <u>TH</u>	Date: <u>10/5/23</u>	Time: <u>1700</u>	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"/>										
Relinquished By:	Date:	Time:	Received By:	Date:	Time:											

Temp Received- **3**

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 - HSR - Lillevand 10-3

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page 2 of 2

Client: Eagle Environmental LLC

Address: 8000 W 44th Ave

Wheat Ridge, CO 80033

Telephone Number: (303) 433-0419

Email Address: dcoloccia@eagle-environment.com

Project Manager: D. Coloccia

Project Name: HSR - Lillevand 10-3

Project Number: -

Samples Collected By: HA

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	
NH-0604006	10/5/23	1215	2	X					X		Boron	1
NH-0604003	1	1216	1								phthal	2
NH-0604006	1	1217	1								SPR	3
												4
												5
												6
												7
												8
												9
												10

Relinquished By: HA

Date: 10/5/23

Time: 1700

Received By: HA

Date: 10/5/23

Time: 1700

Temp Received - 3

Date Results Needed

Turnaround Time:
Same Day ☒ 24 Hr ☐
48 Hr ☐ 72 Hr ☐
Standard ☐

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 - HSR - Lillevand 10-3

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 431071

Client: Eagle
Client Project ID: Lillevand 10-3

Checklist Completed by: EHS

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

Date/time completed: 10/5/23

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

Cooler Number/Temperature: 1/3 °C 1 °C 1 °C (Describe) _____ °C

Thermometer ID: T004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<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 (> 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.

Eagle
Reviewed by (Project Manager)

10/5/23
Date/Time Reviewed

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 - HSR - Lillevand 10-3

WH-B01@6'

10/5/2023 12:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310171-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.138	0.100	mg/L	1	B3J0616	KAP	10/06/2023	10/10/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3J0525	ZZZ	10/05/2023	10/06/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	85.9 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3J0526	JSM	10/05/2023	10/06/2023	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	103 %	70-130			"	"	"
Surrogate: Toluene-d8	101 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	102 %	70-130			"	"	"

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Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

WH-B01@6'

10/5/2023 12:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310171-01 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	2.88	0.499	meq/L	10	[CALC]	KAP	10/06/2023	10/09/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	0.684	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	10.2		pH Units	1	B3J0621	ACN	10/06/2023	10/07/2023
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SAR by 20B Saturated Paste

SAR	0.564	0.0100	SAR	1	B3J0613	KAP	10/06/2023	10/09/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.681	0.00500	mmhos/cm	1	B3J0621	ACN	10/06/2023	10/07/2023
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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

FL-B01@4'

10/5/2023 12:06:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310171-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.103	0.100	mg/L	1	B3J0616	KAP	10/06/2023	10/10/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3J0525	ZZZ	10/05/2023	10/06/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	89.4 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3J0526	JSM	10/05/2023	10/06/2023	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	103 %	70-130			"	"	"
Surrogate: Toluene-d8	100 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	100 %	70-130			"	"	"

Origins Laboratory, Inc.



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8000 W 44th Ave
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Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

FL-B01@4'

10/5/2023 12:06:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310171-02 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	0.828	0.499	meq/L	10	[CALC]	KAP	10/06/2023	10/09/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	ND	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	6.50		pH Units	1	B3J0621	ACN	10/06/2023	10/07/2023
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SAR by 20B Saturated Paste

SAR	0.108	0.0100	SAR	1	B3J0613	KAP	10/06/2023	10/09/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.500	0.00500	mmhos/cm	1	B3J0621	ACN	10/06/2023	10/07/2023
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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

FL-B08@4'

10/5/2023 12:07:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310171-03 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.0995	mg/L	1	B3J0616	KAP	10/06/2023	10/10/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3J0525	ZZZ	10/05/2023	10/06/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	88.5 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3J0526	JSM	10/05/2023	10/06/2023	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	102 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	99.2 %	70-130			"	"	"

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 - HSR - Lillevand 10-3

FL-B08@4'

10/5/2023 12:07:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310171-03 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	KAP	10/06/2023	10/09/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	ND	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	6.64		pH Units	1	B3J0621	ACN	10/06/2023	10/07/2023
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SAR by 20B Saturated Paste

SAR	0.142	0.0100	SAR	1	B3J0613	KAP	10/06/2023	10/09/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.240	0.00500	mmhos/cm	1	B3J0621	ACN	10/06/2023	10/07/2023
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8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

FL-B03@4'

10/5/2023 12:08:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310171-04 (Soil)

Boron (DTPA Sorbitol)

Boron	0.548	0.101	mg/L	1	B3J0616	KAP	10/06/2023	10/10/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3J0525	ZZZ	10/05/2023	10/06/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	85.6 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3J0526	JSM	10/05/2023	10/06/2023	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	108 %	70-130			"	"	"
Surrogate: Toluene-d8	101 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	103 %	70-130			"	"	"

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 - HSR - Lillevand 10-3

FL-B03@4'

10/5/2023 12:08:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310171-04 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	6.24	0.499	meq/L	10	[CALC]	KAP	10/06/2023	10/09/2023
Magnesium	3.88	0.823	"	"	"	KAP	"	"
Sodium	7.00	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.04		pH Units	1	B3J0621	ACN	10/06/2023	10/07/2023
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SAR by 20B Saturated Paste

SAR	3.11	0.0100	SAR	1	B3J0613	KAP	10/06/2023	10/09/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.05	0.00500	mmhos/cm	1	B3J0621	ACN	10/06/2023	10/07/2023
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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 - HSR - Lillevand 10-3

FL-B10@4'

10/5/2023 12:09:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310171-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.177	0.0989	mg/L	1	B3J0616	KAP	10/06/2023	10/10/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3J0525	ZZZ	10/05/2023	10/06/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	87.0 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3J0526	JSM	10/05/2023	10/06/2023	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	100 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	102 %	70-130			"	"	"

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 - HSR - Lillevand 10-3

FL-B10@4'

10/5/2023 12:09:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310171-05 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	6.79	0.499	meq/L	10	[CALC]	KAP	10/06/2023	10/09/2023
Magnesium	3.25	0.823	"	"	"	KAP	"	"
Sodium	4.50	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.00		pH Units	1	B3J0621	ACN	10/06/2023	10/07/2023
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SAR by 20B Saturated Paste

SAR	2.01	0.0100	SAR	1	B3J0613	KAP	10/06/2023	10/09/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.74	0.00500	mmhos/cm	1	B3J0621	ACN	10/06/2023	10/07/2023
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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 - HSR - Lillevand 10-3

WH-BG01@3'

10/5/2023 12:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310171-06 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.0999	mg/L	1	B3J0616	KAP	10/06/2023	10/10/2023
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Metals by Saturated Paste by EPA 6010

Calcium	0.509	0.499	meq/L	10	[CALC]	KAP	10/06/2023	10/09/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	ND	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.23		pH Units	1	B3J0621	ACN	10/06/2023	10/07/2023
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SAR by 20B Saturated Paste

SAR	0.473	0.0100	SAR	1	B3J0613	KAP	10/06/2023	10/09/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.791	0.00500	mmhos/cm	1	B3J0621	ACN	10/06/2023	10/07/2023
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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 - HSR - Lillevand 10-3

WH-BG01@6'

10/5/2023 12:11:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310171-07 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.0982	mg/L	1	B3J0617	KAP	10/06/2023	10/10/2023
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Metals by Saturated Paste by EPA 6010

Calcium	1.81	0.499	meq/L	10	[CALC]	KAP	10/06/2023	10/09/2023
Magnesium	1.10	0.823	"	"	"	KAP	"	"
Sodium	1.01	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	7.59		pH Units	1	B3J0621	ACN	10/06/2023	10/07/2023
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SAR by 20B Saturated Paste

SAR	0.838	0.0100	SAR	1	B3J0613	KAP	10/06/2023	10/09/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.18	0.00500	mmhos/cm	1	B3J0621	ACN	10/06/2023	10/07/2023
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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 - HSR - Lillevand 10-3

WH-BG02@3'

10/5/2023 12:12:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310171-08 (Soil)

Boron (DTPA Sorbitol)

Boron	0.212	0.0996	mg/L	1	B3J0617	KAP	10/06/2023	10/10/2023
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Metals by Saturated Paste by EPA 6010

Calcium	3.70	0.499	meq/L	10	[CALC]	KAP	10/06/2023	10/09/2023
Magnesium	1.33	0.823	"	"	"	KAP	"	"
Sodium	ND	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	7.96		pH Units	1	B3J0621	ACN	10/06/2023	10/07/2023
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SAR by 20B Saturated Paste

SAR	0.215	0.0100	SAR	1	B3J0613	KAP	10/06/2023	10/09/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.779	0.00500	mmhos/cm	1	B3J0621	ACN	10/06/2023	10/07/2023
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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 - HSR - Lillevand 10-3

WH-BG02@6'

10/5/2023 12:13:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310171-09 (Soil)

Boron (DTPA Sorbitol)

Boron	0.169	0.0983	mg/L	1	B3J0617	KAP	10/06/2023	10/10/2023
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Metals by Saturated Paste by EPA 6010

Calcium	3.40	0.499	meq/L	10	[CALC]	KAP	10/06/2023	10/09/2023
Magnesium	1.40	0.823	"	"	"	KAP	"	"
Sodium	2.22	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	7.90		pH Units	1	B3J0621	ACN	10/06/2023	10/07/2023
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SAR by 20B Saturated Paste

SAR	1.43	0.0100	SAR	1	B3J0613	KAP	10/06/2023	10/09/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.910	0.00500	mmhos/cm	1	B3J0621	ACN	10/06/2023	10/07/2023
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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 - HSR - Lillevand 10-3

WH-BG03@3'

10/5/2023 12:14:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310171-10 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.0991	mg/L	1	B3J0617	KAP	10/06/2023	10/10/2023
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Metals by Saturated Paste by EPA 6010

Calcium	0.508	0.499	meq/L	10	[CALC]	KAP	10/06/2023	10/09/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	ND	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	6.83		pH Units	1	B3J0621	ACN	10/06/2023	10/07/2023
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SAR by 20B Saturated Paste

SAR	0.304	0.0100	SAR	1	B3J0613	KAP	10/06/2023	10/09/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.260	0.00500	mmhos/cm	1	B3J0621	ACN	10/06/2023	10/07/2023
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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 - HSR - Lillevand 10-3

WH-BG03@6'

10/5/2023 12:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310171-11 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.0983	mg/L	1	B3J0617	KAP	10/06/2023	10/10/2023
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Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	KAP	10/06/2023	10/09/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	ND	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	7.02		pH Units	1	B3J0622	ACN	10/06/2023	10/07/2023
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SAR by 20B Saturated Paste

SAR	0.249	0.0100	SAR	1	B3J0614	KAP	10/06/2023	10/09/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.170	0.00500	mmhos/cm	1	B3J0622	ACN	10/06/2023	10/07/2023
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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 - HSR - Lillevand 10-3

WH-BG04@3'

10/5/2023 12:16:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310171-12 (Soil)

Boron (DTPA Sorbitol)

Boron	0.161	0.0995	mg/L	1	B3J0617	KAP	10/06/2023	10/10/2023
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Metals by Saturated Paste by EPA 6010

Calcium	0.724	0.499	meq/L	10	[CALC]	KAP	10/06/2023	10/09/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	1.73	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.03		pH Units	1	B3J0622	ACN	10/06/2023	10/07/2023
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SAR by 20B Saturated Paste

SAR	2.40	0.0100	SAR	1	B3J0614	KAP	10/06/2023	10/09/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.759	0.00500	mmhos/cm	1	B3J0622	ACN	10/06/2023	10/07/2023
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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 - HSR - Lillevand 10-3

WH-BG04@6'

10/5/2023 12:17:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310171-13 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.0996	mg/L	1	B3J0617	KAP	10/06/2023	10/10/2023
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Metals by Saturated Paste by EPA 6010

Calcium	2.87	0.499	meq/L	10	[CALC]	KAP	10/06/2023	10/09/2023
Magnesium	1.29	0.823	"	"	"	KAP	"	"
Sodium	3.49	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	7.98		pH Units	1	B3J0622	ACN	10/06/2023	10/07/2023
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SAR by 20B Saturated Paste

SAR	2.42	0.0100	SAR	1	B3J0614	KAP	10/06/2023	10/09/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.30	0.00500	mmhos/cm	1	B3J0622	ACN	10/06/2023	10/07/2023
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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 - HSR - Lillevand 10-3

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 B3J0525 - EPA 3550B										
Blank (B3J0525-BLK1)					Prepared: 10/05/2023 Analyzed: 10/05/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	21		"	24.9		84.3	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 - HSR - Lillevand 10-3

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 B3J0525 - EPA 3550B										
LCS (B3J0525-BS1)					Prepared: 10/05/2023 Analyzed: 10/05/2023					
Diesel (C10-C28)	828	50.0	mg/kg	1000		82.8	70-130			
Residual Range Organics (C28-C40)	918	200	"	1000		91.8	70-130			
Surrogate: o-Terphenyl	48		"	49.8		96.2	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 - HSR - Lillevand 10-3

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 B3J0525 - EPA 3550B

Matrix Spike (B3J0525-MS1)		Source: Y310163-01			Prepared: 10/05/2023 Analyzed: 10/05/2023					
Diesel (C10-C28)	848	50.0	mg/kg	1000	ND	84.8	70-130			
Residual Range Organics (C28-C40)	935	200	"	1000	ND	93.5	70-130			
Surrogate: o-Terphenyl	39		"	49.8		77.5	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 - HSR - Lillevand 10-3

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 B3J0525 - EPA 3550B										
Matrix Spike Dup (B3J0525-MSD1)		Source: Y310163-01			Prepared: 10/05/2023 Analyzed: 10/05/2023					
Diesel (C10-C28)	880	50.0	mg/kg	1000	ND	88.0	70-130	3.68	35	
Residual Range Organics (C28-C40)	947	200	"	1000	ND	94.7	70-130	1.20	35	
Surrogate: o-Terphenyl	41		"	49.8		81.9	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.

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

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 B3J0526 - EPA 5030 (soil)										
Blank (B3J0526-BLK1)					Prepared: 10/05/2023 Analyzed: 10/05/2023					
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		101	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		103	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 - HSR - Lillevand 10-3

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 B3J0526 - EPA 5030 (soil)										
LCS (B3J0526-BS1)					Prepared: 10/05/2023 Analyzed: 10/05/2023					
1,2,4-Trimethylbenzene	0.0931	0.00200	mg/kg	0.100		93.1	70-130			
1,3,5-Trimethylbenzene	0.0927	0.00200	"	0.100		92.7	70-130			
Benzene	0.0854	0.00200	"	0.100		85.4	70-130			
Ethylbenzene	0.0907	0.00200	"	0.100		90.7	70-130			
Naphthalene	0.0893	0.00380	"	0.100		89.3	70-130			
Toluene	0.0881	0.00200	"	0.100		88.1	70-130			
o-Xylene	0.0929	0.00200	"	0.100		92.9	70-130			
m,p-Xylene	0.167	0.00400	"	0.200		83.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		103	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		107	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 - HSR - Lillevand 10-3

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 B3J0526 - EPA 5030 (soil)										
Matrix Spike (B3J0526-MS1)		Source: Y310163-01			Prepared: 10/05/2023 Analyzed: 10/06/2023					
1,2,4-Trimethylbenzene	0.0919	0.00200	mg/kg	0.100	ND	91.9	70-130			
1,3,5-Trimethylbenzene	0.0919	0.00200	"	0.100	ND	91.9	70-130			
Benzene	0.101	0.00200	"	0.100	ND	101	70-130			
Ethylbenzene	0.0925	0.00200	"	0.100	ND	92.5	70-130			
Naphthalene	0.0894	0.00380	"	0.100	ND	89.4	70-130			
Toluene	0.0914	0.00200	"	0.100	ND	91.4	70-130			
o-Xylene	0.101	0.00200	"	0.100	ND	101	70-130			
m,p-Xylene	0.194	0.00400	"	0.200	ND	96.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		105	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		93.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.4	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 - HSR - Lillevand 10-3

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 B3J0526 - EPA 5030 (soil)										
Matrix Spike Dup (B3J0526-MSD1)		Source: Y310163-01			Prepared: 10/05/2023 Analyzed: 10/06/2023					
1,2,4-Trimethylbenzene	0.0789	0.00200	mg/kg	0.100	ND	78.9	70-130	15.3	20	
1,3,5-Trimethylbenzene	0.0791	0.00200	"	0.100	ND	79.1	70-130	15.1	20	
Benzene	0.0896	0.00200	"	0.100	ND	89.6	70-130	11.6	20	
Ethylbenzene	0.0802	0.00200	"	0.100	ND	80.2	70-130	14.3	20	
Naphthalene	0.0777	0.00380	"	0.100	ND	77.7	70-130	13.9	20	
Toluene	0.0811	0.00200	"	0.100	ND	81.1	70-130	11.8	20	
o-Xylene	0.0887	0.00200	"	0.100	ND	88.7	70-130	12.8	20	
m,p-Xylene	0.168	0.00400	"	0.200	ND	84.2	70-130	14.0	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		104	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		93.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	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 - HSR - Lillevand 10-3

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 B3J0613 - Saturated Paste Metals

Blank (B3J0613-BLK1)

Prepared: 10/06/2023 Analyzed: 10/09/2023

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

Duplicate (B3J0613-DUP1)

Source: Y310167-01

Prepared: 10/06/2023 Analyzed: 10/09/2023

SAR	ND	0.0100	SAR	5.04	200
Calcium PPM	3.71	10.0	mg/L	2.70	31.5 50
Magnesium PPM	4.66	10.0	"	3.19	37.5 50
Sodium PPM	64.8	10.0	"	51.6	22.6 50

Batch B3J0614 - Saturated Paste Metals

Blank (B3J0614-BLK1)

Prepared: 10/06/2023 Analyzed: 10/09/2023

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 (B3J0614-DUP1)

Source: Y310171-11

Prepared: 10/06/2023 Analyzed: 10/09/2023

Calcium PPM	7.53	10.0	mg/L	5.63	28.9 50
SAR	ND	0.0100	SAR	0.249	200

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 - HSR - Lillevand 10-3

Classical Chemistry Parameters - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3J0614 - Saturated Paste Metals										
Duplicate (B3J0614-DUP1)		Source: Y310171-11			Prepared: 10/06/2023 Analyzed: 10/09/2023					
Magnesium PPM	1.74	10.0	mg/L		1.67			4.11	50	
Sodium PPM	2.16	10.0	"		2.62			19.2	50	
Batch B3J0616 - DTPA Sorbitol Preparation										
Blank (B3J0616-BLK1)		Prepared: 10/06/2023 Analyzed: 10/10/2023								
Boron	ND	0.100	mg/L							
Duplicate (B3J0616-DUP1)		Source: Y310162-01			Prepared: 10/06/2023 Analyzed: 10/10/2023					
Boron	1.17	0.0991	mg/L		0.949			21.1	50	
Batch B3J0617 - DTPA Sorbitol Preparation										
Blank (B3J0617-BLK1)		Prepared: 10/06/2023 Analyzed: 10/10/2023								
Boron	ND	0.100	mg/L							
Duplicate (B3J0617-DUP1)		Source: Y310171-07			Prepared: 10/06/2023 Analyzed: 10/10/2023					
Boron	0.104	0.0986	mg/L		0.0413			86.7	50	QR-DUP

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 - HSR - Lillevand 10-3

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 B3J0621 - Saturated Paste pH/EC

Blank (B3J0621-BLK1)

Prepared: 10/06/2023 Analyzed: 10/07/2023

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B3J0621-DUP1)

Source: Y310167-01

Prepared: 10/06/2023 Analyzed: 10/07/2023

Specific Conductance (EC)	0.385	0.00500	mmhos/cm	0.330	15.4	25
pH	8.59		pH Units	8.71	1.39	25

Batch B3J0622 - Saturated Paste pH/EC

Blank (B3J0622-BLK1)

Prepared: 10/06/2023 Analyzed: 10/07/2023

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B3J0622-DUP1)

Source: Y310171-11

Prepared: 10/06/2023 Analyzed: 10/07/2023

pH	7.17		pH Units	7.02	2.11	25
Specific Conductance (EC)	0.166	0.00500	mmhos/cm	0.170	2.26	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 - HSR - Lillevand 10-3

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 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.

Jordan A. Bynon, Project Manager



November 22, 2023

Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - HSR - Lillevand 10-3

Project Number - [none]

Attached are your analytical results for KMG - HSR - Lillevand 10-3 received by Origins Laboratory, Inc. October 06, 2023. This project is associated with Origins project number Y310219-01.

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 - HSR - Lillevand 10-3

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL-B17@3'	Y310219-01	Soil	October 6, 2023 12:45	10/06/2023 14:40
FL-B18@3'	Y310219-02	Soil	October 6, 2023 12:47	10/06/2023 14:40
FL-B27@3'	Y310219-03	Soil	October 6, 2023 12:49	10/06/2023 14:40
FL-B28@3'	Y310219-04	Soil	October 6, 2023 12:51	10/06/2023 14:40
FL-B31@3'	Y310219-05	Soil	October 6, 2023 12:53	10/06/2023 14:40
FL-B32@3'	Y310219-06	Soil	October 6, 2023 12:55	10/06/2023 14:40

pH rerun on sample FL-B17@3' per the phone call from Allie on 11/06/23. JEP No errors were found in the original data, all results are reported. JAB

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 - HSR - Lillevand 10-3

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

ORIGINS
LABORATORY, INC

www.originslaboratory.com

page 1 of 1

Client: Eagle Environmental LLC
Address: 8000 W 44th Ave
Wheat Ridge, CO 80033
Telephone Number: 303.433.0419
Email Address: dcoloccia@origins-lab.com
Project Manager: D. Coloccia
Project Name: HSR - Lillevand 10-3
Project Number: 111111
Samples Collected By: HA

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative			Matrix			Analysis			Sample Instructions
				HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #	Other			
EL-011003	10/10/23	1245	3	X				X				BTEX-N	
EL-018003		1241	1									THM8	
EL-021003		1249	1									TPH	
EL-028003		1251	1									BTEX-N	
EL-031003		1253	1									PHEN	
EL-032003		1255	1									THM8	

Relinquished By: HA Date: 10/16/23 Time: 1440
Received By: HA Date: 10/16/23 Time: 1440
Turnaround Time: ☒ Same Day ☐ 24 Hr ☐ 48 Hr ☐ 72 Hr
Standard ☐

Temp Received: 6 Date Results Needed: 10/16/23

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 - HSR - Lillevand 10-3

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: YB10219

Client: Eagle

Client Project ID: HSR-Lillevand 10-3

Checklist Completed by: JSM/ESH

Shipped Via: FED

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

Date/time completed: 10/6/23

Airbill #: N/A

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

Cooler Number/Temperature: 1, 6 °C 1 °C 1 °C 1 °C (Describe)

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 (> 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.

Reviewed by (Project Manager) [Signature]

Date/Time Reviewed 10/6/23

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 - HSR - Lillevand 10-3

FL-B17@3'

10/6/2023 12:45:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310219-01 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.100	mg/L	1	B3J0913	KAP	10/09/2023	10/11/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3J0602	ZZZ	10/06/2023	10/06/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	101 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3J0631	HK	10/06/2023	10/06/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HK	"	"	U
Benzene	ND	0.00200	"	"	"	HK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	HK	"	"	U
Naphthalene	ND	0.00380	"	"	"	HK	"	"	U
Toluene	ND	0.00200	"	"	"	HK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	HK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	111 %	70-130			"	"	"
Surrogate: Toluene-d8	98.1 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	94.7 %	70-130			"	"	"

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 - HSR - Lillevand 10-3

FL-B17@3'

10/6/2023 12:45:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310219-01 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	2.46	0.499	meq/L	10	[CALC]	KAP	10/07/2023	10/09/2023
Magnesium	0.834	0.823	"	"	"	KAP	"	"
Sodium	ND	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	5.68		pH Units	1	B3J0706	ACN	10/07/2023	10/08/2023
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SAR by 20B Saturated Paste

SAR	0.0586	0.0100	SAR	1	B3J0702	KAP	10/07/2023	10/09/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.505	0.00500	mmhos/cm	1	B3J0706	ACN	10/07/2023	10/08/2023
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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 - HSR - Lillevand 10-3

FL-B17@3'

10/6/2023 12:45:00PM

Analyte	Result	Reporting	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.
Y310219-01RE1 (Soil)

pH in Soil by 9045D

pH	5.79	pH Units	1	B3K0723	EAL	10/07/2023	11/09/2023
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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 - HSR - Lillevand 10-3

FL-B17@3'

10/6/2023 12:45:00PM

Analyte	Result	Reporting	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.
Y310219-01RE2 (Soil)

pH in Soil by 9045D

pH	5.97	pH Units	1	B3K0723	EAL	10/07/2023	11/09/2023
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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 - HSR - Lillevand 10-3

FL-B18@3'

10/6/2023 12:47:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310219-02 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.101	mg/L	1	B3J0913	KAP	10/09/2023	10/11/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3J0602	ZZZ	10/06/2023	10/06/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	95.5 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3J0631	HK	10/06/2023	10/06/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HK	"	"	U
Benzene	ND	0.00200	"	"	"	HK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	HK	"	"	U
Naphthalene	ND	0.00380	"	"	"	HK	"	"	U
Toluene	ND	0.00200	"	"	"	HK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	HK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	112 %	70-130			"	"	"
Surrogate: Toluene-d8	98.3 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	92.9 %	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 - HSR - Lillevand 10-3

FL-B18@3'

10/6/2023 12:47:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310219-02 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	5.40	0.499	meq/L	10	[CALC]	KAP	10/07/2023	10/09/2023
Magnesium	1.38	0.823	"	"	"	KAP	"	"
Sodium	ND	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	5.17		pH Units	1	B3J0706	ACN	10/07/2023	10/08/2023
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SAR by 20B Saturated Paste

SAR	0.105	0.0100	SAR	1	B3J0702	KAP	10/07/2023	10/09/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.784	0.00500	mmhos/cm	1	B3J0706	ACN	10/07/2023	10/08/2023
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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 - HSR - Lillevand 10-3

FL-B27@3'

10/6/2023 12:49:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310219-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.206	0.0996	mg/L	1	B3J0913	KAP	10/09/2023	10/11/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3J0602	ZZZ	10/06/2023	10/06/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	91.7 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3J0631	HK	10/06/2023	10/06/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HK	"	"	U
Benzene	ND	0.00200	"	"	"	HK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	HK	"	"	U
Naphthalene	ND	0.00380	"	"	"	HK	"	"	U
Toluene	ND	0.00200	"	"	"	HK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	HK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	112 %	70-130			"	"	"
Surrogate: Toluene-d8	97.5 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	92.4 %	70-130			"	"	"

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 - HSR - Lillevand 10-3

FL-B27@3'

10/6/2023 12:49:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310219-03 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	4.73	0.499	meq/L	10	[CALC]	KAP	10/07/2023	10/09/2023
Magnesium	1.47	0.823	"	"	"	KAP	"	"
Sodium	ND	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	7.58		pH Units	1	B3J0706	ACN	10/07/2023	10/08/2023
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SAR by 20B Saturated Paste

SAR	0.0818	0.0100	SAR	1	B3J0702	KAP	10/07/2023	10/09/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.781	0.00500	mmhos/cm	1	B3J0706	ACN	10/07/2023	10/08/2023
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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 - HSR - Lillevand 10-3

FL-B28@3'

10/6/2023 12:51:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310219-04 (Soil)

Boron (DTPA Sorbitol)

Boron	0.141	0.0990	mg/L	1	B3J0913	KAP	10/09/2023	10/11/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3J0602	ZZZ	10/06/2023	10/06/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	91.0 %	50-150			"	"	"		
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3J0631	HK	10/06/2023	10/06/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HK	"	"	U
Benzene	ND	0.00200	"	"	"	HK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	HK	"	"	U
Naphthalene	ND	0.00380	"	"	"	HK	"	"	U
Toluene	ND	0.00200	"	"	"	HK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	HK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	113 %	70-130			"	"	"		
Surrogate: Toluene-d8	97.6 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	92.5 %	70-130			"	"	"	"	

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 - HSR - Lillevand 10-3

FL-B28@3'

10/6/2023 12:51:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310219-04 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	1.74	0.499	meq/L	10	[CALC]	KAP	10/07/2023	10/09/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	ND	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.08		pH Units	1	B3J0706	ACN	10/07/2023	10/08/2023
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SAR by 20B Saturated Paste

SAR	0.230	0.0100	SAR	1	B3J0702	KAP	10/07/2023	10/09/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.323	0.00500	mmhos/cm	1	B3J0706	ACN	10/07/2023	10/08/2023
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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 - HSR - Lillevand 10-3

FL-B31@3'

10/6/2023 12:53:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310219-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.259	0.0996	mg/L	1	B3J0913	KAP	10/09/2023	10/11/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3J0602	ZZZ	10/06/2023	10/06/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	87.2 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3J0631	HK	10/06/2023	10/06/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HK	"	"	U
Benzene	ND	0.00200	"	"	"	HK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	HK	"	"	U
Naphthalene	ND	0.00380	"	"	"	HK	"	"	U
Toluene	ND	0.00200	"	"	"	HK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	HK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	115 %	70-130			"	"	"
Surrogate: Toluene-d8	98.9 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	92.9 %	70-130			"	"	"

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 - HSR - Lillevand 10-3

FL-B31@3'

10/6/2023 12:53:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310219-05 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	2.62	0.499	meq/L	10	[CALC]	KAP	10/07/2023	10/09/2023
Magnesium	1.52	0.823	"	"	"	KAP	"	"
Sodium	ND	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.11		pH Units	1	B3J0706	ACN	10/07/2023	10/08/2023
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SAR by 20B Saturated Paste

SAR	0.282	0.0100	SAR	1	B3J0702	KAP	10/07/2023	10/09/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.491	0.00500	mmhos/cm	1	B3J0706	ACN	10/07/2023	10/08/2023
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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 - HSR - Lillevand 10-3

FL-B32@3'

10/6/2023 12:55:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310219-06 (Soil)

Boron (DTPA Sorbitol)

Boron	0.241	0.100	mg/L	1	B3J0913	KAP	10/09/2023	10/11/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3J0602	ZZZ	10/06/2023	10/06/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	92.5 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3J0631	HK	10/06/2023	10/06/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HK	"	"	U
Benzene	ND	0.00200	"	"	"	HK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	HK	"	"	U
Naphthalene	ND	0.00380	"	"	"	HK	"	"	U
Toluene	ND	0.00200	"	"	"	HK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	HK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	115 %	70-130			"	"	"
Surrogate: Toluene-d8	96.5 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	93.2 %	70-130			"	"	"

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 - HSR - Lillevand 10-3

FL-B32@3'

10/6/2023 12:55:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310219-06 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	2.40	0.499	meq/L	10	[CALC]	KAP	10/07/2023	10/09/2023
Magnesium	1.10	0.823	"	"	"	KAP	"	"
Sodium	ND	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	7.92		pH Units	1	B3J0706	ACN	10/07/2023	10/08/2023
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SAR by 20B Saturated Paste

SAR	0.127	0.0100	SAR	1	B3J0702	KAP	10/07/2023	10/09/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.460	0.00500	mmhos/cm	1	B3J0706	ACN	10/07/2023	10/08/2023
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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 - HSR - Lillevand 10-3

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 B3J0602 - EPA 3550B										
Blank (B3J0602-BLK1)					Prepared: 10/06/2023 Analyzed: 10/06/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	24		"	24.9		95.1	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 - HSR - Lillevand 10-3

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 B3J0602 - EPA 3550B										
LCS (B3J0602-BS1)					Prepared: 10/06/2023 Analyzed: 10/06/2023					
Diesel (C10-C28)	952	50.0	mg/kg	1000		95.2	70-130			
Residual Range Organics (C28-C40)	988	200	"	1000		98.8	70-130			
Surrogate: o-Terphenyl	57		"	49.8		114	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.

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

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 B3J0602 - EPA 3550B

Matrix Spike (B3J0602-MS1)		Source: Y310217-01			Prepared: 10/06/2023 Analyzed: 10/06/2023					
Diesel (C10-C28)	981	50.0	mg/kg	1000	ND	98.1	70-130			
Residual Range Organics (C28-C40)	1020	200	"	1000	ND	102	70-130			
Surrogate: o-Terphenyl	53		"	49.8		107	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.

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

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 B3J0602 - EPA 3550B										
Matrix Spike Dup (B3J0602-MSD1)		Source: Y310217-01			Prepared: 10/06/2023 Analyzed: 10/06/2023					
Diesel (C10-C28)	1080	50.0	mg/kg	1000	ND	108	70-130	9.44	35	
Residual Range Organics (C28-C40)	1130	200	"	1000	ND	113	70-130	10.5	35	
Surrogate: o-Terphenyl	54		"	49.8		108	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 - HSR - Lillevand 10-3

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 B3J0631 - EPA 5030 (soil)										
Blank (B3J0631-BLK1)					Prepared: 10/06/2023 Analyzed: 10/06/2023					
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		106	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		92.4	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 - HSR - Lillevand 10-3

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 B3J0631 - EPA 5030 (soil)										
LCS (B3J0631-BS1)					Prepared: 10/06/2023 Analyzed: 10/06/2023					
1,2,4-Trimethylbenzene	0.0885	0.00200	mg/kg	0.100		88.5	70-130			
1,3,5-Trimethylbenzene	0.0892	0.00200	"	0.100		89.2	70-130			
Benzene	0.0810	0.00200	"	0.100		81.0	70-130			
Ethylbenzene	0.0830	0.00200	"	0.100		83.0	70-130			
Naphthalene	0.0862	0.00380	"	0.100		86.2	70-130			
Toluene	0.0841	0.00200	"	0.100		84.1	70-130			
o-Xylene	0.0934	0.00200	"	0.100		93.4	70-130			
m,p-Xylene	0.176	0.00400	"	0.200		87.9	70-130			
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		94.3	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 - HSR - Lillevand 10-3

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 B3J0631 - EPA 5030 (soil)										
Matrix Spike (B3J0631-MS1)		Source: Y310217-01			Prepared: 10/06/2023 Analyzed: 10/06/2023					
1,2,4-Trimethylbenzene	0.0882	0.00200	mg/kg	0.100	ND	88.2	70-130			
1,3,5-Trimethylbenzene	0.0875	0.00200	"	0.100	ND	87.5	70-130			
Benzene	0.0835	0.00200	"	0.100	0.00152	82.0	70-130			
Ethylbenzene	0.0828	0.00200	"	0.100	ND	82.8	70-130			
Naphthalene	0.0856	0.00380	"	0.100	ND	85.6	70-130			
Toluene	0.0841	0.00200	"	0.100	ND	84.1	70-130			
o-Xylene	0.0928	0.00200	"	0.100	ND	92.8	70-130			
m,p-Xylene	0.175	0.00400	"	0.200	ND	87.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		105	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		93.7	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 - HSR - Lillevand 10-3

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 B3J0631 - EPA 5030 (soil)										
Matrix Spike Dup (B3J0631-MSD1)		Source: Y310217-01			Prepared: 10/06/2023 Analyzed: 10/06/2023					
1,2,4-Trimethylbenzene	0.0834	0.00200	mg/kg	0.100	ND	83.4	70-130	5.59	20	
1,3,5-Trimethylbenzene	0.0830	0.00200	"	0.100	ND	83.0	70-130	5.25	20	
Benzene	0.0797	0.00200	"	0.100	0.00152	78.2	70-130	4.66	20	
Ethylbenzene	0.0777	0.00200	"	0.100	ND	77.7	70-130	6.35	20	
Naphthalene	0.0827	0.00380	"	0.100	ND	82.7	70-130	3.45	20	
Toluene	0.0796	0.00200	"	0.100	ND	79.6	70-130	5.57	20	
o-Xylene	0.0875	0.00200	"	0.100	ND	87.5	70-130	5.85	20	
m,p-Xylene	0.164	0.00400	"	0.200	ND	82.2	70-130	6.47	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		105	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		100	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 - HSR - Lillevand 10-3

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 B3J0702 - Saturated Paste Metals

Blank (B3J0702-BLK1)

Prepared: 10/07/2023 Analyzed: 10/09/2023

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 (B3J0702-DUP1)

Source: Y310217-01

Prepared: 10/07/2023 Analyzed: 10/09/2023

Calcium PPM	42.4	10.0	mg/L	41.9	1.04	50
SAR	ND	0.0100	SAR	1.03		200
Magnesium PPM	14.7	10.0	mg/L	14.4	1.99	50
Sodium PPM	30.8	10.0	"	30.2	1.84	50

Batch B3J0913 - DTPA Sorbitol Preparation

Blank (B3J0913-BLK1)

Prepared: 10/09/2023 Analyzed: 10/11/2023

Boron	ND	0.100	mg/L
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Duplicate (B3J0913-DUP1)

Source: Y310217-01

Prepared: 10/09/2023 Analyzed: 10/11/2023

Boron	0.0737	0.101	mg/L	0.0726	1.60	50
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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 - HSR - Lillevand 10-3

Saturated Paste - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3J0706 - Saturated Paste pH/EC										
Blank (B3J0706-BLK1)					Prepared: 10/07/2023 Analyzed: 10/08/2023					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
Duplicate (B3J0706-DUP1)					Source: Y310217-01 Prepared: 10/07/2023 Analyzed: 10/08/2023					
pH	7.73		pH Units		7.74			0.129	25	
Specific Conductance (EC)	0.470	0.00500	mmhos/cm		0.467			0.577	25	
Batch B3K0723 - Saturated Paste pH/EC										
Duplicate (B3K0723-DUP1)					Source: Y311155-01 Prepared: 11/07/2023 Analyzed: 11/09/2023					
pH	7.41		pH Units		7.41			0.00	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 - HSR - Lillevand 10-3

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.



October 30, 2023

Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - HSR - Lillevand 10-3

Project Number - [none]

Attached are your analytical results for KMG - HSR - Lillevand 10-3 received by Origins Laboratory, Inc. October 26, 2023. This project is associated with Origins project number Y310719-01.

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 - HSR - Lillevand 10-3

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-B01-01@6'	Y310719-01	Soil	October 26, 2023 11:30	10/26/2023 16:11

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 - HSR - Lillevand 10-3

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4310719

Client: Eagle
Client Project ID: Lillevand 10-3

Checklist Completed by: EHS

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

Date/time completed: 10/26/23

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

Cooler Number/Temperature: 1/40 °C 1 °C 1 °C (Describe) °C

Thermometer ID: 1004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input 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 (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH < 2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH > 10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Additional Comments (if any):				

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

[Signature]
Reviewed by (Project Manager)

10/26/23
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 - HSR - Lillevand 10-3

WH-B01-01@6'

10/26/2023 11:30:00AM

Analyte	Result	Reporting	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.
Y310719-01 (Soil)

pH in Soil by 9045D

pH	8.33	pH Units	1	B3J2721	ACN	10/27/2023	10/28/2023
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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 - HSR - Lillevand 10-3

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 B3J2721 - Saturated Paste pH/EC

Duplicate (B3J2721-DUP1)		Source: Y310711-01			Prepared: 10/27/2023 Analyzed: 10/28/2023					
pH	7.76		pH Units		7.59			2.21	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.

Jordan A. Bynon, Project Manager

Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: [none]

Project: KMG - HSR - Lillevand 10-3

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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



October 30, 2023

Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - HSR - Lillevand 10-3

Project Number - [none]

Attached are your analytical results for KMG - HSR - Lillevand 10-3 received by Origins Laboratory, Inc. October 27, 2023. This project is associated with Origins project number Y310755-01.

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 - HSR - Lillevand 10-3

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL-B18-01@2'	Y310755-01	Soil	October 27, 2023 15:30	10/27/2023 16:35

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 - HSR - Lillevand 10-3

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: YB0755

Client: Eagle

Client Project ID: Lillevand 10-3

Checklist Completed by: TJH/CHS

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

Date/time completed: 10/27/23

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 3 °C 1 / 1 °C 1 / 1 °C (Describe)

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 (> 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.

Reviewed by (Project Manager) [Signature]

Date/Time Reviewed 10/27/23

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 - HSR - Lillevand 10-3

FL-B18-01@2'

10/27/2023 3:30:00PM

Analyte	Result	Reporting	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.
Y310755-01 (Soil)

pH in Soil by 9045D

pH	5.74	pH Units	1	B3J2809	ACN	10/28/2023	10/29/2023
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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 - HSR - Lillevand 10-3

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 B3J2809 - Saturated Paste pH/EC

Duplicate (B3J2809-DUP1)		Source: Y310751-01			Prepared: 10/28/2023 Analyzed: 10/29/2023					
pH	8.02		pH Units		8.06			0.498	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.

Jordan A. Bynon, Project Manager

Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: [none]

Project: KMG - HSR - Lillevand 10-3

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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



November 13, 2023

Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - HSR - Lillevand 10-3

Project Number - [none]

Attached are your analytical results for KMG - HSR - Lillevand 10-3 received by Origins Laboratory, Inc. November 07, 2023. This project is associated with Origins project number Y311168-01.

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 - HSR - Lillevand 10-3

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL-B18-01@3'	Y311168-01	Soil	November 7, 2023 10:55	11/07/2023 13:21

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 - HSR - Lillevand 10-3

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 1311107

Client: Eagle

Client Project ID: Lillevand 10-3

Checklist Completed by: JWH/HS

Shipped Via: HD

Date/time completed: 11/7/23

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

Airbill #: N/A

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

Cooler Number/Temperature: 1,55 °C °C °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 (> 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.

Reviewed by (Project Manager) [Signature]

Date/Time Reviewed 11/7/23

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 - HSR - Lillevand 10-3

FL-B18-01@3'

11/7/2023 10:55:00AM

Analyte	Result	Reporting	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.
Y311168-01 (Soil)

pH in Soil by 9045D

pH	7.30	pH Units	1	B3K0723	EAL	11/07/2023	11/09/2023
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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 - HSR - Lillevand 10-3

Saturated Paste - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B3K0723 - Saturated Paste pH/EC

Duplicate (B3K0723-DUP1)		Source: Y311155-01			Prepared: 11/07/2023 Analyzed: 11/09/2023					
pH	7.41		pH Units		7.41			0.00	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.

Jordan A. Bynon, Project Manager

Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Dan Coloccia

Project Number: [none]

Project: KMG - HSR - Lillevand 10-3

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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



August 19, 2024

Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - HSR - Lillevand 10-3

Project Number - [none]

Attached are your analytical results for KMG - HSR - Lillevand 10-3 received by Origins Laboratory, Inc. July 18, 2024. This project is associated with Origins project number Y407481-01.

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 - HSR - Lillevand 10-3

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL-B49@3'	Y407481-01	Soil	July 18, 2024 11:16	07/18/2024 13:10
FL-B50@3'	Y407481-02	Soil	July 18, 2024 11:18	07/18/2024 13:10
FL-BG01@3'	Y407481-03	Soil	July 18, 2024 11:20	07/18/2024 13:10
FL-BG01@6'	Y407481-04	Soil	July 18, 2024 11:22	07/18/2024 13:10
FL-BG02@3'	Y407481-05	Soil	July 18, 2024 11:24	07/18/2024 13:10
FL-BG02@6'	Y407481-06	Soil	July 18, 2024 11:26	07/18/2024 13:10
FL-BG03@3'	Y407481-07	Soil	July 18, 2024 11:28	07/18/2024 13:10
FL-BG03@6'	Y407481-08	Soil	July 18, 2024 11:30	07/18/2024 13:10
FL-BG04@3'	Y407481-09	Soil	July 18, 2024 11:32	07/18/2024 13:10
FL-BG04@6'	Y407481-10	Soil	July 18, 2024 11:34	07/18/2024 13:10

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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 - HSR - Lillevand 10-3

ORIGINS

LABORATORY, INC

ORIGINS WORK ORDER #
4407481

Page 1 of 1

Client: Eagle Environmental (env)
Address: 8000 W 44th Ave
Telephone Number: Wheat Ridge CO 80033
Email Address: 303-433-0479
d.coloccia@eagle-env.com
Project Manager: D. Coloccia
Project Name: HSR - Lillevand 10-3
Project Number: -
Collected By: CB
Invoice Billing Info: Initial
Key: W=Water
GW=Groundwater
SW=Surface Water
WW=Waste Water
L=Liquid
S=Soil | SO=Solid | O=Oil | A=Air | G=Gas | UNP=Unpres | HCL= Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH=Sodium Hydroxide

#	Sample ID	Date	Time	# of Containers	Matrix	Preservative	Analysis	Comments
1	FL-B49 @3'	7/18/24	11:16	3	S	UNP	Table 913-1 EC pH SAR Baron Metals	
2	FL-B50 @3'		11:18	1				
3	FL-B60 @3'		11:20	2			X X X X X	
4	FL-B60 @6'		11:22	1				
5	FL-B60 @3'		11:24	1				
6	FL-B60 @6'		11:26	1				
7	FL-B60 @3'		11:26	1				
8	FL-B60 @6'		11:30	1				
9	FL-B60 @3'		11:32	1				
10	FL-B60 @6'		11:34	1				
Relinquished By: <u>Env</u>		Date: <u>7/18/24</u>	Time: <u>1310</u>	Received By: <u>DC</u>	Date: <u>7/18/24</u>	Time: <u>1310</u>	Turnaround Time <input checked="" type="checkbox"/> SAME DAY <input type="checkbox"/> 24 Hr	
Relinquished By:		Date:	Time:	Received By:	Date:	Time:	Standard <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr	

1725 Elk Place Denver, Co. 80211 | # 303.433.1322 | originslab.com

Temp Received- 54 Received On Ice? ☒ Yes ☐ No

Origins Laboratory, Inc.

Jefe Pellegrini

Jen Pellegrini For Jordan A. Bynon, Project Manager

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 - HSR - Lillevand 10-3

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4407481

Client: Eagle

Client Project ID: Lillevand 10-3

Checklist Completed by: TJN/RA

Shipped Via: HD

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

Date/time completed: 7/18/24

Airbill #: N/A

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

Cooler Number/Temperature: 15M °C / _____ °C / _____ °C (Describe) _____ °C

Thermometer ID: T005

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 (> 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 checked="" type="checkbox"/>	<input type="checkbox"/>	
Additional Comments (if any):				

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

Reviewed by (Project Manager) [Signature]

7/18/24
Date/Time Reviewed

Origins Laboratory, Inc.

[Signature]

Jen Pellegrini For Jordan A. Bynon, Project Manager

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 - HSR - Lillevand 10-3

FL-B49@3'

7/18/2024 11:16:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407481-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.150	0.0999	mg/L	1	B4G1914	07/19/2024	07/22/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4G1834	07/18/2024	07/18/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	83.7 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4G1835	07/18/2024	07/18/2024	Ua
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	Ua
Benzene	ND	0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND	0.00200	"	"	"	"	"	Ua
Toluene	ND	0.00200	"	"	"	"	"	Ua
Xylenes, total	ND	0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4	113 %	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.

Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

FL-B49@3'

7/18/2024 11:16:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407481-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	106 %	70-130				B4G18 35	07/18/2024	07/18/2024	
Surrogate: 4-Bromofluorobenzene	107 %	70-130				"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.08	0.499	meq/L	10	[CALC]	07/19/2024	07/22/2024	
Magnesium	ND	0.823	"	"	"	"	"	
Sodium	ND	0.435	"	"	"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4G1840	07/18/2024	07/18/2024	Ua
2-Methylnaphthalene	ND	0.002	"	"	"	"	"	Ua
Acenaphthene	ND	0.020	"	"	"	"	"	Ua
Anthracene	ND	0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	0.012	0.005	"	"	"	"	"	
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	Ua
Chrysene	ND	0.020	"	"	"	"	"	Ua
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	Ua
Fluoranthene	0.033	0.020	"	"	"	"	"	

Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

FL-B49@3'

7/18/2024 11:16:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407481-01 (Soil)

PAH by EPA 8270E

Fluorene	ND	0.020	mg/kg	1	B4G1840	07/18/2024	07/18/2024	Ua
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	Ua
Naphthalene	ND	0.002	"	"	"	"	"	Ua
Pyrene	0.027	0.020	"	"	"	"	"	

Surrogate: Fluorene-d10	100 %	60-130	"	"	"
Surrogate: Anthracene-d10	102 %	60-130	"	"	"
Surrogate: Pyrene-d10	102 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	100 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.34	pH Units	1	B4G1921	07/19/2024	07/19/2024
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SAR by 20B Saturated Paste

SAR	0.225	0.0100	SAR	1	B4G1908	07/19/2024	07/22/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.206	0.00500	mmhos/cm	1	B4G1921	07/19/2024	07/19/2024
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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.

Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

FL-B49@3'

7/18/2024 11:16:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407481-01 (Soil)

Table 915 metals by EPA 6020B

Arsenic	3.66	0.279	mg/kg	10	B4G1831	07/18/2024	07/19/2024	
Barium	99.3	9.62	"	"	"	"	"	
Cadmium	0.175	0.0962	"	"	"	"	"	
Copper	ND	9.62	"	"	"	"	"	Ua
Lead	8.88	0.962	"	"	"	"	"	
Nickel	10.4	0.962	"	"	"	"	"	
Selenium	ND	0.250	"	"	"	"	"	Ua
Silver	ND	0.0962	"	"	"	"	"	Ua
Zinc	38.0	35.6	"	"	"	"	"	

Total Metals 7196A

Hexavalent Chromium	ND	0.146	0.364	mg/kg dry	1	2656930	08/15/2024	08/16/2024	U
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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.

Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

FL-B50@3'

7/18/2024 11:18:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407481-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.543	0.0986	mg/L	1	B4G1914	07/19/2024	07/22/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4G1834	07/18/2024	07/18/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	80.9 %	50-150	"	"	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4G1835	07/18/2024	07/18/2024	Ua
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	Ua
Benzene	ND	0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND	0.00200	"	"	"	"	"	Ua
Toluene	ND	0.00200	"	"	"	"	"	Ua
Xylenes, total	ND	0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4	105 %	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.

Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

FL-B50@3'

7/18/2024 11:18:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407481-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	110 %	70-130	B4G18 35	07/18/2024	07/18/2024
Surrogate: 4-Bromofluorobenzene	106 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	1.17	0.499	meq/L	10	[CALC]	07/19/2024	07/22/2024
Magnesium	1.19	0.823	"	"	"	"	"
Sodium	0.960	0.435	"	"	"	"	"

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4G1840	07/18/2024	07/18/2024	Ua
2-Methylnaphthalene	ND	0.002	"	"	"	"	"	Ua
Acenaphthene	ND	0.020	"	"	"	"	"	Ua
Anthracene	ND	0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND	0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	Ua
Chrysene	ND	0.020	"	"	"	"	"	Ua
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	Ua
Fluoranthene	ND	0.020	"	"	"	"	"	Ua

Origins Laboratory, Inc.



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

Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

FL-B50@3'

7/18/2024 11:18:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407481-02 (Soil)

PAH by EPA 8270E

Fluorene	ND	0.020	mg/kg	1	B4G1840	07/18/2024	07/18/2024	Ua
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	Ua
Naphthalene	ND	0.002	"	"	"	"	"	Ua
Pyrene	ND	0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	98.9 %	60-130	"	"	"
Surrogate: Anthracene-d10	101 %	60-130	"	"	"
Surrogate: Pyrene-d10	103 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	102 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.16	pH Units	1	B4G1921	07/19/2024	07/19/2024
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SAR by 20B Saturated Paste

SAR	0.884	0.0100	SAR	1	B4G1908	07/19/2024	07/22/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.381	0.00500	mmhos/cm	1	B4G1921	07/19/2024	07/19/2024
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Table 915 metals by EPA 6020B

Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

FL-B50@3'

7/18/2024 11:18:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407481-02 (Soil)

Table 915 metals by EPA 6020B

Arsenic	5.86	0.242	mg/kg	10	B4G1831	07/18/2024	07/19/2024	
Barium	160	8.35	"	"	"	"	"	
Cadmium	0.244	0.0835	"	"	"	"	"	
Copper	13.1	8.35	"	"	"	"	"	
Lead	10.9	0.835	"	"	"	"	"	
Nickel	16.0	0.835	"	"	"	"	"	
Selenium	ND	0.217	"	"	"	"	"	Ua
Silver	ND	0.0835	"	"	"	"	"	Ua
Zinc	48.4	30.9	"	"	"	"	"	

Total Metals 7196A

Hexavalent Chromium	ND	0.115	0.288	mg/kg dry	1	2656930	08/15/2024	08/16/2024	U
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Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

FL-BG01@3'

7/18/2024 11:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407481-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.149	0.100	mg/L	1	B4G1914	07/19/2024	07/22/2024
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Metals by Saturated Paste by EPA 6010

Calcium	1.87	0.499	meq/L	10	[CALC]	07/19/2024	07/22/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	ND	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.40		pH Units	1	B4G1921	07/19/2024	07/19/2024
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SAR by 20B Saturated Paste

SAR	0.152	0.0100	SAR	1	B4G1908	07/19/2024	07/22/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.309	0.00500	mmhos/cm	1	B4G1921	07/19/2024	07/19/2024
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Table 915 metals by EPA 6020B

Arsenic	3.91	0.266	mg/kg	10	B4G1831	07/18/2024	07/19/2024
Barium	112	9.17	"	"	"	"	"
Cadmium	0.143	0.0917	"	"	"	"	"
Copper	ND	9.17	"	"	"	"	"

Ua

Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

FL-BG01@3'

7/18/2024 11:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407481-03 (Soil)

Table 915 metals by EPA 6020B

Lead	7.93		0.917	mg/kg	10	B4G1831	07/18/2024	07/19/2024	
Nickel	10.7		0.917	"	"	"	"	"	
Selenium	ND		0.238	"	"	"	"	"	Ua
Silver	ND		0.0917	"	"	"	"	"	Ua
Zinc	37.2		33.9	"	"	"	"	"	

Total Metals 7196A

Hexavalent Chromium	0.184	0.161	0.401	mg/kg dry	1	2656930	08/15/2024	08/16/2024	J
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Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

FL-BG01@6'

7/18/2024 11:22:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407481-04 (Soil)

Boron (DTPA Sorbitol)

Boron	0.222	0.0997	mg/L	1	B4G1915	07/19/2024	07/22/2024
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Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	07/19/2024	07/22/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	2.37	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.56		pH Units	1	B4G1921	07/19/2024	07/19/2024
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SAR by 20B Saturated Paste

SAR	3.23	0.0100	SAR	1	B4G1908	07/19/2024	07/22/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.350	0.00500	mmhos/cm	1	B4G1921	07/19/2024	07/19/2024
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Table 915 metals by EPA 6020B

Arsenic	3.79	0.248	mg/kg	10	B4G1831	07/18/2024	07/19/2024
Barium	124	8.55	"	"	"	"	"
Cadmium	0.147	0.0855	"	"	"	"	"
Copper	10.1	8.55	"	"	"	"	"

Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

FL-BG01@6'

7/18/2024 11:22:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407481-04 (Soil)

Table 915 metals by EPA 6020B

Lead	9.33		0.855	mg/kg	10	B4G1831	07/18/2024	07/19/2024	
Nickel	12.4		0.855	"	"	"	"	"	
Selenium	ND		0.222	"	"	"	"	"	Ua
Silver	ND		0.0855	"	"	"	"	"	Ua
Zinc	49.7		31.6	"	"	"	"	"	

Total Metals 7196A

Hexavalent Chromium	ND	0.118	0.295	mg/kg dry	1	2656930	08/15/2024	08/16/2024	U
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Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

FL-BG02@3'

7/18/2024 11:24:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407481-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.102	0.101	mg/L	1	B4G1915	07/19/2024	07/22/2024
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Metals by Saturated Paste by EPA 6010

Calcium	1.92	0.499	meq/L	10	[CALC]	07/19/2024	07/22/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	ND	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.34		pH Units	1	B4G1921	07/19/2024	07/19/2024
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SAR by 20B Saturated Paste

SAR	0.111	0.0100	SAR	1	B4G1908	07/19/2024	07/22/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.286	0.00500	mmhos/cm	1	B4G1921	07/19/2024	07/19/2024
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Table 915 metals by EPA 6020B

Arsenic	3.79	0.255	mg/kg	10	B4G1831	07/18/2024	07/19/2024
Barium	89.2	8.79	"	"	"	"	"
Cadmium	0.116	0.0879	"	"	"	"	"
Copper	ND	8.79	"	"	"	"	"

Ua

Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

FL-BG02@3'

7/18/2024 11:24:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407481-05 (Soil)

Table 915 metals by EPA 6020B

Lead	6.77		0.879	mg/kg	10	B4G1831	07/18/2024	07/19/2024	
Nickel	7.85		0.879	"	"	"	"	"	
Selenium	ND		0.228	"	"	"	"	"	Ua
Silver	ND		0.0879	"	"	"	"	"	Ua
Zinc	ND		32.5	"	"	"	"	"	Ua

Total Metals 7196A

Hexavalent Chromium	ND	0.145	0.364	mg/kg dry	1	2656930	08/15/2024	08/16/2024	U
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Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

FL-BG02@6'

7/18/2024 11:26:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407481-06 (Soil)

Boron (DTPA Sorbitol)

Boron	0.490	0.101	mg/L	1	B4G1915	07/19/2024	07/22/2024
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Metals by Saturated Paste by EPA 6010

Calcium	1.96	0.499	meq/L	10	[CALC]	07/19/2024	07/22/2024
Magnesium	1.84	0.823	"	"	"	"	"
Sodium	2.19	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.39		pH Units	1	B4G1921	07/19/2024	07/19/2024
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SAR by 20B Saturated Paste

SAR	1.59	0.0100	SAR	1	B4G1908	07/19/2024	07/22/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.642	0.00500	mmhos/cm	1	B4G1921	07/19/2024	07/19/2024
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Table 915 metals by EPA 6020B

Arsenic	3.71	0.285	mg/kg	10	B4G1831	07/18/2024	07/19/2024
Barium	93.5	9.82	"	"	"	"	"
Cadmium	0.114	0.0982	"	"	"	"	"
Copper	ND	9.82	"	"	"	"	"

Ua

Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

FL-BG02@6'

7/18/2024 11:26:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407481-06 (Soil)

Table 915 metals by EPA 6020B

Lead	8.23		0.982	mg/kg	10	B4G1831	07/18/2024	07/19/2024	
Nickel	8.33		0.982	"	"	"	"	"	
Selenium	ND		0.255	"	"	"	"	"	Ua
Silver	ND		0.0982	"	"	"	"	"	Ua
Zinc	ND		36.3	"	"	"	"	"	Ua

Total Metals 7196A

Hexavalent Chromium	ND	0.159	0.399	mg/kg dry	1	2656930	08/15/2024	08/16/2024	U
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Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

FL-BG03@3'

7/18/2024 11:28:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407481-07 (Soil)

Boron (DTPA Sorbitol)

Boron	0.269	0.100	mg/L	1	B4G1915	07/19/2024	07/22/2024
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Metals by Saturated Paste by EPA 6010

Calcium	1.72	0.499	meq/L	10	[CALC]	07/19/2024	07/22/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	ND	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.41		pH Units	1	B4G1921	07/19/2024	07/19/2024
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SAR by 20B Saturated Paste

SAR	0.0571	0.0100	SAR	1	B4G1908	07/19/2024	07/22/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.337	0.00500	mmhos/cm	1	B4G1921	07/19/2024	07/19/2024
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Table 915 metals by EPA 6020B

Arsenic	2.99	0.277	mg/kg	10	B4G1831	07/18/2024	07/19/2024
Barium	84.9	9.56	"	"	"	"	"
Cadmium	0.121	0.0956	"	"	"	"	"
Copper	ND	9.56	"	"	"	"	"

Ua

Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

FL-BG03@3'

7/18/2024 11:28:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407481-07 (Soil)

Table 915 metals by EPA 6020B

Lead	7.59	0.956	mg/kg	10	B4G1831	07/18/2024	07/19/2024	
Nickel	7.10	0.956	"	"	"	"	"	
Selenium	ND	0.249	"	"	"	"	"	Ua
Silver	ND	0.0956	"	"	"	"	"	Ua
Zinc	ND	35.4	"	"	"	"	"	Ua

Total Metals 7196A

Hexavalent Chromium	ND	0.154	0.385	mg/kg dry	1	2656930	08/15/2024	08/16/2024	U
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Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

FL-BG03@6'

7/18/2024 11:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407481-08 (Soil)

Boron (DTPA Sorbitol)

Boron	0.204	0.100	mg/L	1	B4G1915	07/19/2024	07/22/2024
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Metals by Saturated Paste by EPA 6010

Calcium	2.29	0.499	meq/L	10	[CALC]	07/19/2024	07/22/2024
Magnesium	1.11	0.823	"	"	"	"	"
Sodium	ND	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.37	pH Units	1	B4G1921	07/19/2024	07/19/2024
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SAR by 20B Saturated Paste

SAR	0.189	0.0100	SAR	1	B4G1908	07/19/2024	07/22/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.382	0.00500	mmhos/cm	1	B4G1921	07/19/2024	07/19/2024
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Table 915 metals by EPA 6020B

Arsenic	3.28	0.283	mg/kg	10	B4G1831	07/18/2024	07/19/2024
Barium	114	9.75	"	"	"	"	"
Cadmium	0.203	0.0975	"	"	"	"	"
Copper	11.1	9.75	"	"	"	"	"

Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

FL-BG03@6'

7/18/2024 11:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407481-08 (Soil)

Table 915 metals by EPA 6020B

Lead	10.2		0.975	mg/kg	10	B4G1831	07/18/2024	07/19/2024	
Nickel	12.4		0.975	"	"	"	"	"	
Selenium	ND		0.253	"	"	"	"	"	Ua
Silver	ND		0.0975	"	"	"	"	"	Ua
Zinc	51.5		36.1	"	"	"	"	"	

Total Metals 7196A

Hexavalent Chromium	ND	0.126	0.315	mg/kg dry	1	2656930	08/15/2024	08/16/2024	U
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Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

FL-BG04@3'

7/18/2024 11:32:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407481-09 (Soil)

Boron (DTPA Sorbitol)

Boron	0.276	0.0985	mg/L	1	B4G1915	07/19/2024	07/22/2024
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Metals by Saturated Paste by EPA 6010

Calcium	0.975	0.499	meq/L	10	[CALC]	07/19/2024	07/22/2024
Magnesium	1.08	0.823	"	"	"	"	"
Sodium	1.77	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.47		pH Units	1	B4G1921	07/19/2024	07/19/2024
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SAR by 20B Saturated Paste

SAR	1.75	0.0100	SAR	1	B4G1908	07/19/2024	07/22/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.379	0.00500	mmhos/cm	1	B4G1921	07/19/2024	07/19/2024
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Table 915 metals by EPA 6020B

Arsenic	4.13	0.281	mg/kg	10	B4G1831	07/18/2024	07/19/2024
Barium	134	9.69	"	"	"	"	"
Cadmium	0.180	0.0969	"	"	"	"	"
Copper	11.1	9.69	"	"	"	"	"

Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

FL-BG04@3'

7/18/2024 11:32:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407481-09 (Soil)

Table 915 metals by EPA 6020B

Lead	9.37		0.969	mg/kg	10	B4G1831	07/18/2024	07/19/2024	
Nickel	13.4		0.969	"	"	"	"	"	
Selenium	ND		0.252	"	"	"	"	"	Ua
Silver	ND		0.0969	"	"	"	"	"	Ua
Zinc	45.7		35.9	"	"	"	"	"	

Total Metals 7196A

Hexavalent Chromium	0.167	0.146	0.365	mg/kg dry	1	2656930	08/15/2024	08/16/2024	J
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Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

FL-BG04@6'

7/18/2024 11:34:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407481-10 (Soil)

Boron (DTPA Sorbitol)

Boron	1.45	0.100	mg/L	1	B4G1915	07/19/2024	07/22/2024
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Metals by Saturated Paste by EPA 6010

Calcium	0.541	0.499	meq/L	10	[CALC]	07/19/2024	07/22/2024
Magnesium	0.879	0.823	"	"	"	"	"
Sodium	4.33	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.61		pH Units	1	B4G1921	07/19/2024	07/19/2024
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SAR by 20B Saturated Paste

SAR	5.13	0.0100	SAR	1	B4G1908	07/19/2024	07/22/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.591	0.00500	mmhos/cm	1	B4G1921	07/19/2024	07/19/2024
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Table 915 metals by EPA 6020B

Arsenic	5.30	0.282	mg/kg	10	B4G1831	07/18/2024	07/19/2024
Barium	142	9.71	"	"	"	"	"
Cadmium	0.227	0.0971	"	"	"	"	"
Copper	13.8	9.71	"	"	"	"	"

Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

FL-BG04@6'

7/18/2024 11:34:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407481-10 (Soil)

Table 915 metals by EPA 6020B

Lead	11.3		0.971	mg/kg	10	B4G1831	07/18/2024	07/19/2024	
Nickel	16.1		0.971	"	"	"	"	"	
Selenium	ND		0.252	"	"	"	"	"	Ua
Silver	ND		0.0971	"	"	"	"	"	Ua
Zinc	57.2		35.9	"	"	"	"	"	

Total Metals 7196A

Hexavalent Chromium	ND	0.171	0.427	mg/kg dry	1	2656930	08/15/2024	08/16/2024	U
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Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

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 B4G1834 - EPA 3550B										
Blank (B4G1834-BLK1)					Prepared: 07/18/2024 Analyzed: 07/18/2024					
Diesel (C10-C28)	ND	25.0	mg/kg							Ua
Residual Range Organics (C28-C40)	ND	100	"							Ua
Surrogate: o-Terphenyl	26		"	24.9		103	50-150			

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

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 B4G1834 - EPA 3550B

LCS (B4G1834-BS1)

Prepared: 07/18/2024 Analyzed: 07/18/2024

Diesel (C10-C28)	1000	50.0	mg/kg	1000		100	70-130			
Residual Range Organics (C28-C40)	1090	200	"	1000		109	70-130			
Surrogate: o-Terphenyl	47		"	49.8		93.5	50-150			

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

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 B4G1834 - EPA 3550B

Matrix Spike (B4G1834-MS1)		Source: Y407480-01			Prepared: 07/18/2024 Analyzed: 07/18/2024					
Diesel (C10-C28)	1000	50.0	mg/kg	1000	ND	100	70-130			
Residual Range Organics (C28-C40)	1130	200	"	1000	ND	113	70-130			
Surrogate: o-Terphenyl	61		"	49.8		123	50-150			

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

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 B4G1834 - EPA 3550B

Matrix Spike Dup (B4G1834-MSD1)		Source: Y407480-01			Prepared: 07/18/2024 Analyzed: 07/18/2024					
Diesel (C10-C28)	965	50.0	mg/kg	1000	ND	96.5	70-130	4.04	35	
Residual Range Organics (C28-C40)	1050	200	"	1000	ND	105	70-130	6.58	35	
Surrogate: o-Terphenyl	54		"	49.8		109	50-150			

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

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 B4G1835 - EPA 5030 (soil)										
Blank (B4G1835-BLK1)					Prepared: 07/18/2024 Analyzed: 07/18/2024					
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							Ua
1,3,5-Trimethylbenzene	ND	0.00200	"							Ua
Benzene	ND	0.00200	"							Ua
Ethylbenzene	ND	0.00200	"							Ua
Naphthalene	ND	0.00380	"							Ua
Toluene	ND	0.00200	"							Ua
Xylenes, total	ND	0.00200	"							Ua
Gasoline Range Hydrocarbons	ND	0.200	"							Ua
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125	112		70-130			
Surrogate: Toluene-d8	0.14		"	0.125	110		70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125	105		70-130			

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

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 B4G1835 - EPA 5030 (soil)										
LCS (B4G1835-BS1)					Prepared: 07/18/2024 Analyzed: 07/18/2024					
1,2,4-Trimethylbenzene	0.111	0.00200	mg/kg	0.100		111	70-130			
1,3,5-Trimethylbenzene	0.114	0.00200	"	0.100		114	70-130			
Benzene	0.0898	0.00200	"	0.100		89.8	70-130			
Ethylbenzene	0.113	0.00200	"	0.100		113	70-130			
Naphthalene	0.118	0.00380	"	0.100		118	70-130			
Toluene	0.100	0.00200	"	0.100		100	70-130			
o-Xylene	0.106	0.00200	"	0.100		106	70-130			
m,p-Xylene	0.232	0.00400	"	0.200		116	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		106	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		108	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		96.7	70-130			

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

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 B4G1835 - EPA 5030 (soil)										
Matrix Spike (B4G1835-MS1)		Source: Y407480-01			Prepared: 07/18/2024 Analyzed: 07/18/2024					
1,2,4-Trimethylbenzene	0.0870	0.00200	mg/kg	0.100	ND	87.0	70-130			
1,3,5-Trimethylbenzene	0.0849	0.00200	"	0.100	ND	84.9	70-130			
Benzene	0.0771	0.00200	"	0.100	ND	77.1	70-130			
Ethylbenzene	0.0801	0.00200	"	0.100	ND	80.1	70-130			
Naphthalene	0.0765	0.00380	"	0.100	ND	76.5	70-130			
Toluene	0.0779	0.00200	"	0.100	ND	77.9	70-130			
o-Xylene	0.0761	0.00200	"	0.100	ND	76.1	70-130			
m,p-Xylene	0.158	0.00400	"	0.200	ND	79.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		109	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		103	70-130			

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

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 B4G1835 - EPA 5030 (soil)										
Matrix Spike Dup (B4G1835-MSD1)		Source: Y407480-01			Prepared: 07/18/2024 Analyzed: 07/18/2024					
1,2,4-Trimethylbenzene	0.0810	0.00200	mg/kg	0.100	ND	81.0	70-130	7.07	20	
1,3,5-Trimethylbenzene	0.0878	0.00200	"	0.100	ND	87.8	70-130	3.36	20	
Benzene	0.0783	0.00200	"	0.100	ND	78.3	70-130	1.57	20	
Ethylbenzene	0.0829	0.00200	"	0.100	ND	82.9	70-130	3.51	20	
Naphthalene	0.0822	0.00380	"	0.100	ND	82.2	70-130	7.16	20	
Toluene	0.0817	0.00200	"	0.100	ND	81.7	70-130	4.81	20	
o-Xylene	0.0795	0.00200	"	0.100	ND	79.5	70-130	4.42	20	
m,p-Xylene	0.161	0.00400	"	0.200	ND	80.4	70-130	1.63	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		104	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		104	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		108	70-130			

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

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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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 B4G1831 - EPA 3050B

Blank (B4G1831-BLK1)

Prepared: 07/18/2024 Analyzed: 07/19/2024

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

LCS (B4G1831-BS1)

Prepared: 07/18/2024 Analyzed: 07/19/2024

Arsenic	5.68	0.290	mg/kg	5.00		114	80-120
Barium	512	10.0	"	500		102	80-120
Cadmium	5.08	0.100	"	5.00		102	80-120
Copper	54.0	10.0	"	50.0		108	80-120
Lead	5.17	1.00	"	5.00		103	80-120
Nickel	5.52	1.00	"	5.00		110	80-120
Selenium	5.35	0.260	"	5.00		107	80-120
Silver	5.21	0.100	"	5.00		104	80-120
Zinc	58.5	37.0	"	50.0		117	80-120

Matrix Spike (B4G1831-MS1)

Source: Y407481-01

Prepared: 07/18/2024 Analyzed: 07/19/2024

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

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 B4G1831 - EPA 3050B										
Matrix Spike (B4G1831-MS1)		Source: Y407481-01			Prepared: 07/18/2024 Analyzed: 07/19/2024					
Arsenic	9.28	0.266	mg/kg	4.59	3.66	122	75-125			
Barium	584	9.18	"	459	99.3	106	75-125			
Cadmium	4.97	0.0918	"	4.59	0.175	104	75-125			
Copper	62.3	9.18	"	45.9	9.06	116	75-125			
Lead	13.5	0.918	"	4.59	8.88	102	75-125			
Nickel	16.4	0.918	"	4.59	10.4	132	75-125			QM-07
Selenium	4.79	0.239	"	4.59	0.141	101	75-125			
Silver	5.07	0.0918	"	4.59	0.0279	110	75-125			
Zinc	95.6	34.0	"	45.9	38.0	125	75-125			
Matrix Spike Dup (B4G1831-MSD1)		Source: Y407481-01			Prepared: 07/18/2024 Analyzed: 07/19/2024					
Arsenic	9.20	0.287	mg/kg	4.95	3.66	112	75-125	0.887	20	
Barium	623	9.90	"	495	99.3	106	75-125	6.49	20	
Cadmium	5.46	0.0990	"	4.95	0.175	107	75-125	9.48	20	
Copper	61.8	9.90	"	49.5	9.06	107	75-125	0.877	20	
Lead	13.3	0.990	"	4.95	8.88	90.1	75-125	1.51	20	
Nickel	16.2	0.990	"	4.95	10.4	118	75-125	1.37	20	
Selenium	5.18	0.257	"	4.95	0.141	102	75-125	7.73	20	
Silver	5.47	0.0990	"	4.95	0.0279	110	75-125	7.56	20	
Zinc	95.0	36.6	"	49.5	38.0	115	75-125	0.626	20	

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

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 B4G1840 - EPA 3580

Blank (B4G1840-BLK1)

Prepared: 07/18/2024 Analyzed: 07/18/2024

1-Methylnaphthalene	ND	0.002	mg/kg							Ua
2-Methylnaphthalene	ND	0.002	"							Ua
Acenaphthene	ND	0.020	"							Ua
Anthracene	ND	0.020	"							Ua
Benzo (a) anthracene	ND	0.005	"							Ua
Benzo (a) pyrene	ND	0.020	"							Ua
Benzo (b) fluoranthene	ND	0.020	"							Ua
Benzo (g,h,i) perylene	ND	0.020	"							Ua
Benzo (k) fluoranthene	ND	0.020	"							Ua
Chrysene	ND	0.020	"							Ua
Dibenz (a,h) anthracene	ND	0.020	"							Ua
Fluoranthene	ND	0.020	"							Ua
Fluorene	ND	0.020	"							Ua
Indeno (1,2,3-cd) pyrene	ND	0.020	"							Ua
Naphthalene	ND	0.002	"							Ua
Phenanthrene	ND	0.020	"							Ua
Pyrene	ND	0.020	"							Ua

Surrogate: Fluorene-d10	200		ug/kg	200		99.6	60-130
Surrogate: Anthracene-d10	210		"	200		103	60-130
Surrogate: Pyrene-d10	210		"	200		103	60-130
Surrogate: Benzo (a) pyrene-d12	190		"	200		97.3	60-130

LCS (B4G1840-BS1)

Prepared: 07/18/2024 Analyzed: 07/18/2024

1-Methylnaphthalene	0.186	0.002	mg/kg	0.200		93.2	70-130
2-Methylnaphthalene	0.186	0.002	"	0.200		92.9	70-130
Acenaphthene	0.186	0.020	"	0.200		93.1	70-130
Anthracene	0.185	0.020	"	0.200		92.6	70-130

Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

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 B4G1840 - EPA 3580

LCS (B4G1840-BS1)

Prepared: 07/18/2024 Analyzed: 07/18/2024

Benzo (a) anthracene	0.187	0.005	mg/kg	0.200		93.3	70-130
Benzo (a) pyrene	0.201	0.020	"	0.200		100	70-130
Benzo (b) fluoranthene	0.185	0.020	"	0.200		92.5	70-130
Benzo (g,h,i) perylene	0.187	0.020	"	0.200		93.3	70-130
Benzo (k) fluoranthene	0.174	0.020	"	0.200		87.2	70-130
Chrysene	0.186	0.020	"	0.200		93.2	70-130
Dibenz (a,h) anthracene	0.186	0.020	"	0.200		93.2	70-130
Fluoranthene	0.191	0.020	"	0.200		95.6	70-130
Fluorene	0.185	0.020	"	0.200		92.3	70-130
Indeno (1,2,3-cd) pyrene	0.188	0.020	"	0.200		94.1	70-130
Naphthalene	0.185	0.002	"	0.200		92.5	70-130
Phenanthrene	0.187	0.020	"	0.200		93.3	70-130
Pyrene	0.194	0.020	"	0.200		96.9	70-130
Surrogate: Fluorene-d10	200		ug/kg	200		99.7	60-130
Surrogate: Anthracene-d10	200		"	200		102	60-130
Surrogate: Pyrene-d10	200		"	200		101	60-130
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130

Matrix Spike (B4G1840-MS1)

Source: Y407480-01

Prepared: 07/18/2024 Analyzed: 07/18/2024

1-Methylnaphthalene	0.200	0.002	mg/kg	0.200	ND	100	70-130
2-Methylnaphthalene	0.200	0.002	"	0.200	ND	100	70-130
Acenaphthene	0.200	0.020	"	0.200	ND	99.9	70-130
Anthracene	0.207	0.020	"	0.200	0.0008	103	70-130
Benzo (a) anthracene	0.207	0.005	"	0.200	0.002	103	70-130
Benzo (a) pyrene	0.213	0.020	"	0.200	0.001	106	70-130
Benzo (b) fluoranthene	0.200	0.020	"	0.200	0.003	98.7	70-130
Benzo (g,h,i) perylene	0.196	0.020	"	0.200	ND	98.1	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.

Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

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 B4G1840 - EPA 3580

Matrix Spike (B4G1840-MS1)		Source: Y407480-01			Prepared: 07/18/2024 Analyzed: 07/18/2024					
Benzo (k) fluoranthene	0.187	0.020	mg/kg	0.200	0.001	93.0	70-130			
Chrysene	0.198	0.020	"	0.200	0.005	97.0	70-130			
Dibenz (a,h) anthracene	0.196	0.020	"	0.200	ND	98.1	70-130			
Fluoranthene	0.207	0.020	"	0.200	0.004	101	70-130			
Fluorene	0.203	0.020	"	0.200	ND	101	70-130			
Indeno (1,2,3-cd) pyrene	0.200	0.020	"	0.200	0.001	99.4	70-130			
Naphthalene	0.199	0.002	"	0.200	ND	99.6	70-130			
Phenanthrene	0.201	0.020	"	0.200	ND	100	70-130			
Pyrene	0.206	0.020	"	0.200	0.005	101	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	200		"	200		102	60-130			
Surrogate: Pyrene-d10	200		"	200		102	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		99.2	60-130			

Matrix Spike Dup (B4G1840-MSD1)		Source: Y407480-01			Prepared: 07/18/2024 Analyzed: 07/18/2024					
1-Methylnaphthalene	0.194	0.002	mg/kg	0.200	ND	97.2	70-130	2.86	20	
2-Methylnaphthalene	0.194	0.002	"	0.200	ND	96.9	70-130	3.28	20	
Acenaphthene	0.195	0.020	"	0.200	ND	97.6	70-130	2.39	20	
Anthracene	0.193	0.020	"	0.200	0.0008	96.1	70-130	7.03	20	
Benzo (a) anthracene	0.199	0.005	"	0.200	0.002	99.0	70-130	3.57	20	
Benzo (a) pyrene	0.206	0.020	"	0.200	0.001	102	70-130	3.31	20	
Benzo (b) fluoranthene	0.198	0.020	"	0.200	0.003	97.5	70-130	1.17	20	
Benzo (g,h,i) perylene	0.190	0.020	"	0.200	ND	94.9	70-130	3.25	20	
Benzo (k) fluoranthene	0.186	0.020	"	0.200	0.001	92.3	70-130	0.788	20	
Chrysene	0.186	0.020	"	0.200	0.005	90.9	70-130	6.32	20	
Dibenz (a,h) anthracene	0.184	0.020	"	0.200	ND	92.0	70-130	6.41	20	
Fluoranthene	0.199	0.020	"	0.200	0.004	97.4	70-130	3.81	20	

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

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 B4G1840 - EPA 3580										
Matrix Spike Dup (B4G1840-MSD1)			Source: Y407480-01		Prepared: 07/18/2024 Analyzed: 07/18/2024					
Fluorene	0.193	0.020	mg/kg	0.200	ND	96.7	70-130	4.77	20	
Indeno (1,2,3-cd) pyrene	0.193	0.020	"	0.200	0.001	96.0	70-130	3.42	20	
Naphthalene	0.194	0.002	"	0.200	ND	96.8	70-130	2.89	20	
Phenanthrene	0.192	0.020	"	0.200	ND	96.2	70-130	4.42	20	
Pyrene	0.198	0.020	"	0.200	0.005	96.8	70-130	3.79	20	
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	200		"	200		102	60-130			
Surrogate: Pyrene-d10	200		"	200		101	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		101	60-130			

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

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 B4G1908 - Saturated Paste Metals

Blank (B4G1908-BLK1)

Prepared: 07/19/2024 Analyzed: 07/22/2024

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

Duplicate (B4G1908-DUP1)

Source: Y407437-06

Prepared: 07/19/2024 Analyzed: 07/22/2024

SAR	ND	0.0100	SAR	0.308				200		Ua
Calcium PPM	16.2	10.0	mg/L	13.6				17.0	50	
Magnesium PPM	6.61	10.0	"	5.70				14.8	50	Ua
Sodium PPM	4.72	10.0	"	5.37				12.9	50	Ua

Batch B4G1914 - DTPA Sorbitol Preparation

Blank (B4G1914-BLK1)

Prepared: 07/19/2024 Analyzed: 07/22/2024

Boron	ND	0.100	mg/L							Ua
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Duplicate (B4G1914-DUP1)

Source: Y407436-01

Prepared: 07/19/2024 Analyzed: 07/22/2024

Boron	0.143	0.100	mg/L	0.137				4.46	50	
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Batch B4G1915 - DTPA Sorbitol Preparation

Blank (B4G1915-BLK1)

Prepared: 07/19/2024 Analyzed: 07/22/2024

Boron	ND	0.100	mg/L							Ua
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Duplicate (B4G1915-DUP1)

Source: Y407481-04

Prepared: 07/19/2024 Analyzed: 07/22/2024

Boron	0.240	0.0986	mg/L	0.222				7.66	50	
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Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

Saturated Paste - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4G1921 - Saturated Paste pH/EC										
Blank (B4G1921-BLK1)					Prepared: 07/19/2024 Analyzed: 07/19/2024					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							Ua
Duplicate (B4G1921-DUP1)					Source: Y407437-06 Prepared: 07/19/2024 Analyzed: 07/20/2024					
pH	8.04		pH Units		7.97			0.874	25	
Specific Conductance (EC)	0.270	0.00500	mmhos/cm		0.234			14.2	25	

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

Total Metals 7196A - Quality Control GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2656930 - SW846 3060A										
BLANK (1205822314-BLK)					Prepared: 08/15/2024 Analyzed: 08/16/2024					
Hexavalent Chromium	ND	0.358	mg/kg				-			U
LCS (1205822315-BKS)					Prepared: 08/15/2024 Analyzed: 08/16/2024					
Hexavalent Chromium	2.74	0.273	mg/kg	2.73		100	80-120			
DUP (1205822316 D)					Source: 676619001 Prepared: 08/15/2024 Analyzed: 08/16/2024					
Hexavalent Chromium	ND	0.283	mg/kg dry		<0.113		0-50	N/A	50	U
MS (1205822317 S)					Source: 676619001 Prepared: 08/15/2024 Analyzed: 08/16/2024					
Hexavalent Chromium	0.815	0.283	mg/kg dry	2.83	<0.113	28.6	75-125			
DUP (1205822318 D)					Source: 676619002 Prepared: 08/15/2024 Analyzed: 08/16/2024					
Hexavalent Chromium	ND	0.285	mg/kg dry		<0.114		0-50	N/A	50	U
MS (1205822319 S)					Source: 676619002 Prepared: 08/15/2024 Analyzed: 08/16/2024					
Hexavalent Chromium	1.17	0.285	mg/kg dry	2.85	<0.114	39.7	75-125			
ILCS (1205822320-ILCS)					Prepared: 08/15/2024 Analyzed: 08/16/2024					
Hexavalent Chromium	6.23	0.302	mg/kg	6.21		100	80-120			

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

Notes and Definitions

Ua Sample is Non-Detect.

U Result not detected above the detection limit

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

J Greater than the detection limit but less than the reporting limit

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

Origins Laboratory, Inc.



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

Jen Pellegrini For Jordan A. Bynon, Project Manager



July 24, 2024

Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - HSR - Lillevand 10-3

Project Number - [none]

Attached are your analytical results for KMG - HSR - Lillevand 10-3 received by Origins Laboratory, Inc. July 23, 2024. This project is associated with Origins project number Y407589-01.

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 - HSR - Lillevand 10-3

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL-B49-01@3'	Y407589-01	Soil	July 23, 2024 10:32	07/23/2024 13:56

Origins Laboratory, Inc.



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

Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4407589

Client: Eagle

Client Project ID: Lillevand 10-3

Checklist Completed by: TJN/24

Shipped Via: HL

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

Date/time completed: 7/23/24

Airbill #: N/A

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

Cooler Number/Temperature: 1/13 °C _____ °C _____ °C (Describe)

Thermometer ID: 7005

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?		<input checked="" type="checkbox"/>		<u>SD</u>
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> 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)

7/23/24
Date/Time Reviewed

Origins Laboratory, Inc.

Jefe Pellegrini

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

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

FL-B49-01@3'

7/23/2024 10:32:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y407589-01 (Soil)

PAH by EPA 8270E

Benzo (a) anthracene	ND	0.005	mg/kg	1	B4G2334	agile	07/23/2024	07/23/2024	U
Surrogate: Fluorene-d10	96.5 %	60-130			"	"		"	
Surrogate: Anthracene-d10	85.4 %	60-130			"	"		"	
Surrogate: Pyrene-d10	101 %	60-130			"	"		"	
Surrogate: Benzo (a) pyrene-d12	103 %	60-130			"	"		"	

Origins Laboratory, Inc.



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

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

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 B4G2334 - EPA 3580

Blank (B4G2334-BLK1)

Prepared: 07/23/2024 Analyzed: 07/23/2024

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	190		ug/kg	200		96.2	60-130			
Surrogate: Anthracene-d10	180		"	200		89.0	60-130			
Surrogate: Pyrene-d10	200		"	200		100	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		99.8	60-130			

LCS (B4G2334-BS1)

Prepared: 07/23/2024 Analyzed: 07/23/2024

1-Methylnaphthalene	0.182	0.002	mg/kg	0.200		91.2	70-130			
2-Methylnaphthalene	0.186	0.002	"	0.200		92.9	70-130			
Acenaphthene	0.200	0.020	"	0.200		100	70-130			
Anthracene	0.175	0.020	"	0.200		87.5	70-130			

Origins Laboratory, Inc.



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

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

Dan Coloccia
Project Number: [none]
Project: KMG - HSR - Lillevand 10-3

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 B4G2334 - EPA 3580

LCS (B4G2334-BS1)

Prepared: 07/23/2024 Analyzed: 07/23/2024

Benzo (a) anthracene	0.188	0.005	mg/kg	0.200		93.9	70-130
Benzo (a) pyrene	0.186	0.020	"	0.200		93.2	70-130
Benzo (b) fluoranthene	0.243	0.020	"	0.200		122	70-130
Benzo (g,h,i) perylene	0.226	0.020	"	0.200		113	70-130
Benzo (k) fluoranthene	0.206	0.020	"	0.200		103	70-130
Chrysene	0.209	0.020	"	0.200		104	70-130
Dibenz (a,h) anthracene	0.249	0.020	"	0.200		124	70-130
Fluoranthene	0.197	0.020	"	0.200		98.7	70-130
Fluorene	0.212	0.020	"	0.200		106	70-130
Indeno (1,2,3-cd) pyrene	0.243	0.020	"	0.200		122	70-130
Naphthalene	0.201	0.002	"	0.200		100	70-130
Phenanthrene	0.220	0.020	"	0.200		110	70-130
Pyrene	0.206	0.020	"	0.200		103	70-130
Surrogate: Fluorene-d10	210		ug/kg	200		103	60-130
Surrogate: Anthracene-d10	170		"	200		85.9	60-130
Surrogate: Pyrene-d10	200		"	200		101	60-130
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130

Matrix Spike (B4G2334-MS1)

Source: Y407583-12

Prepared: 07/23/2024 Analyzed: 07/23/2024

1-Methylnaphthalene	0.189	0.002	mg/kg	0.200	0.0005	94.4	70-130
2-Methylnaphthalene	0.191	0.002	"	0.200	0.001	94.8	70-130
Acenaphthene	0.203	0.020	"	0.200	ND	102	70-130
Anthracene	0.180	0.020	"	0.200	ND	89.9	70-130
Benzo (a) anthracene	0.179	0.005	"	0.200	0.002	88.4	70-130
Benzo (a) pyrene	0.199	0.020	"	0.200	ND	99.4	70-130
Benzo (b) fluoranthene	0.259	0.020	"	0.200	0.0009	129	70-130
Benzo (g,h,i) perylene	0.232	0.020	"	0.200	0.0008	116	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 - HSR - Lillevand 10-3

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 B4G2334 - EPA 3580

Matrix Spike (B4G2334-MS1)		Source: Y407583-12			Prepared: 07/23/2024 Analyzed: 07/23/2024					
Benzo (k) fluoranthene	0.225	0.020	mg/kg	0.200	ND	112	70-130			
Chrysene	0.195	0.020	"	0.200	0.002	96.9	70-130			
Dibenz (a,h) anthracene	0.244	0.020	"	0.200	0.003	121	70-130			
Fluoranthene	0.201	0.020	"	0.200	ND	100	70-130			
Fluorene	0.210	0.020	"	0.200	0.0006	105	70-130			
Indeno (1,2,3-cd) pyrene	0.242	0.020	"	0.200	0.003	120	70-130			
Naphthalene	0.202	0.002	"	0.200	ND	101	70-130			
Phenanthrene	0.221	0.020	"	0.200	0.0006	110	70-130			
Pyrene	0.196	0.020	"	0.200	0.0009	97.4	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	180		"	200		87.8	60-130			
Surrogate: Pyrene-d10	190		"	200		95.7	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		103	60-130			

Matrix Spike Dup (B4G2334-MSD1)		Source: Y407583-12			Prepared: 07/23/2024 Analyzed: 07/23/2024					
1-Methylnaphthalene	0.193	0.002	mg/kg	0.200	0.0005	96.0	70-130	1.76	20	
2-Methylnaphthalene	0.189	0.002	"	0.200	0.001	94.1	70-130	0.735	20	
Acenaphthene	0.212	0.020	"	0.200	ND	106	70-130	4.45	20	
Anthracene	0.180	0.020	"	0.200	ND	90.0	70-130	0.100	20	
Benzo (a) anthracene	0.192	0.005	"	0.200	0.002	94.8	70-130	6.92	20	
Benzo (a) pyrene	0.202	0.020	"	0.200	ND	101	70-130	1.78	20	
Benzo (b) fluoranthene	0.249	0.020	"	0.200	0.0009	124	70-130	3.86	20	
Benzo (g,h,i) perylene	0.234	0.020	"	0.200	0.0008	117	70-130	1.01	20	
Benzo (k) fluoranthene	0.226	0.020	"	0.200	ND	113	70-130	0.408	20	
Chrysene	0.210	0.020	"	0.200	0.002	104	70-130	7.49	20	
Dibenz (a,h) anthracene	0.255	0.020	"	0.200	0.003	126	70-130	4.36	20	
Fluoranthene	0.197	0.020	"	0.200	ND	98.3	70-130	2.17	20	

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4G2334 - EPA 3580										
Matrix Spike Dup (B4G2334-MSD1)			Source: Y407583-12		Prepared: 07/23/2024 Analyzed: 07/23/2024					
Fluorene	0.216	0.020	mg/kg	0.200	0.0006	108	70-130	2.70	20	
Indeno (1,2,3-cd) pyrene	0.247	0.020	"	0.200	0.003	122	70-130	2.13	20	
Naphthalene	0.207	0.002	"	0.200	ND	104	70-130	2.53	20	
Phenanthrene	0.225	0.020	"	0.200	0.0006	112	70-130	1.47	20	
Pyrene	0.202	0.020	"	0.200	0.0009	100	70-130	3.15	20	
Surrogate: Fluorene-d10	200		ug/kg	200		100	60-130			
Surrogate: Anthracene-d10	170		"	200		86.0	60-130			
Surrogate: Pyrene-d10	190		"	200		95.1	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		104	60-130			

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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.

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Jen Pellegrini For Jordan A. Bynon, Project Manager