

November 16, 2022

KP Kauffman Co. Inc.

Craig Meis

1700 Lincoln St #4550

Denver CO 80203

Project Name - Stieber

Project Number - -

Attached are your analytical results for Stieber received by Origins Laboratory, Inc. November 02, 2022. This project is associated with Origins project number Y211085-01.

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



KP Kauffman Co. Inc.
1700 Lincoln St #4550
Denver CO 80203

Craig Meis
Project Number: -
Project: Stieber

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-3	Y211085-01	Soil	November 1, 2022 11:55	11/02/2022 14:40
MW-4	Y211085-02	Soil	November 1, 2022 11:05	11/02/2022 14:40
MW-5	Y211085-03	Soil	November 1, 2022 13:10	11/02/2022 14:40
MW-6	Y211085-04	Soil	November 1, 2022 12:35	11/02/2022 14:40
MW-7-9	Y211085-05	Soil	November 1, 2022 9:45	11/02/2022 14:40
MW-8-9	Y211085-06	Soil	November 1, 2022 10:20	11/02/2022 14:40
MW-9-9	Y211085-07	Soil	November 1, 2022 8:40	11/02/2022 14:40

Origins Laboratory, Inc.



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KP Kauffman Co. Inc.
1700 Lincoln St #4550
Denver CO 80203

Craig Meis
Project Number: -
Project: Stieber

ORIGINS

LABORATORY, INC

www.originslaboratory.com

4211085

page 1 of 1

Client: K.P. Kauffman Company Inc.
Address: 1700 Lincoln St, Suite 4550
Denver, CO 80203
Telephone Number: 303-825-4822
Project Manager: Craig Meis
Project Name: Stieber
Project Number:
Samples Collected By: Michael Hutter

Email Address: cm@kpkk.com
primarycontractor@micomllc.net

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	
MW-3	11/1/22	1155	2					X				1
MW-4		1105	2					X				2
MW-5		1310	2					X				3
MW-6		1235	2					X				4
MW-7-9		0945	2					X				5
MW-8-9		1600	2					X				6
MW-9-9	✓	0810	0					X				7
												8
												9
												10

Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Turnaround Time:
<u>Michael Hutter</u>	<u>11/2/22</u>	<u>1440</u>	<u>EHIS</u>	<u>11/2/22</u>	<u>1440</u>	Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input checked="" type="checkbox"/>
Relinquished by:	Date:	Time:	Received By:	Date:	Time:	

Temp Received: 15.0 Date Results Needed

Origins Laboratory, Inc.

J. Bynon

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KP Kauffman Co. Inc.
1700 Lincoln St #4550
Denver CO 80203

Craig Meis
Project Number: -
Project: Stieber

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4211085

Client: KP Kauffman

Client Project ID: Stieber

Checklist Completed by: EHS/DE

Shipped Via: HD

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

Date/time completed: 11/2/22

Airbill #: NA

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

☐ Water ☐ Other:

Cooler Number/Temperature: 1115 °C 1 °C 1 °C (Describe) °C

Thermometer ID: TO04

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?		X		
Is there ice present (document if blue ice is used)		X		
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		X		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		X		
Were all samples received intact ⁽¹⁾ ?	X			
Was adequate sample volume provided ⁽¹⁾ ?	X			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		X		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	X			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	X			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	X			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	X			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			X	
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)			X	
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: JB (Project Manager)

Date/Time Reviewed: 11-3-22

Origins Laboratory, Inc.

J. Bynon

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KP Kauffman Co. Inc.
1700 Lincoln St #4550
Denver CO 80203

Craig Meis
Project Number: -
Project: Stieber

MW-3

11/1/2022 11:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y211085-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.404	0.0998	mg/L	1	B2K0413	11/04/2022	11/07/2022	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2K0401	11/04/2022	11/05/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	95.9 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2K0338	11/03/2022	11/10/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	1.30	0.200	"	"	"	"	"	

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

Origins Laboratory, Inc.



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KP Kauffman Co. Inc.
1700 Lincoln St #4550
Denver CO 80203

Craig Meis
Project Number: -
Project: Stieber

MW-3

11/1/2022 11:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y211085-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	99.5 %	70-130	B2K03 38	11/03/2022	11/10/2022
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Metals by Saturated Paste by EPA 6010

Calcium	1.77	0.499	meq/L	10	[CALC]	11/04/2022	11/08/2022
Magnesium	ND	0.823	"	"	"	"	"
Sodium	2.89	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	0.0244	0.00109	0.00201	mg/Kg	1	L647481	11/07/2022	11/08/2022	
2-Methylnaphthalene	0.0213	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	0.0013	0.000304	0.00067	"	"	"	"	"	
Anthracene	0.00055	0.000334	0.00067	"	"	"	"	"	J
Benzo(a)anthracene	0.000949	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.000616	0.000468	0.00067	"	"	"	"	"	J
Benzo(b)fluoranthene	0.00122	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	0.000451	0.000437	0.00067	"	"	"	"	"	J
Chrysene	0.00234	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.000934	0.000394	0.00067	"	"	"	"	"	
Fluorene	0.00145	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	

Origins Laboratory, Inc.



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Project Number: -
Project: Stieber

MW-3

11/1/2022 11:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC. Y211085-01 (Soil)

PAH by 8270D SIM

Naphthalene	0.00843	0.00145	0.00201	mg/Kg	1	L647481	11/07/2022	11/08/2022	
Pyrene	0.00155	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	62 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	61.4 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	51.1 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.38	pH Units	1	B2K0419	11/04/2022	11/08/2022
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SAR by 20B Saturated Paste

SAR	2.57	SAR	1	B2K0409	11/04/2022	11/08/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.568	0.00500	mmhos/cm	1	B2K0424	11/04/2022	11/08/2022
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Table 915 metals by EPA 6020B

Arsenic	4.57	0.0984	mg/kg	10	B2K0404	11/04/2022	11/07/2022
Barium	198	9.84	"	"	"	"	"
Cadmium	0.247	0.0984	"	"	"	"	"

Origins Laboratory, Inc.



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Project Number: -
Project: Stieber

MW-3

11/1/2022 11:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y211085-01 (Soil)

Table 915 metals by EPA 6020B

Copper	13.8	9.84	mg/kg	10	B2K0404	11/04/2022	11/07/2022
Lead	11.4	9.84	"	"	"	"	"
Nickel	14.6	9.84	"	"	"	"	"
Selenium	0.184	0.0984	"	"	"	"	"
Silver	ND	0.0984	"	"	"	"	"
Zinc	ND	98.4	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	1.25	2.56	mg/Kg	5	L647719	11/01/2022	11/08/2022
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1700 Lincoln St #4550
Denver CO 80203

Craig Meis
Project Number: -
Project: Stieber

MW-4

11/1/2022 11:05:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y211085-02 (Soil)

Boron (DTPA Sorbitol)

Boron	1.09	0.100	mg/L	1	B2K0413	11/04/2022	11/07/2022	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2K0401	11/04/2022	11/05/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	91.8 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2K0338	11/03/2022	11/10/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	109 %	70-130	"	"	"
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Origins Laboratory, Inc.



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1700 Lincoln St #4550
Denver CO 80203

Craig Meis
Project Number: -
Project: Stieber

MW-4

11/1/2022 11:05:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y211085-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	101 %		70-130			B2K03 38	11/03/2022	11/10/2022	
Surrogate: 4-Bromofluorobenzene	101 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	6.46		0.499	meq/L	10	[CALC]	11/04/2022	11/08/2022	
Magnesium	3.05		0.823	"	"	"	"	"	
Sodium	7.52		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L647481	11/07/2022	11/08/2022	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	0.00116	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.00118	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.00186	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	0.000864	0.000437	0.00067	"	"	"	"	"	
Chrysene	0.00148	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.00182	0.000394	0.00067	"	"	"	"	"	
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	

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1700 Lincoln St #4550
Denver CO 80203

Craig Meis
Project Number: -
Project: Stieber

MW-4

11/1/2022 11:05:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC. Y211085-02 (Soil)

PAH by 8270D SIM

Indeno(1,2,3-cd)pyrene	0.00112	0.000627	0.00067	mg/Kg	1	L647481	11/07/2022	11/08/2022	
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"	
Pyrene	0.00172	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	55.6 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	69.4 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	56.2 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.44	pH Units	1	B2K0419	11/04/2022	11/08/2022
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SAR by 20B Saturated Paste

SAR	3.45	SAR	1	B2K0409	11/04/2022	11/08/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.69	0.00500	mmhos/cm	1	B2K0424	11/04/2022	11/08/2022
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Table 915 metals by EPA 6020B

Arsenic	6.33	0.0931	mg/kg	10	B2K0404	11/04/2022	11/07/2022
Barium	120	9.31	"	"	"	"	"

Origins Laboratory, Inc.



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KP Kauffman Co. Inc.
1700 Lincoln St #4550
Denver CO 80203

Craig Meis
Project Number: -
Project: Stieber

MW-4

11/1/2022 11:05:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y211085-02 (Soil)

Table 915 metals by EPA 6020B

Cadmium	0.265	0.0931	mg/kg	10	B2K0404	11/04/2022	11/07/2022
Copper	13.6	9.31	"	"	"	"	"
Lead	12.5	9.31	"	"	"	"	"
Nickel	12.5	9.31	"	"	"	"	"
Selenium	0.292	0.0931	"	"	"	"	"
Silver	ND	0.0931	"	"	"	"	"
Zinc	ND	93.1	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	1.22	2.5	mg/Kg	5	L647719	11/01/2022	11/08/2022
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Origins Laboratory, Inc.



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KP Kauffman Co. Inc.
1700 Lincoln St #4550
Denver CO 80203

Craig Meis
Project Number: -
Project: Stieber

MW-5

11/1/2022 1:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y211085-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.557	0.100	mg/L	1	B2K0413	11/04/2022	11/07/2022	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2K0401	11/04/2022	11/05/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	96.8 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2K0338	11/03/2022	11/10/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	107 %	70-130			"	"	"	
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KP Kauffman Co. Inc.
1700 Lincoln St #4550
Denver CO 80203

Craig Meis
Project Number: -
Project: Stieber

MW-5

11/1/2022 1:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y211085-03 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	100 %		70-130			B2K03 38	11/03/2022	11/10/2022	
Surrogate: 4-Bromofluorobenzene	101 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	8.39		0.499	meq/L	10	[CALC]	11/04/2022	11/08/2022	
Magnesium	3.14		0.823	"	"	"	"	"	
Sodium	9.21		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L647481	11/07/2022	11/08/2022	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"	

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.

KP Kauffman Co. Inc.
1700 Lincoln St #4550
Denver CO 80203

Craig Meis
Project Number: -
Project: Stieber

MW-5

11/1/2022 1:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC. Y211085-03 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L647481	11/07/2022	11/08/2022
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	53.2 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	66.1 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	52.3 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.49	pH Units	1	B2K0419	11/04/2022	11/08/2022
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SAR by 20B Saturated Paste

SAR	3.84	SAR	1	B2K0409	11/04/2022	11/08/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.87	0.00500	mmhos/cm	1	B2K0424	11/04/2022	11/08/2022
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Table 915 metals by EPA 6020B

Arsenic	4.35	0.0934	mg/kg	10	B2K0404	11/04/2022	11/07/2022
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Origins Laboratory, Inc.



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KP Kauffman Co. Inc.
1700 Lincoln St #4550
Denver CO 80203

Craig Meis
Project Number: -
Project: Stieber

MW-5

11/1/2022 1:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y211085-03 (Soil)

Table 915 metals by EPA 6020B

Barium	142	9.34	mg/kg	10	B2K0404	11/04/2022	11/07/2022
Cadmium	0.186	0.0934	"	"	"	"	"
Copper	13.4	9.34	"	"	"	"	"
Lead	11.5	9.34	"	"	"	"	"
Nickel	13.8	9.34	"	"	"	"	"
Selenium	0.153	0.0934	"	"	"	"	"
Silver	ND	0.0934	"	"	"	"	"
Zinc	ND	93.4	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L647719	11/01/2022	11/08/2022
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Origins Laboratory, Inc.



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KP Kauffman Co. Inc.
1700 Lincoln St #4550
Denver CO 80203

Craig Meis
Project Number: -
Project: Stieber

MW-6

11/1/2022 12:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y211085-04 (Soil)

Boron (DTPA Sorbitol)

Boron	0.592	0.0998	mg/L	1	B2K0413	11/04/2022	11/07/2022
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	58.3	25.0	mg/kg	1	B2K0401	11/04/2022	11/05/2022
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	" U

Surrogate: o-Terphenyl	98.5 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.132	0.00200	mg/kg	1	B2K0338	11/03/2022	11/10/2022
1,3,5-Trimethylbenzene	0.120	0.00200	"	"	"	"	"
Benzene	ND	0.00200	"	"	"	"	" U
Ethylbenzene	0.0449	0.00200	"	"	"	"	"
Toluene	ND	0.00200	"	"	"	"	" U
Xylenes, total	0.0529	0.00200	"	"	"	"	"
Gasoline Range Hydrocarbons	244	5.00	"	25	"	"	11/11/2022

Surrogate: 1,2-Dichloroethane-d4	107 %	70-130	"	"	11/10/2022
Surrogate: Toluene-d8	119 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	97.8 %	70-130	"	"	"

Origins Laboratory, Inc.



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KP Kauffman Co. Inc.
1700 Lincoln St #4550
Denver CO 80203

Craig Meis
Project Number: -
Project: Stieber

MW-6

11/1/2022 12:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y211085-04 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	1.69	0.499	meq/L	10	[CALC]	11/04/2022	11/08/2022
Magnesium	0.951	0.823	"	"	"	"	"
Sodium	3.96	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	0.459	0.00549	0.0101	mg/Kg	5	L647481	11/07/2022	11/08/2022
2-Methylnaphthalene	0.776	0.00972	0.0101	"	"	"	"	"
Acenaphthene	0.0297	0.00152	0.00335	"	"	"	"	"
Anthracene	0.00366	0.00167	0.00335	"	"	"	"	"
Benzo(a)anthracene	0.00573	0.00247	0.00335	"	"	"	"	"
Benzo(a)pyrene	ND	0.00234	0.00335	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.00293	0.00335	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.00219	0.00335	"	"	"	"	"
Chrysene	0.0166	0.00312	0.00335	"	"	"	"	"
Dibenz(a,h)anthracene	0.00384	0.00307	0.00335	"	"	"	"	"
Fluoranthene	0.00325	0.00197	0.00335	"	"	"	"	"
Fluorene	0.0829	0.00143	0.00335	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.00314	0.00335	"	"	"	"	"
Naphthalene	0.29	0.0073	0.0101	"	"	"	"	"
Pyrene	0.00983	0.00322	0.00335	"	"	"	"	"
Surrogate: 2-Fluorobiphenyl	66.5 %		33-115			"	"	"
Surrogate: 4-Terphenyl-d14	67.4 %		33-122			"	"	"

Origins Laboratory, Inc.



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KP Kauffman Co. Inc.
1700 Lincoln St #4550
Denver CO 80203

Craig Meis
Project Number: -
Project: Stieber

MW-6

11/1/2022 12:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC. Y211085-04 (Soil)

PAH by 8270D SIM

Surrogate: Nitrobenzene-d5	66.2 %	29-110	L6474 81	11/07/2022	11/08/2022
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pH in Soil by 9045D

pH	8.35	pH Units	1	B2K0419	11/04/2022	11/08/2022
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SAR by 20B Saturated Paste

SAR	3.45	SAR	1	B2K0409	11/04/2022	11/08/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.728	0.00500	mmhos/cm	1	B2K0424	11/04/2022	11/08/2022
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Table 915 metals by EPA 6020B

Arsenic	4.52	0.0959	mg/kg	10	B2K0404	11/04/2022	11/07/2022
Barium	142	9.59	"	"	"	"	"
Cadmium	0.179	0.0959	"	"	"	"	"
Copper	13.4	9.59	"	"	"	"	"
Lead	11.0	9.59	"	"	"	"	"
Nickel	13.4	9.59	"	"	"	"	"
Selenium	0.135	0.0959	"	"	"	"	"
Silver	ND	0.0959	"	"	"	"	"
Zinc	ND	95.9	"	"	"	"	"

Origins Laboratory, Inc.



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KP Kauffman Co. Inc.
1700 Lincoln St #4550
Denver CO 80203

Craig Meis
Project Number: -
Project: Stieber

MW-6

11/1/2022 12:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y211085-04 (Soil)

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L647719	11/01/2022	11/08/2022	
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Origins Laboratory, Inc.



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KP Kauffman Co. Inc.
1700 Lincoln St #4550
Denver CO 80203

Craig Meis
Project Number: -
Project: Stieber

MW-7-9

11/1/2022 9:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y211085-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.383	0.0998	mg/L	1	B2K0413	11/04/2022	11/07/2022	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2K0401	11/04/2022	11/05/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	95.9 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2K0338	11/03/2022	11/10/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	106 %	70-130	"	"	"
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Origins Laboratory, Inc.



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KP Kauffman Co. Inc.
1700 Lincoln St #4550
Denver CO 80203

Craig Meis
Project Number: -
Project: Stieber

MW-7-9

11/1/2022 9:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y211085-05 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	99.5 %	70-130	B2K03 38	11/03/2022	11/10/2022
Surrogate: 4-Bromofluorobenzene	99.4 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	2.59	0.499	meq/L	10	[CALC]	11/04/2022	11/08/2022
Magnesium	1.48	0.823	"	"	"	"	"
Sodium	3.49	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L647481	11/07/2022	11/08/2022
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



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KP Kauffman Co. Inc.
1700 Lincoln St #4550
Denver CO 80203

Craig Meis
Project Number: -
Project: Stieber

MW-7-9

11/1/2022 9:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC. Y211085-05 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L647481	11/07/2022	11/08/2022
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	51.1 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	65.6 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	51.1 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.24	pH Units	1	B2K0419	11/04/2022	11/08/2022
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SAR by 20B Saturated Paste

SAR	2.45	SAR	1	B2K0409	11/04/2022	11/08/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.768	0.00500	mmhos/cm	1	B2K0424	11/04/2022	11/08/2022
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Table 915 metals by EPA 6020B

Arsenic	4.19	0.0994	mg/kg	10	B2K0404	11/04/2022	11/07/2022
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Origins Laboratory, Inc.



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KP Kauffman Co. Inc.
1700 Lincoln St #4550
Denver CO 80203

Craig Meis
Project Number: -
Project: Stieber

MW-7-9

11/1/2022 9:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y211085-05 (Soil)

Table 915 metals by EPA 6020B

Barium	175	9.94	mg/kg	10	B2K0404	11/04/2022	11/07/2022
Cadmium	0.226	0.0994	"	"	"	"	"
Copper	13.3	9.94	"	"	"	"	"
Lead	10.6	9.94	"	"	"	"	"
Nickel	13.8	9.94	"	"	"	"	"
Selenium	0.143	0.0994	"	"	"	"	"
Silver	ND	0.0994	"	"	"	"	"
Zinc	ND	99.4	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L647719	11/01/2022	11/08/2022
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Origins Laboratory, Inc.



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KP Kauffman Co. Inc.
1700 Lincoln St #4550
Denver CO 80203

Craig Meis
Project Number: -
Project: Stieber

MW-8-9

11/1/2022 10:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y211085-06 (Soil)

Boron (DTPA Sorbitol)

Boron	0.362	0.0999	mg/L	1	B2K0413	11/04/2022	11/07/2022	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2K0401	11/04/2022	11/05/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	93.8 %	50-150	"	"	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2K0338	11/03/2022	11/10/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	107 %	70-130	"	"	"	"	"
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Origins Laboratory, Inc.



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KP Kauffman Co. Inc.
1700 Lincoln St #4550
Denver CO 80203

Craig Meis
Project Number: -
Project: Stieber

MW-8-9

11/1/2022 10:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y211085-06 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	101 %	70-130	B2K03 38	11/03/2022	11/10/2022
Surrogate: 4-Bromofluorobenzene	97.9 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	2.31	0.499	meq/L	10	[CALC]	11/04/2022	11/08/2022
Magnesium	0.958	0.823	"	"	"	"	"
Sodium	2.76	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L647481	11/07/2022	11/08/2022
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



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KP Kauffman Co. Inc.
1700 Lincoln St #4550
Denver CO 80203

Craig Meis
Project Number: -
Project: Stieber

MW-8-9

11/1/2022 10:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC. Y211085-06 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L647481	11/07/2022	11/08/2022
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	50.5 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	64.2 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	52.6 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.21	pH Units	1	B2K0419	11/04/2022	11/08/2022
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SAR by 20B Saturated Paste

SAR	2.16	SAR	1	B2K0409	11/04/2022	11/08/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.636	0.00500	mmhos/cm	1	B2K0424	11/04/2022	11/08/2022
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Table 915 metals by EPA 6020B

Arsenic	4.74	0.0950	mg/kg	10	B2K0404	11/04/2022	11/07/2022
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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.

KP Kauffman Co. Inc.
1700 Lincoln St #4550
Denver CO 80203

Craig Meis
Project Number: -
Project: Stieber

MW-8-9

11/1/2022 10:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y211085-06 (Soil)

Table 915 metals by EPA 6020B

Barium	147	9.50	mg/kg	10	B2K0404	11/04/2022	11/07/2022
Cadmium	0.197	0.0950	"	"	"	"	"
Copper	12.6	9.50	"	"	"	"	"
Lead	10.5	9.50	"	"	"	"	"
Nickel	13.7	9.50	"	"	"	"	"
Selenium	0.176	0.0950	"	"	"	"	"
Silver	ND	0.0950	"	"	"	"	"
Zinc	ND	95.0	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L647719	11/01/2022	11/08/2022
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Origins Laboratory, Inc.



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KP Kauffman Co. Inc.
1700 Lincoln St #4550
Denver CO 80203

Craig Meis
Project Number: -
Project: Stieber

MW-9-9

11/1/2022 8:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y211085-07 (Soil)

Boron (DTPA Sorbitol)

Boron	0.977	0.0999	mg/L	1	B2K0413	11/04/2022	11/07/2022	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2K0401	11/04/2022	11/05/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	95.9 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2K0338	11/03/2022	11/10/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	106 %	70-130	"	"	"
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Origins Laboratory, Inc.



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KP Kauffman Co. Inc.
1700 Lincoln St #4550
Denver CO 80203

Craig Meis
Project Number: -
Project: Stieber

MW-9-9

11/1/2022 8:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y211085-07 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	101 %		70-130			B2K03 38	11/03/2022	11/10/2022	
Surrogate: 4-Bromofluorobenzene	101 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	8.34		0.499	meq/L	10	[CALC]	11/04/2022	11/08/2022	
Magnesium	4.19		0.823	"	"	"	"	"	
Sodium	12.7		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L647481	11/07/2022	11/08/2022	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"	

Origins Laboratory, Inc.



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KP Kauffman Co. Inc.
1700 Lincoln St #4550
Denver CO 80203

Craig Meis
Project Number: -
Project: Stieber

MW-9-9

11/1/2022 8:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC. Y211085-07 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L647481	11/07/2022	11/08/2022
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	52 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	65.8 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	56.2 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.20	pH Units	1	B2K0419	11/04/2022	11/08/2022
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SAR by 20B Saturated Paste

SAR	5.07	SAR	1	B2K0409	11/04/2022	11/08/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.43	0.00500	mmhos/cm	1	B2K0424	11/04/2022	11/08/2022
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Table 915 metals by EPA 6020B

Arsenic	4.55	0.0994	mg/kg	10	B2K0404	11/04/2022	11/07/2022
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Origins Laboratory, Inc.



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KP Kauffman Co. Inc.
1700 Lincoln St #4550
Denver CO 80203

Craig Meis
Project Number: -
Project: Stieber

MW-9-9

11/1/2022 8:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y211085-07 (Soil)

Table 915 metals by EPA 6020B

Barium	173	9.94	mg/kg	10	B2K0404	11/04/2022	11/07/2022
Cadmium	0.242	0.0994	"	"	"	"	"
Copper	13.2	9.94	"	"	"	"	"
Lead	10.6	9.94	"	"	"	"	"
Nickel	13.5	9.94	"	"	"	"	"
Selenium	0.126	0.0994	"	"	"	"	"
Silver	ND	0.0994	"	"	"	"	"
Zinc	ND	99.4	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L647719	11/01/2022	11/08/2022
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Origins Laboratory, Inc.



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KP Kauffman Co. Inc.
1700 Lincoln St #4550
Denver CO 80203

Craig Meis
Project Number: -
Project: Stieber

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 B2K0338 - EPA 5030 (soil)										
Blank (B2K0338-BLK1)					Prepared: 11/03/2022 Analyzed: 11/10/2022					
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	104		70-130			
Surrogate: Toluene-d8	0.13		"	0.125	103		70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125	100		70-130			

Origins Laboratory, Inc.



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KP Kauffman Co. Inc.
1700 Lincoln St #4550
Denver CO 80203

Craig Meis
Project Number: -
Project: Stieber

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2K0338 - EPA 5030 (soil)

LCS (B2K0338-BS1)

Prepared: 11/03/2022 Analyzed: 11/10/2022

1,2,4-Trimethylbenzene	0.0956	0.00200	mg/kg	0.100		95.6	70-130			
1,3,5-Trimethylbenzene	0.0964	0.00200	"	0.100		96.4	70-130			
Benzene	0.0816	0.00200	"	0.100		81.6	70-130			
Ethylbenzene	0.0948	0.00200	"	0.100		94.8	70-130			
Naphthalene	0.0909	0.00380	"	0.100		90.9	70-130			
Toluene	0.0881	0.00200	"	0.100		88.1	70-130			
o-Xylene	0.0952	0.00200	"	0.100		95.2	70-130			
m,p-Xylene	0.190	0.00400	"	0.200		95.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		98.2	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		104	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.9	70-130			

Origins Laboratory, Inc.



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KP Kauffman Co. Inc.
1700 Lincoln St #4550
Denver CO 80203

Craig Meis
Project Number: -
Project: Stieber

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 B2K0338 - EPA 5030 (soil)										
Matrix Spike (B2K0338-MS1)		Source: Y211085-01			Prepared: 11/03/2022 Analyzed: 11/10/2022					
1,2,4-Trimethylbenzene	0.103	0.00200	mg/kg	0.100	0.00168	102	70-130			
1,3,5-Trimethylbenzene	0.106	0.00200	"	0.100	0.00148	104	70-130			
Benzene	0.0996	0.00200	"	0.100	ND	99.6	70-130			
Ethylbenzene	0.105	0.00200	"	0.100	ND	105	70-130			
Naphthalene	0.102	0.00380	"	0.100	0.00354	98.1	70-130			
Toluene	0.0994	0.00200	"	0.100	ND	99.4	70-130			
o-Xylene	0.106	0.00200	"	0.100	ND	106	70-130			
m,p-Xylene	0.210	0.00400	"	0.200	ND	105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		100	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		103	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.1	70-130			

Origins Laboratory, Inc.



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KP Kauffman Co. Inc.
1700 Lincoln St #4550
Denver CO 80203

Craig Meis
Project Number: -
Project: Stieber

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 B2K0338 - EPA 5030 (soil)										
Matrix Spike Dup (B2K0338-MSD1)		Source: Y211085-01			Prepared: 11/03/2022 Analyzed: 11/10/2022					
1,2,4-Trimethylbenzene	0.136	0.00200	mg/kg	0.100	0.00168	134	70-130	27.1	20	QM-07
1,3,5-Trimethylbenzene	0.139	0.00200	"	0.100	0.00148	138	70-130	27.4	20	QM-07
Benzene	0.130	0.00200	"	0.100	ND	130	70-130	26.7	20	QM-07
Ethylbenzene	0.136	0.00200	"	0.100	ND	136	70-130	25.7	20	QM-07
Naphthalene	0.138	0.00380	"	0.100	0.00354	135	70-130	30.5	20	QM-07
Toluene	0.132	0.00200	"	0.100	ND	132	70-130	28.2	20	QM-07
o-Xylene	0.137	0.00200	"	0.100	ND	137	70-130	25.9	20	QM-07
m,p-Xylene	0.272	0.00400	"	0.200	ND	136	70-130	25.9	20	QM-07
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		105	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		103	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.9	70-130			

Origins Laboratory, Inc.



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KP Kauffman Co. Inc.
1700 Lincoln St #4550
Denver CO 80203

Craig Meis
Project Number: -
Project: Stieber

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 B2K0401 - EPA 3580										
Blank (B2K0401-BLK1)					Prepared: 11/04/2022 Analyzed: 11/05/2022					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	26		"	24.9		103	50-150			

Origins Laboratory, Inc.



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KP Kauffman Co. Inc.
1700 Lincoln St #4550
Denver CO 80203

Craig Meis
Project Number: -
Project: Stieber

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 B2K0401 - EPA 3580

LCS (B2K0401-BS1)

Prepared: 11/04/2022 Analyzed: 11/05/2022

Diesel (C10-C28)	1030	50.0	mg/kg	1000		103	70-130			
Residual Range Organics (C28-C40)	1040	200	"	1000		104	70-130			
Surrogate: o-Terphenyl	50		"	49.8		101	50-150			

Origins Laboratory, Inc.



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KP Kauffman Co. Inc.
1700 Lincoln St #4550
Denver CO 80203

Craig Meis
Project Number: -
Project: Stieber

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 B2K0401 - EPA 3580										
Matrix Spike (B2K0401-MS1)		Source: Y211077-01			Prepared: 11/04/2022 Analyzed: 11/05/2022					
Diesel (C10-C28)	9900	50.0	mg/kg	1000	9050	84.7	70-130			QM-07
Residual Range Organics (C28-C40)	3940	200	"	1000	3050	89.2	70-130			QM-07
Surrogate: o-Terphenyl	280		"	49.8		568	50-150			S-04

Origins Laboratory, Inc.



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KP Kauffman Co. Inc.
1700 Lincoln St #4550
Denver CO 80203

Craig Meis
Project Number: -
Project: Stieber

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 B2K0401 - EPA 3580										
Matrix Spike Dup (B2K0401-MSD1)		Source: Y211077-01			Prepared: 11/04/2022 Analyzed: 11/05/2022					
Diesel (C10-C28)	11400	50.0	mg/kg	1000	9050	236	70-130	14.2	35	QM-07
Residual Range Organics (C28-C40)	5460	200	"	1000	3050	241	70-130	32.2	35	QM-07
Surrogate: o-Terphenyl	120		"	49.8		248	50-150			S-04

Origins Laboratory, Inc.



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KP Kauffman Co. Inc.
1700 Lincoln St #4550
Denver CO 80203

Craig Meis
Project Number: -
Project: Stieber

Extractable Petroleum Hydrocarbons by 8015D - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Metals by EPA 6000/7000 Series Methods - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2K0404 - EPA 3050B

Blank (B2K0404-BLK1)

Prepared: 11/04/2022 Analyzed: 11/08/2022

Arsenic	ND	0.000100	mg/kg
Barium	ND	0.0100	"
Cadmium	ND	0.000100	"
Copper	ND	0.0100	"
Lead	ND	0.0100	"
Nickel	ND	0.0100	"
Selenium	ND	0.000100	"
Silver	ND	0.000100	"
Zinc	ND	0.100	"

LCS (B2K0404-BS1)

Prepared: 11/04/2022 Analyzed: 11/07/2022

Arsenic	0.0500	0.000100	mg/kg	0.0500	99.9	80-120
Barium	4.93	0.0100	"	5.00	98.6	80-120
Cadmium	0.0508	0.000100	"	0.0500	102	80-120
Copper	0.540	0.0100	"	0.500	108	80-120
Lead	0.0507	0.0100	"	0.0500	101	80-120
Nickel	0.0519	0.0100	"	0.0500	104	80-120
Selenium	0.0486	0.000100	"	0.0500	97.1	80-120
Silver	0.0523	0.000100	"	0.0500	105	80-120
Zinc	0.513	0.100	"	0.500	103	80-120

Matrix Spike (B2K0404-MS1)

Source: Y211049-19

Prepared: 11/04/2022 Analyzed: 11/07/2022

Origins Laboratory, Inc.



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KP Kauffman Co. Inc.
1700 Lincoln St #4550
Denver CO 80203

Craig Meis
Project Number: -
Project: Stieber

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 B2K0404 - EPA 3050B

Matrix Spike (B2K0404-MS1)		Source: Y211049-19			Prepared: 11/04/2022 Analyzed: 11/07/2022					
Arsenic	6.96	0.0967	mg/kg	4.83	3.08	80.2	75-125			
Barium	564	9.67	"	483	99.1	96.2	75-125			
Cadmium	5.09	0.0967	"	4.83	0.262	99.8	75-125			
Copper	65.1	9.67	"	48.3	18.6	96.2	75-125			
Lead	19.8	9.67	"	4.83	17.5	46.9	75-125			QM-07
Nickel	10.6	9.67	"	4.83	7.10	72.8	75-125			QM-07
Selenium	4.57	0.0967	"	4.83	0.240	89.7	75-125			
Silver	5.15	0.0967	"	4.83	0.171	103	75-125			
Zinc	95.8	96.7	"	48.3	58.6	76.9	75-125			
Matrix Spike Dup (B2K0404-MSD1)		Source: Y211049-19			Prepared: 11/04/2022 Analyzed: 11/07/2022					
Arsenic	7.14	0.0965	mg/kg	4.82	3.08	84.1	75-125	2.55	20	
Barium	550	9.65	"	482	99.1	93.5	75-125	2.52	20	
Cadmium	4.97	0.0965	"	4.82	0.262	97.7	75-125	2.27	20	
Copper	64.4	9.65	"	48.2	18.6	95.0	75-125	1.02	20	
Lead	18.6	9.65	"	4.82	17.5	21.5	75-125	6.42	20	QM-07
Nickel	10.2	9.65	"	4.82	7.10	64.3	75-125	3.99	20	QM-07
Selenium	4.60	0.0965	"	4.82	0.240	90.4	75-125	0.526	20	
Silver	5.12	0.0965	"	4.82	0.171	103	75-125	0.420	20	
Zinc	93.6	96.5	"	48.2	58.6	72.7	75-125	2.24	20	QM-07

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KP Kauffman Co. Inc.
1700 Lincoln St #4550
Denver CO 80203

Craig Meis
Project Number: -
Project: Stieber

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 B2K0409 - Saturated Paste Metals

Blank (B2K0409-BLK1)

Prepared: 11/04/2022 Analyzed: 11/08/2022

Calcium PPM	ND	10.0	mg/L
SAR	0.00		SAR
Magnesium PPM	ND	10.0	mg/L
Sodium PPM	ND	10.0	"

Duplicate (B2K0409-DUP1)

Source: Y211077-01

Prepared: 11/04/2022 Analyzed: 11/08/2022

Calcium PPM	153	100	mg/L	170	11.1	50
SAR	0.00		SAR	37.1	200	200
Magnesium PPM	41.2	100	mg/L	44.1	6.59	50
Sodium PPM	2010	100	"	2100	4.46	50

Batch B2K0413 - DTPA Sorbitol Preparation

Blank (B2K0413-BLK1)

Prepared: 11/04/2022 Analyzed: 11/07/2022

Boron	ND	0.100	mg/L
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Duplicate (B2K0413-DUP1)

Source: Y211077-05

Prepared: 11/04/2022 Analyzed: 11/07/2022

Boron	1.13	0.0998	mg/L	1.06	6.21	50
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Craig Meis
Project Number: -
Project: Stieber

Saturated Paste - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B2K0419 - NO PREP										
Duplicate (B2K0419-DUP1)		Source: Y211077-01			Prepared: 11/04/2022 Analyzed: 11/08/2022					
pH	7.18		pH Units		7.55			5.02	25	
Batch B2K0424 - Default Prep GenChem										
Blank (B2K0424-BLK1)		Prepared: 11/04/2022 Analyzed: 11/08/2022								
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
Duplicate (B2K0424-DUP1)		Source: Y211077-01			Prepared: 11/04/2022 Analyzed: 11/08/2022					
Specific Conductance (EC)	11.0	0.00500	mmhos/cm		12.2			9.91	25	

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L647481 - 3550B

MSD (L 87555-MSD-L647481)		Source: 87555			Prepared: 11/07/2022 Analyzed: 11/08/2022					
Benzo(b)fluoranthene	0.0719	0.00067	mg/Kg	0.167	0.000968	42.4	30-130	16.2	30	
Pyrene	0.0868	0.00067	"	0.167	0.00124	51.2	30-130	23.5	30	
Naphthalene	0.0868	0.00201	"	0.167	<0.00145	51.9	30-130	8.4	30	
Indeno(1,2,3-cd)pyrene	0.0899	0.00067	"	0.167	<0.000627	53.8	30-130	21.8	30	
Fluorene	0.0919	0.00067	"	0.167	<0.000286	55	30-130	6.6	30	
Fluoranthene	0.108	0.00067	"	0.167	0.000755	64.2	30-130	1.8	30	
Dibenz(a,h)anthracene	0.102	0.00067	"	0.167	<0.000614	61	30-130	21	30	
Chrysene	0.0906	0.00067	"	0.167	0.00122	53.5	30-130	10.8	30	
Benzo(k)fluoranthene	0.0755	0.00067	"	0.167	0.000522	44.8	30-130	21.8	30	
1-Methylnaphthalene	0.0826	0.00201	"	0.167	<0.00109	49.4	30-130	19	30	
Benzo(a)anthracene	0.0978	0.00067	"	0.167	0.000805	58	30-130	3.2	30	
Acenaphthene	0.0904	0.00067	"	0.167	<0.000304	54.1	30-130	7.5	30	
2-Methylnaphthalene	0.0809	0.00201	"	0.167	<0.00194	48.4	30-130	19.3	30	
Benzo(a)pyrene	0.0944	0.00067	"	0.167	0.000899	55.9	30-130	5.5	30	
Anthracene	0.091	0.00067	"	0.167	<0.000334	54.4	30-130	7.4	30	
Surrogate: 4-Terphenyl-d14	58.5		"	0.333	209	58.5	33-122			
Surrogate: Nitrobenzene-d5	46.5		"	0.333	181	46.5	29-110			
Surrogate: 2-Fluorobiphenyl	49.2		"	0.333	178	49.2	33-115			

MS (L 87555-MS-L647481)		Source: 87555			Prepared: 11/07/2022 Analyzed: 11/08/2022					
Benzo(b)fluoranthene	0.0846	0.00067	mg/Kg	0.166	0.000968	50.3	30-130			
Chrysene	0.101	0.00067	"	0.166	0.00122	60.1	30-130			
Pyrene	0.11	0.00067	"	0.166	0.00124	65.5	30-130			
Fluoranthene	0.11	0.00067	"	0.166	0.000755	65.8	30-130			
Fluorene	0.0982	0.00067	"	0.166	<0.000286	59.1	30-130			
Indeno(1,2,3-cd)pyrene	0.112	0.00067	"	0.166	<0.000627	67.4	30-130			
Naphthalene	0.0945	0.00201	"	0.166	<0.00145	56.9	30-130			

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Craig Meis
Project Number: -
Project: Stieber

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L647481 - 3550B

MS (L 87555-MS-L647481)		Source: 87555			Prepared: 11/07/2022 Analyzed: 11/08/2022					
Benzo(k)fluoranthene	0.094	0.00067	mg/Kg	0.166	0.000522	56.3	30-130			
Benzo(a)pyrene	0.0998	0.00067	"	0.166	0.000899	59.5	30-130			
Anthracene	0.098	0.00067	"	0.166	<0.000334	59	30-130			
Acenaphthene	0.0975	0.00067	"	0.166	<0.000304	58.7	30-130			
2-Methylnaphthalene	0.0982	0.00201	"	0.166	<0.00194	59.1	30-130			
1-Methylnaphthalene	0.1	0.00201	"	0.166	<0.00109	60.2	30-130			
Benzo(a)anthracene	0.101	0.00067	"	0.166	0.000805	60.3	30-130			
Dibenz(a,h)anthracene	0.126	0.00067	"	0.166	<0.000614	75.9	30-130			
Surrogate: Nitrobenzene-d5	56.6		"	0.332	181	56.6	29-110			
Surrogate: 4-Terphenyl-d14	62.6		"	0.332	209	62.6	33-122			
Surrogate: 2-Fluorobiphenyl	59.9		"	0.332	178	59.9	33-115			

LCS (LCS-L647481)		Prepared: 11/07/2022 Analyzed: 11/08/2022								
Benzo(b)fluoranthene	0.073	0.00067	mg/Kg	0.167		43.7	30-130			
Benzo(k)fluoranthene	0.0734	0.00067	"	0.167		43.9	30-130			
Chrysene	0.103	0.00067	"	0.167		61.6	30-130			
Fluoranthene	0.0989	0.00067	"	0.167		59.2	30-130			
Benzo(a)pyrene	0.103	0.00067	"	0.167		61.6	30-130			
Naphthalene	0.0971	0.00201	"	0.167		58.1	30-130			
Dibenz(a,h)anthracene	0.115	0.00067	"	0.167		68.8	30-130			
Pyrene	0.0978	0.00067	"	0.167		58.5	30-130			
Indeno(1,2,3-cd)pyrene	0.0995	0.00067	"	0.167		59.5	30-130			
Anthracene	0.0997	0.00067	"	0.167		59.7	30-130			
Acenaphthene	0.0995	0.00067	"	0.167		59.5	30-130			
2-Methylnaphthalene	0.0895	0.00201	"	0.167		53.5	30-130			
1-Methylnaphthalene	0.0893	0.00201	"	0.167		53.4	30-130			
Fluorene	0.102	0.00067	"	0.167		61	30-130			

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Project Number: -
Project: Stieber

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L647481 - 3550B										
LCS (LCS-L647481)					Prepared: 11/07/2022 Analyzed: 11/08/2022					
Benzo(a)anthracene	0.103	0.00067	mg/Kg	0.167		61.6	30-130			
Surrogate: Nitrobenzene-d5	54.6		"	0.333		54.6	29-110			
Surrogate: 4-Terphenyl-d14	71.1		"	0.333		71.1	33-122			
Surrogate: 2-Fluorobiphenyl	52.8		"	0.333		52.8	33-115			
LRB (LRB-L647481)					Prepared: 11/07/2022 Analyzed: 11/08/2022					
Naphthalene	ND	0.00201	mg/Kg				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00201	"				-			
1-Methylnaphthalene	ND	0.00201	"				-			
Pyrene	ND	0.00067	"				-			
Surrogate: 2-Fluorobiphenyl	57		"	0.333		57	33-115			
Surrogate: Nitrobenzene-d5	54.9		"	0.333		54.9	29-110			
Surrogate: 4-Terphenyl-d14	62.7		"	0.333		62.7	33-122			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L647719 -										
DUP (L 87033-DUP)		Source: 87033			Prepared: Analyzed: 11/08/2022					
Chromium, Hexavalent	ND	0.5	mg/Kg		<0.500	-		0	20	
MS (L 87033-MS)		Source: 87033			Prepared: Analyzed: 11/08/2022					
Chromium, Hexavalent	33.7	2.5	mg/Kg	39	< 0.244	86	75-125			
MSD (L 87033-MSD)		Source: 87033			Prepared: Analyzed: 11/08/2022					
Chromium, Hexavalent	615	52	mg/Kg	750	<25.4	82	75-125			
LCS (LCS)					Prepared: Analyzed: 11/08/2022					
Chromium, Hexavalent	7.19	0.5	mg/Kg	8		90	75-125			
LRB (LRB)					Prepared: Analyzed: 11/08/2022					
Chromium, Hexavalent	ND	0.5	mg/Kg							

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1700 Lincoln St #4550
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Notes and Definitions

- U Sample is Non-Detect.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- 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 Estimated Value. Analyte below reported quantitation 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.

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