



February 06, 2023

KP Kauffman Co. Inc.

Levi Kirk

1700 Lincoln St #4550

Denver

CO 80203

**Project Name - McElwain 32-17**

**Project Number - [none]**

Attached are your analytical results for McElwain 32-17 received by Origins Laboratory, Inc. January 26, 2023. This project is associated with Origins project number Y301440-01.

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

KP Kauffman Co. Inc.

1700 Lincoln St #4550

Denver CO 80203

Levi Kirk

Project Number: [none]

Project: McElwain 32-17

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-2@5'	Y301440-01	Soil	January 26, 2023 9:35	01/26/2023 15:12
SS-12@3'	Y301440-02	Soil	January 26, 2023 10:25	01/26/2023 15:12
SS-13@3'	Y301440-03	Soil	January 26, 2023 10:30	01/26/2023 15:12
SS-15@3'	Y301440-04	Soil	January 26, 2023 10:40	01/26/2023 15:12
SS-1@5'	Y301440-05	Soil	January 26, 2023 9:30	01/26/2023 15:12
SS-5@3'	Y301440-06	Soil	January 26, 2023 9:50	01/26/2023 15:12
SS-8@3'	Y301440-07	Soil	January 26, 2023 10:05	01/26/2023 15:12

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, Project Manager

KP Kauffman Co. Inc.

1700 Lincoln St #4550

Denver CO 80203

Levi Kirk

Project Number: [none]

Project: McElwain 32-17

www.originslaboratory.com

page 1 of 2

4301440

# ORIGINS

LABORATORY, INC

Client:	K. P. Kauffman	Project Manager:	Levi Kirk
Address:	1675 Broadway Denver, CO 80202	Project Name:	McElwain 32-17
Telephone Number:	303.825.4822	Project Number:	
Email Address:	PrimaryContractor@marcomilc.net	Samples Collected By:	SR+BR

Fax: 303.265.9645

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix		Analysis	Sample Instructions
				Unpreserved	HCl	HNO <sub>3</sub>	Groundwater	Soil	Air Summa #		
SS-2005'	12/23	0935	2					X		X	1
SS-1203'	12/23	1025	2					X		X	2
SS-1303'	12/23	1030	2					X		X	3
SS-1503'	12/23	1040	2					X		X	4
											5
											6
											7
											8
											9
											10

  

Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Turnaround Time:
J. Romy [Signature]	12/23	1512	CHS	12/23	1512	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:	

Date Results Needed

84

Origins Laboratory, Inc.

*Jen 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.

Jen Pellegrini, Project Manager

KP Kauffman Co. Inc.

1700 Lincoln St #4550

Denver CO 80203

Levi Kirk

Project Number: [none]

Project: McElwain 32-17

www.originslaboratory.com

page 2 of 2

4301446

ORIGINS LABORATORY, INC

Client: K. P. Kauffman  
Address: 1675 Broadway Denver, CO 80202

Project Manager: Levi Kirk  
Project Name: McElwain 32-17  
Project Number: —  
Samples Collected By: JR+BR

Telephone Number: 303.825.4822  
Email Address: PrimaryContractor@marcomllc.net

Fax: 303.265.9645

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Air Summa Canister #		
SS-1251	1/26/23	0930	2					X			Full Table 915-	1
SS-5031	1/26/23	0450	2					X				2
SS-8031	1/26/23	1005	2					X				3
												4
												5
												6
												7
												8
												9
												10

Relinquished By: J. P. Kauffman Date: 1/26/23 Time: 1512

Relinquished By: Date: Date: Time: Time:

Received By: EHS Date: 1/26/23 Time: 1512

Received By: Date: Date: Time: Time:

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

Date Results Needed: 8.4

Origins Laboratory, Inc.

Jen 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.

KP Kauffman Co. Inc.

1700 Lincoln St #4550

Denver CO 80203

Levi Kirk

Project Number: [none]

Project: McElwain 32-17

Origins Laboratory

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

### Sample Receipt Checklist

Origins Work Order: 4301440

Client: KP Kauffman

Client Project ID: McElwain 32-17

Checklist Completed by: EH5/SM

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

Date/time completed: 11/26/23

Airbill #: NA

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

Cooler Number/Temperature: 1 18.4 °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 <sup>(1)</sup> ?		<input checked="" type="checkbox"/>		SD
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 <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<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 <sup>(1)</sup> ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH < 2 for samples preserved with HNO <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH > 10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	
Additional Comments (if any):				

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

Reviewed by: JB (Project Manager)

Date/Time Reviewed: 1-27-23

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.



KP Kauffman Co. Inc.

1700 Lincoln St #4550

Denver CO 80203

Levi Kirk

Project Number: [none]

Project: McElwain 32-17

SS-2@5'

1/26/2023 9:35:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

**Origins Laboratory, Inc.**  
Y301440-01 (Soil)

**Boron (DTPA Sorbitol)**

Boron	1.05	0.0999	mg/L	1	B3A2710	KAP	01/27/2023	01/30/2023	
-------	------	--------	------	---	---------	-----	------------	------------	--

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3A2720	ZZZ	01/27/2023	01/31/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	81.6 %	50-150			"	"	"	
------------------------	--------	--------	--	--	---	---	---	--

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3A3019	ZZZ	01/30/2023	01/31/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Naphthalene	ND	0.00380	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4	102 %	70-130			"	"	"
Surrogate: Toluene-d8	88.9 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	97.3 %	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.

KP Kauffman Co. Inc.

1700 Lincoln St #4550

Denver CO 80203

Levi Kirk

Project Number: [none]

Project: McElwain 32-17

SS-2@5'

1/26/2023 9:35:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc.

Y301440-01 (Soil)

## Metals by Saturated Paste by EPA 6010

Calcium	16.5	4.99	meq/L	100	[CALC]	KAP	01/27/2023	01/31/2023
Magnesium	31.6	8.23	"	"	"	KAP	"	"
Sodium	89.1	4.35	"	"	"	KAP	"	"

## pH in Soil by 9045D

pH	8.14		pH Units	1	B3A2721	HJD	01/27/2023	01/28/2023
----	------	--	----------	---	---------	-----	------------	------------

## SAR by 20B Saturated Paste

SAR	18.2		SAR	1	B3A2706	KAP	01/27/2023	01/31/2023
-----	------	--	-----	---	---------	-----	------------	------------

## Specific Conductance Mod. 9050A

Specific Conductance (EC)	3.78	0.00500	mmhos/cm	1	B3A2721	HJD	01/27/2023	01/28/2023
---------------------------	------	---------	----------	---	---------	-----	------------	------------

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, Project Manager

KP Kauffman Co. Inc.

1700 Lincoln St #4550

Denver CO 80203

Levi Kirk

Project Number: [none]

Project: McElwain 32-17

SS-12@3'

1/26/2023 10:25:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

**Origins Laboratory, Inc.**  
Y301440-02 (Soil)

**Boron (DTPA Sorbitol)**

Boron	0.705	0.0999	mg/L	1	B3A2710	KAP	01/27/2023	01/30/2023	
-------	-------	--------	------	---	---------	-----	------------	------------	--

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3A2720	ZZZ	01/27/2023	01/31/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	84.5 %	50-150			"	"	"	
------------------------	--------	--------	--	--	---	---	---	--

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3A3019	ZZZ	01/30/2023	01/31/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Naphthalene	ND	0.00380	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4	100 %	70-130			"	"	"
Surrogate: Toluene-d8	88.6 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	97.6 %	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.



KP Kauffman Co. Inc.

1700 Lincoln St #4550

Denver CO 80203

Levi Kirk

Project Number: [none]

Project: McElwain 32-17

SS-12@3'

1/26/2023 10:25:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc.

Y301440-02 (Soil)

## Metals by Saturated Paste by EPA 6010

Calcium	20.3	0.499	meq/L	10	[CALC]	KAP	01/27/2023	01/30/2023
Magnesium	12.2	0.823	"	"	"	KAP	"	"
Sodium	16.1	0.435	"	"	"	KAP	"	"

## pH in Soil by 9045D

pH	8.06		pH Units	1	B3A2721	HJD	01/27/2023	01/28/2023
----	------	--	----------	---	---------	-----	------------	------------

## SAR by 20B Saturated Paste

SAR	3.99		SAR	1	B3A2706	KAP	01/27/2023	01/30/2023
-----	------	--	-----	---	---------	-----	------------	------------

## Specific Conductance Mod. 9050A

Specific Conductance (EC)	5.58	0.00500	mmhos/cm	1	B3A2721	HJD	01/27/2023	01/28/2023
---------------------------	------	---------	----------	---	---------	-----	------------	------------

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, Project Manager

KP Kauffman Co. Inc.

1700 Lincoln St #4550

Denver CO 80203

Levi Kirk

Project Number: [none]

Project: McElwain 32-17

SS-13@3'

1/26/2023 10:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

**Origins Laboratory, Inc.**  
Y301440-03 (Soil)

**Boron (DTPA Sorbitol)**

Boron	1.93	0.0998	mg/L	1	B3A2710	KAP	01/27/2023	01/30/2023	
-------	------	--------	------	---	---------	-----	------------	------------	--

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3A2720	ZZZ	01/27/2023	01/31/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	87.3 %	50-150			"	"	"	
------------------------	--------	--------	--	--	---	---	---	--

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3A3019	ZZZ	01/30/2023	01/31/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Naphthalene	ND	0.00380	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %	70-130			"	"	"
Surrogate: Toluene-d8	88.7 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	97.7 %	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.

KP Kauffman Co. Inc.

1700 Lincoln St #4550

Denver CO 80203

Levi Kirk

Project Number: [none]

Project: McElwain 32-17

SS-13@3'

1/26/2023 10:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc.

Y301440-03 (Soil)

## Metals by Saturated Paste by EPA 6010

Calcium	22.9	0.499	meq/L	10	[CALC]	KAP	01/27/2023	01/30/2023
Magnesium	18.3	0.823	"	"	"	KAP	"	"
Sodium	30.0	0.435	"	"	"	KAP	"	"

## pH in Soil by 9045D

pH	8.32		pH Units	1	B3A2721	HJD	01/27/2023	01/28/2023
----	------	--	----------	---	---------	-----	------------	------------

## SAR by 20B Saturated Paste

SAR	6.60		SAR	1	B3A2706	KAP	01/27/2023	01/30/2023
-----	------	--	-----	---	---------	-----	------------	------------

## Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.83	0.00500	mmhos/cm	1	B3A2721	HJD	01/27/2023	01/28/2023
---------------------------	------	---------	----------	---	---------	-----	------------	------------

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, Project Manager

KP Kauffman Co. Inc.

1700 Lincoln St #4550

Denver CO 80203

Levi Kirk

Project Number: [none]

Project: McElwain 32-17

SS-15@3'

1/26/2023 10:40:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

**Origins Laboratory, Inc.**  
**Y301440-04 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.512	0.0999	mg/L	1	B3A2710	KAP	01/27/2023	01/30/2023	
-------	-------	--------	------	---	---------	-----	------------	------------	--

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3A2720	ZZZ	01/27/2023	01/31/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	93.7 %	50-150			"	"	"	
------------------------	--------	--------	--	--	---	---	---	--

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3A3019	ZZZ	01/30/2023	01/31/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Naphthalene	ND	0.00380	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4	102 %	70-130			"	"	"
Surrogate: Toluene-d8	88.4 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	97.5 %	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.

KP Kauffman Co. Inc.

1700 Lincoln St #4550

Denver CO 80203

Levi Kirk

Project Number: [none]

Project: McElwain 32-17

SS-15@3'

1/26/2023 10:40:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc.

Y301440-04 (Soil)

## Metals by Saturated Paste by EPA 6010

Calcium	4.28	0.499	meq/L	10	[CALC]	KAP	01/27/2023	01/30/2023
Magnesium	4.52	0.823	"	"	"	KAP	"	"
Sodium	9.87	0.435	"	"	"	KAP	"	"

## pH in Soil by 9045D

pH	8.10		pH Units	1	B3A2721	HJD	01/27/2023	01/28/2023
----	------	--	----------	---	---------	-----	------------	------------

## SAR by 20B Saturated Paste

SAR	4.71		SAR	1	B3A2706	KAP	01/27/2023	01/30/2023
-----	------	--	-----	---	---------	-----	------------	------------

## Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.72	0.00500	mmhos/cm	1	B3A2721	HJD	01/27/2023	01/28/2023
---------------------------	------	---------	----------	---	---------	-----	------------	------------

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, Project Manager

KP Kauffman Co. Inc.

1700 Lincoln St #4550

Denver CO 80203

Levi Kirk

Project Number: [none]

Project: McElwain 32-17

SS-1@5'

1/26/2023 9:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

**Origins Laboratory, Inc.**  
Y301440-05 (Soil)

**Boron (DTPA Sorbitol)**

Boron	1.42	0.100	mg/L	1	B3A2710	KAP	01/27/2023	01/30/2023	
-------	------	-------	------	---	---------	-----	------------	------------	--

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3A2720	ZZZ	01/27/2023	01/31/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	91.1 %	50-150			"	"	"	
------------------------	--------	--------	--	--	---	---	---	--

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3A3019	ZZZ	01/30/2023	01/31/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4	107 %	70-130			"	"	"	
Surrogate: Toluene-d8	87.9 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.6 %	70-130			"	"	"	

**Metals by Saturated Paste by EPA 6010**

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

Levi Kirk

Project Number: [none]

Project: McElwain 32-17

SS-1@5'

1/26/2023 9:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc.

Y301440-05 (Soil)

## Metals by Saturated Paste by EPA 6010

Calcium	0.668	0.499	meq/L	10	[CALC]	KAP	01/27/2023	01/30/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	6.97	0.435	"	"	"	KAP	"	"

## PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00201	mg/Kg	1	L661413		01/31/2023	02/02/2023
2-Methylnaphthalene	ND	0.00201	"	"	"		"	"
Acenaphthene	ND	0.00067	"	"	"		"	"
Anthracene	ND	0.00067	"	"	"		"	"
Benzo(a)anthracene	ND	0.00067	"	"	"		"	"
Benzo(a)pyrene	ND	0.00067	"	"	"		"	"
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	"	"	"		"	"
Fluorene	ND	0.00067	"	"	"		"	"
Indeno(1,2,3-cd)pyrene	ND	0.00067	"	"	"		"	"
Naphthalene	ND	0.00201	"	"	"		"	"
Pyrene	ND	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

Levi Kirk

Project Number: [none]

Project: McElwain 32-17

SS-1@5'

1/26/2023 9:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

## Waypoint Analytical, LLC.

Y301440-05 (Soil)

### PAH by 8270D SIM

Surrogate: 2-Fluorobiphenyl	47.7 %	33-115			L6614 13	01/31/2023	02/02/2023
Surrogate: 4-Terphenyl-d14	58 %	33-122			"	"	"
Surrogate: Nitrobenzene-d5	48.6 %	29-110			"	"	"

### pH in Soil by 9045D

pH	8.51	pH Units	1	B3A2721	HJD	01/27/2023	01/28/2023
----	------	----------	---	---------	-----	------------	------------

### SAR by 20B Saturated Paste

SAR	8.97	SAR	1	B3A2706	KAP	01/27/2023	01/30/2023
-----	------	-----	---	---------	-----	------------	------------

### Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.887	0.00500	mmhos/cm	1	B3A2721	HJD	01/27/2023	01/28/2023
---------------------------	-------	---------	----------	---	---------	-----	------------	------------

### Table 915 metals by EPA 6020B

Arsenic	3.33	0.0913	mg/kg	10	B3A2702	CNG	01/27/2023	01/27/2023
Barium	55.4	9.13	"	"	"	CNG	"	"
Cadmium	0.147	0.0913	"	"	"	CNG	"	"
Copper	9.36	9.13	"	"	"	CNG	"	"
Lead	ND	9.13	"	"	"	CNG	"	"
Nickel	9.90	9.13	"	"	"	CNG	"	"
Selenium	0.146	0.0913	"	"	"	CNG	"	"

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

Levi Kirk

Project Number: [none]

Project: McElwain 32-17

SS-1@5'

1/26/2023 9:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc.  
Y301440-05 (Soil)

## Table 915 metals by EPA 6020B

Silver	ND	0.0913	mg/kg	10	B3A2702	CNG	01/27/2023	01/27/2023	U
Zinc	ND	91.3	"	"	"	CNG	"	"	U

## Total Metals by 7196A

Chromium, Hexavalent	ND	0.515	mg/Kg	1	L661156		01/26/2023	01/30/2023	
----------------------	----	-------	-------	---	---------	--	------------	------------	--

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, Project Manager

KP Kauffman Co. Inc.

1700 Lincoln St #4550

Denver CO 80203

Levi Kirk

Project Number: [none]

Project: McElwain 32-17

SS-5@3'

1/26/2023 9:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

**Origins Laboratory, Inc.**  
Y301440-06 (Soil)

**Boron (DTPA Sorbitol)**

Boron	0.568	0.0999	mg/L	1	B3A2710	KAP	01/27/2023	01/30/2023	
-------	-------	--------	------	---	---------	-----	------------	------------	--

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3A2720	ZZZ	01/27/2023	01/31/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	95.6 %	50-150			"	"	"	
------------------------	--------	--------	--	--	---	---	---	--

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3A3019	ZZZ	01/30/2023	01/31/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4	105 %	70-130			"	"	"	
Surrogate: Toluene-d8	86.5 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	70-130			"	"	"	

**Metals by Saturated Paste by EPA 6010**

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

Levi Kirk

Project Number: [none]

Project: McElwain 32-17

SS-5@3'

1/26/2023 9:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc.  
Y301440-06 (Soil)

## Metals by Saturated Paste by EPA 6010

Calcium	10.0	0.499	meq/L	10	[CALC]	KAP	01/27/2023	01/30/2023
Magnesium	8.57	0.823	"	"	"	KAP	"	"
Sodium	22.3	0.435	"	"	"	KAP	"	"

## PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00201	mg/Kg	1	L661413		01/31/2023	02/02/2023
2-Methylnaphthalene	ND	0.00201	"	"	"		"	"
Acenaphthene	ND	0.00067	"	"	"		"	"
Anthracene	ND	0.00067	"	"	"		"	"
Benzo(a)anthracene	ND	0.00067	"	"	"		"	"
Benzo(a)pyrene	ND	0.00067	"	"	"		"	"
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	"	"	"		"	"
Fluorene	ND	0.00067	"	"	"		"	"
Indeno(1,2,3-cd)pyrene	ND	0.00067	"	"	"		"	"
Naphthalene	ND	0.00201	"	"	"		"	"
Pyrene	ND	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

Levi Kirk

Project Number: [none]

Project: McElwain 32-17

SS-5@3'

1/26/2023 9:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

## Waypoint Analytical, LLC.

Y301440-06 (Soil)

### PAH by 8270D SIM

Surrogate: 2-Fluorobiphenyl	45.2 %	33-115			L6614 13	01/31/2023	02/02/2023	
Surrogate: 4-Terphenyl-d14	56.6 %	33-122			"	"	"	
Surrogate: Nitrobenzene-d5	48.6 %	29-110			"	"	"	

### pH in Soil by 9045D

pH	8.12		pH Units	1	B3A2721	HJD	01/27/2023	01/28/2023
----	------	--	----------	---	---------	-----	------------	------------

### SAR by 20B Saturated Paste

SAR	7.30		SAR	1	B3A2706	KAP	01/27/2023	01/30/2023
-----	------	--	-----	---	---------	-----	------------	------------

### Specific Conductance Mod. 9050A

Specific Conductance (EC)	3.70	0.00500	mmhos/cm	1	B3A2721	HJD	01/27/2023	01/28/2023
---------------------------	------	---------	----------	---	---------	-----	------------	------------

### Table 915 metals by EPA 6020B

Arsenic	17.3	0.0917	mg/kg	10	B3A2702	CNG	01/27/2023	01/27/2023	
Barium	94.6	9.17	"	"	"	CNG	"	"	
Cadmium	ND	0.0917	"	"	"	CNG	"	"	U
Copper	ND	9.17	"	"	"	CNG	"	"	U
Lead	ND	9.17	"	"	"	CNG	"	"	U
Nickel	ND	9.17	"	"	"	CNG	"	"	U
Selenium	0.164	0.0917	"	"	"	CNG	"	"	

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

Levi Kirk

Project Number: [none]

Project: McElwain 32-17

SS-5@3'

1/26/2023 9:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

**Origins Laboratory, Inc.**  
Y301440-06 (Soil)

**Table 915 metals by EPA 6020B**

Silver	ND	0.0917	mg/kg	10	B3A2702	CNG	01/27/2023	01/27/2023	U
Zinc	ND	91.7	"	"	"	CNG	"	"	U

**Total Metals by 7196A**

Chromium, Hexavalent	ND	0.5	mg/Kg	1	L661156		01/26/2023	01/30/2023	
----------------------	----	-----	-------	---	---------	--	------------	------------	--

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, Project Manager

KP Kauffman Co. Inc.

1700 Lincoln St #4550

Denver CO 80203

Levi Kirk

Project Number: [none]

Project: McElwain 32-17

SS-8@3'

1/26/2023 10:05:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

## Origins Laboratory, Inc. Y301440-07 (Soil)

### Boron (DTPA Sorbitol)

Boron	0.763	0.100	mg/L	1	B3A2710	KAP	01/27/2023	01/30/2023	
-------	-------	-------	------	---	---------	-----	------------	------------	--

### DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3A2720	ZZZ	01/27/2023	01/31/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	93.2 %	50-150			"	"	"	
------------------------	--------	--------	--	--	---	---	---	--

### GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3A3019	JSM	01/30/2023	02/01/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	0.00218	0.00200	"	"	"	JSM	"	"	
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Toluene	0.00676	0.00200	"	"	"	JSM	"	"	
Xylenes, total	0.00768	0.00200	"	"	"	JSM	"	"	
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	01/31/2023	U

Surrogate: 1,2-Dichloroethane-d4	120 %	70-130			"	"	02/01/2023
Surrogate: Toluene-d8	99.9 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	94.1 %	70-130			"	"	"

### Metals by Saturated Paste by EPA 6010

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

Levi Kirk

Project Number: [none]

Project: McElwain 32-17

SS-8@3'

1/26/2023 10:05:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc.

Y301440-07 (Soil)

## Metals by Saturated Paste by EPA 6010

Calcium	23.1	0.499	meq/L	10	[CALC]	KAP	01/27/2023	01/30/2023
Magnesium	19.7	0.823	"	"	"	KAP	"	"
Sodium	32.0	0.435	"	"	"	KAP	"	"

## PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00201	mg/Kg	1	L661413		01/31/2023	02/02/2023
2-Methylnaphthalene	ND	0.00201	"	"	"		"	"
Acenaphthene	ND	0.00067	"	"	"		"	"
Anthracene	ND	0.00067	"	"	"		"	"
Benzo(a)anthracene	ND	0.00067	"	"	"		"	"
Benzo(a)pyrene	ND	0.00067	"	"	"		"	"
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	"	"	"		"	"
Fluorene	ND	0.00067	"	"	"		"	"
Indeno(1,2,3-cd)pyrene	ND	0.00067	"	"	"		"	"
Naphthalene	ND	0.00201	"	"	"		"	"
Pyrene	ND	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

Levi Kirk

Project Number: [none]

Project: McElwain 32-17

SS-8@3'

1/26/2023 10:05:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

## Waypoint Analytical, LLC.

### Y301440-07 (Soil)

### PAH by 8270D SIM

Surrogate: 2-Fluorobiphenyl	48.5 %	33-115			L6614 13	01/31/2023	02/02/2023
Surrogate: 4-Terphenyl-d14	60.5 %	33-122			"	"	"
Surrogate: Nitrobenzene-d5	50.3 %	29-110			"	"	"

### pH in Soil by 9045D

pH	7.98	pH Units	1	B3A2721	HJD	01/27/2023	01/28/2023
----	------	----------	---	---------	-----	------------	------------

### SAR by 20B Saturated Paste

SAR	6.91	SAR	1	B3A2706	KAP	01/27/2023	01/30/2023
-----	------	-----	---	---------	-----	------------	------------

### Specific Conductance Mod. 9050A

Specific Conductance (EC)	5.73	0.00500	mmhos/cm	1	B3A2721	HJD	01/27/2023	01/28/2023
---------------------------	------	---------	----------	---	---------	-----	------------	------------

### Table 915 metals by EPA 6020B

Arsenic	3.67	0.0870	mg/kg	10	B3A2702	CNG	01/27/2023	01/27/2023
Barium	84.1	8.70	"	"	"	CNG	"	"
Cadmium	0.221	0.0870	"	"	"	CNG	"	"
Copper	12.6	8.70	"	"	"	CNG	"	"
Lead	12.6	8.70	"	"	"	CNG	"	"
Nickel	12.2	8.70	"	"	"	CNG	"	"
Selenium	0.354	0.0870	"	"	"	CNG	"	"

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

Levi Kirk

Project Number: [none]

Project: McElwain 32-17

SS-8@3'

1/26/2023 10:05:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

**Origins Laboratory, Inc.**  
Y301440-07 (Soil)

**Table 915 metals by EPA 6020B**

Silver	ND	0.0870	mg/kg	10	B3A2702	CNG	01/27/2023	01/27/2023	U
Zinc	ND	87.0	"	"	"	CNG	"	"	U

**Total Metals by 7196A**

Chromium, Hexavalent	ND	0.516	mg/Kg	1	L661156		01/26/2023	01/30/2023	
----------------------	----	-------	-------	---	---------	--	------------	------------	--

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, Project Manager

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

Levi Kirk  
Project Number: [none]  
Project: McElwain 32-17

## 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 B3A2720 - EPA 3580										
Blank (B3A2720-BLK1)					Prepared: 01/27/2023 Analyzed: 01/31/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	25		"	24.9		102	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.

Jen Pellegrini, Project Manager



KP Kauffman Co. Inc.

1700 Lincoln St #4550

Denver CO 80203

Levi Kirk

Project Number: [none]

Project: McElwain 32-17

## 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 B3A2720 - EPA 3580

#### LCS (B3A2720-BS1)

Prepared: 01/27/2023 Analyzed: 01/31/2023

Diesel (C10-C28)	855	50.0	mg/kg	1000		85.5	70-130			
Residual Range Organics (C28-C40)	877	200	"	1000		87.7	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.

Jen Pellegrini, Project Manager

KP Kauffman Co. Inc.

1700 Lincoln St #4550

Denver CO 80203

Levi Kirk

Project Number: [none]

Project: McElwain 32-17

## 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 B3A2720 - EPA 3580

Matrix Spike (B3A2720-MS1)		Source: Y301440-01			Prepared: 01/27/2023 Analyzed: 01/31/2023					
Diesel (C10-C28)	792	50.0	mg/kg	1000	ND	79.2	70-130			
Residual Range Organics (C28-C40)	768	200	"	1000	ND	76.8	70-130			
Surrogate: o-Terphenyl	45		"	49.8		90.1	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.

Jen Pellegrini, Project Manager

KP Kauffman Co. Inc.

1700 Lincoln St #4550

Denver CO 80203

Levi Kirk

Project Number: [none]

Project: McElwain 32-17

## 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 B3A2720 - EPA 3580

Matrix Spike Dup (B3A2720-MSD1)		Source: Y301440-01			Prepared: 01/27/2023 Analyzed: 01/31/2023					
Diesel (C10-C28)	879	50.0	mg/kg	1000	ND	87.9	70-130	10.3	35	
Residual Range Organics (C28-C40)	930	200	"	1000	ND	93.0	70-130	19.1	35	
Surrogate: o-Terphenyl	46		"	49.8		93.2	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.

Jen Pellegrini, Project Manager

KP Kauffman Co. Inc.

1700 Lincoln St #4550

Denver CO 80203

Levi Kirk

Project Number: [none]

Project: McElwain 32-17

## 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 B3A3019 - EPA 5030 (soil)										
Blank (B3A3019-BLK1)					Prepared: 01/30/2023 Analyzed: 01/30/2023					
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	0.11		"	0.125		89.8	70-130			
Surrogate: Toluene-d8	0.11		"	0.125		91.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		96.4	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.

Jen Pellegrini, Project Manager

KP Kauffman Co. Inc.

1700 Lincoln St #4550

Denver CO 80203

Levi Kirk

Project Number: [none]

Project: McElwain 32-17

## 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 B3A3019 - EPA 5030 (soil)

#### LCS (B3A3019-BS1)

Prepared: 01/30/2023 Analyzed: 01/30/2023

1,2,4-Trimethylbenzene	0.0888	0.00200	mg/kg	0.100		88.8	70-130			
1,3,5-Trimethylbenzene	0.0888	0.00200	"	0.100		88.8	70-130			
Benzene	0.103	0.00200	"	0.100		103	70-130			
Ethylbenzene	0.0861	0.00200	"	0.100		86.1	70-130			
Naphthalene	0.0930	0.00380	"	0.100		93.0	70-130			
Toluene	0.0892	0.00200	"	0.100		89.2	70-130			
o-Xylene	0.0869	0.00200	"	0.100		86.9	70-130			
m,p-Xylene	0.195	0.00400	"	0.200		97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		86.8	70-130			
Surrogate: Toluene-d8	0.11		"	0.125		91.2	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.

Jen Pellegrini, Project Manager

KP Kauffman Co. Inc.

1700 Lincoln St #4550

Denver CO 80203

Levi Kirk

Project Number: [none]

Project: McElwain 32-17

## 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 B3A3019 - EPA 5030 (soil)

Matrix Spike (B3A3019-MS1)		Source: Y301432-01			Prepared: 01/30/2023 Analyzed: 01/30/2023					
1,2,4-Trimethylbenzene	0.0863	0.00200	mg/kg	0.100	0.000820	85.5	70-130			
1,3,5-Trimethylbenzene	0.0907	0.00200	"	0.100	0.00284	87.8	70-130			
Benzene	0.102	0.00200	"	0.100	ND	102	70-130			
Ethylbenzene	0.0855	0.00200	"	0.100	ND	85.5	70-130			
Naphthalene	0.0822	0.00380	"	0.100	0.000860	81.3	70-130			
Toluene	0.0871	0.00200	"	0.100	ND	87.1	70-130			
o-Xylene	0.0865	0.00200	"	0.100	0.000720	85.8	70-130			
m,p-Xylene	0.195	0.00400	"	0.200	ND	97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		88.7	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		92.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		95.5	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.

Jen Pellegrini, Project Manager



KP Kauffman Co. Inc.

1700 Lincoln St #4550

Denver CO 80203

Levi Kirk

Project Number: [none]

Project: McElwain 32-17

## 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 B3A3019 - EPA 5030 (soil)										
Matrix Spike Dup (B3A3019-MSD1)			Source: Y301432-01		Prepared: 01/30/2023 Analyzed: 01/30/2023					
1,2,4-Trimethylbenzene	0.0817	0.00200	mg/kg	0.100	0.000820	80.9	70-130	5.48	20	
1,3,5-Trimethylbenzene	0.0874	0.00200	"	0.100	0.00284	84.6	70-130	3.66	20	
Benzene	0.0994	0.00200	"	0.100	ND	99.4	70-130	2.17	20	
Ethylbenzene	0.0835	0.00200	"	0.100	ND	83.5	70-130	2.34	20	
Naphthalene	0.0842	0.00380	"	0.100	0.000860	83.4	70-130	2.48	20	
Toluene	0.0855	0.00200	"	0.100	ND	85.5	70-130	1.83	20	
o-Xylene	0.0837	0.00200	"	0.100	0.000720	83.0	70-130	3.24	20	
m,p-Xylene	0.190	0.00400	"	0.200	ND	94.9	70-130	2.66	20	
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		88.8	70-130			
Surrogate: Toluene-d8	0.11		"	0.125		91.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		95.5	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.

Jen Pellegrini, Project Manager

KP Kauffman Co. Inc.

1700 Lincoln St #4550

Denver CO 80203

Levi Kirk

Project Number: [none]

Project: McElwain 32-17

## 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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

## 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 B3A2702 - EPA 3050B

#### Blank (B3A2702-BLK1)

Prepared: 01/27/2023 Analyzed: 01/27/2023

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

#### LCS (B3A2702-BS1)

Prepared: 01/27/2023 Analyzed: 01/27/2023

Arsenic	0.0496	0.000100	mg/kg	0.0500		99.2	80-120
Barium	4.98	0.0100	"	5.00		99.6	80-120
Cadmium	0.0508	0.000100	"	0.0500		102	80-120
Copper	0.528	0.0100	"	0.500		106	80-120
Lead	0.0512	0.0100	"	0.0500		102	80-120
Nickel	0.0533	0.0100	"	0.0500		107	80-120
Selenium	0.0480	0.000100	"	0.0500		96.0	80-120
Silver	0.0515	0.000100	"	0.0500		103	80-120
Zinc	0.517	0.100	"	0.500		103	80-120

#### Matrix Spike (B3A2702-MS1)

Source: Y301395-03

Prepared: 01/27/2023 Analyzed: 01/27/2023

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

Levi Kirk

Project Number: [none]

Project: McElwain 32-17

## 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 B3A2702 - EPA 3050B

Matrix Spike (B3A2702-MS1)		Source: Y301395-03			Prepared: 01/27/2023 Analyzed: 01/27/2023					
Arsenic	6.46	0.0957	mg/kg	4.78	1.71	99.3	75-125			
Barium	556	9.57	"	478	61.8	103	75-125			
Cadmium	5.09	0.0957	"	4.78	0.121	104	75-125			
Copper	54.9	9.57	"	47.8	5.48	103	75-125			
Lead	11.5	9.57	"	4.78	6.43	106	75-125			
Nickel	9.80	9.57	"	4.78	4.87	103	75-125			
Selenium	4.86	0.0957	"	4.78	0.0958	99.7	75-125			
Silver	5.01	0.0957	"	4.78	0.0217	104	75-125			
Zinc	71.4	95.7	"	47.8	22.1	103	75-125			U
Matrix Spike Dup (B3A2702-MSD1)		Source: Y301395-03			Prepared: 01/27/2023 Analyzed: 01/27/2023					
Arsenic	6.19	0.0949	mg/kg	4.74	1.71	94.6	75-125	4.17	20	
Barium	547	9.49	"	474	61.8	102	75-125	1.78	20	
Cadmium	4.94	0.0949	"	4.74	0.121	102	75-125	2.81	20	
Copper	52.9	9.49	"	47.4	5.48	100	75-125	3.69	20	
Lead	11.7	9.49	"	4.74	6.43	112	75-125	1.96	20	
Nickel	9.54	9.49	"	4.74	4.87	98.4	75-125	2.66	20	
Selenium	4.39	0.0949	"	4.74	0.0958	90.6	75-125	10.2	20	
Silver	4.90	0.0949	"	4.74	0.0217	103	75-125	2.17	20	
Zinc	68.7	94.9	"	47.4	22.1	98.3	75-125	3.85	20	U

Origins Laboratory, Inc.



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

Jen Pellegrini, Project Manager

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

Levi Kirk  
Project Number: [none]  
Project: McElwain 32-17

## Classical Chemistry Parameters - Quality Control

### Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B3A2706 - Saturated Paste Metals</b>										
<b>Blank (B3A2706-BLK1)</b>					Prepared: 01/27/2023 Analyzed: 01/30/2023					
Calcium PPM	ND	10.0	mg/L							U
SAR	0.00		SAR							U
Magnesium PPM	ND	10.0	mg/L							U
Sodium PPM	ND	10.0	"							U
<b>Duplicate (B3A2706-DUP1)</b>					<b>Source: Y301407-03</b>		Prepared: 01/27/2023 Analyzed: 01/30/2023			
Calcium PPM	44.5	10.0	mg/L		68.7			42.7	50	
SAR	0.00		SAR		0.874			200	200	U
Magnesium PPM	14.0	10.0	mg/L		14.9			5.91	50	
Sodium PPM	18.5	10.0	"		30.6			49.2	50	
<b>Batch B3A2710 - DTPA Sorbitol Preparation</b>										
<b>Blank (B3A2710-BLK1)</b>					Prepared: 01/27/2023 Analyzed: 01/30/2023					
Boron	ND	0.100	mg/L							U
<b>Duplicate (B3A2710-DUP1)</b>					<b>Source: Y301432-01</b>		Prepared: 01/27/2023 Analyzed: 01/30/2023			
Boron	0.227	0.0999	mg/L		0.247			8.51	50	

Origins Laboratory, Inc.



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

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

Levi Kirk  
Project Number: [none]  
Project: McElwain 32-17

## Saturated Paste - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B3A2721 - Saturated Paste pH/EC</b>										
<b>Blank (B3A2721-BLK1)</b>					Prepared: 01/27/2023 Analyzed: 01/28/2023					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							U
<b>Duplicate (B3A2721-DUP1)</b>					<b>Source: Y301407-04</b> Prepared: 01/27/2023 Analyzed: 01/28/2023					
Specific Conductance (EC)	0.457	0.00500	mmhos/cm		0.459			0.546	25	
pH	8.19		pH Units		8.39			2.41	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.

Jen Pellegrini, Project Manager

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

Levi Kirk  
Project Number: [none]  
Project: McElwain 32-17

**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 L661413 - 3550B**

MSD (L 81071-MSD-L661413)		Source: Y301440-05			Prepared: 01/31/2023 Analyzed: 02/02/2023					
Benzo(k)fluoranthene	0.0672	0.00067	mg/Kg	0.162	<0.000437	41.4	30-130	13.1	30	
Benzo(b)fluoranthene	0.093	0.00067	"	0.162	<0.000585	57.4	30-130	12.9	30	
Fluoranthene	0.103	0.00067	"	0.162	<0.000394	63.5	30-130	2.9	30	
Chrysene	0.101	0.00067	"	0.162	<0.000624	62.3	30-130	6.6	30	
2-Methylnaphthalene	0.0912	0.00201	"	0.162	<0.00194	56.2	30-130	1.9	30	
Pyrene	0.102	0.00067	"	0.162	<0.000643	62.9	30-130	3.8	30	
Naphthalene	0.0861	0.00201	"	0.162	<0.00145	53.1	30-130	2.9	30	
Fluorene	0.1	0.00067	"	0.162	<0.000286	61.7	30-130	4.9	30	
Acenaphthene	0.0943	0.00067	"	0.162	<0.000304	58.2	30-130	1	30	
1-Methylnaphthalene	0.0914	0.00201	"	0.162	<0.00109	56.4	30-130	0.6	30	
Dibenz(a,h)anthracene	0.135	0.00067	"	0.162	<0.000614	83.3	30-130	6.8	30	
Anthracene	0.101	0.00067	"	0.162	<0.000334	62.3	30-130	2.7	30	
Benzo(a)anthracene	0.106	0.00067	"	0.162	<0.000493	65.4	30-130	6.8	30	
Benzo(a)pyrene	0.11	0.00067	"	0.162	<0.000468	67.9	30-130	7.5	30	
Indeno(1,2,3-cd)pyrene	0.127	0.00067	"	0.162	<0.000627	78.3	30-130	1.5	30	
Surrogate: Nitrobenzene-d5	53.5		"	0.325	161	53.5	29-110			
Surrogate: 4-Terphenyl-d14	56		"	0.325	192	56	33-122			
Surrogate: 2-Fluorobiphenyl	49.5		"	0.325	158	49.5	33-115			

MS (L 81071-MS-L661413)		Source: Y301440-05			Prepared: 01/31/2023 Analyzed: 02/02/2023					
Pyrene	0.0981	0.00067	mg/Kg	0.166	<0.000643	59	30-130			
1-Methylnaphthalene	0.0908	0.00201	"	0.166	<0.00109	54.6	30-130			
2-Methylnaphthalene	0.0894	0.00201	"	0.166	<0.00194	53.8	30-130			
Acenaphthene	0.0933	0.00067	"	0.166	<0.000304	56.2	30-130			
Indeno(1,2,3-cd)pyrene	0.125	0.00067	"	0.166	<0.000627	75.3	30-130			
Naphthalene	0.0836	0.00201	"	0.166	<0.00145	50.3	30-130			
Benzo(a)anthracene	0.099	0.00067	"	0.166	<0.000493	59.6	30-130			

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.

KP Kauffman Co. Inc.

1700 Lincoln St #4550

Denver CO 80203

Levi Kirk

Project Number: [none]

Project: McElwain 32-17

**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 L661413 - 3550B**

MS (L 81071-MS-L661413)		Source: Y301440-05			Prepared: 01/31/2023 Analyzed: 02/02/2023					
Benzo(a)pyrene	0.102	0.00067	mg/Kg	0.166	<0.000468	61.4	30-130			
Benzo(b)fluoranthene	0.0817	0.00067	"	0.166	<0.000585	49.2	30-130			
Benzo(k)fluoranthene	0.0589	0.00067	"	0.166	<0.000437	35.4	30-130			
Chrysene	0.0945	0.00067	"	0.166	<0.000624	56.9	30-130			
Dibenz(a,h)anthracene	0.126	0.00067	"	0.166	<0.000614	75.9	30-130			
Fluoranthene	0.1	0.00067	"	0.166	<0.000394	60.2	30-130			
Fluorene	0.0952	0.00067	"	0.166	<0.000286	57.3	30-130			
Anthracene	0.0983	0.00067	"	0.166	<0.000334	59.2	30-130			
Surrogate: 4-Terphenyl-d14	53.6		"	0.332	192	53.6	33-122			
Surrogate: 2-Fluorobiphenyl	47.8		"	0.332	158	47.8	33-115			
Surrogate: Nitrobenzene-d5	48.4		"	0.332	161	48.4	29-110			

**LCS (LCS-L661413)**

Prepared: 01/31/2023 Analyzed: 02/02/2023

Fluorene	0.104	0.00067	mg/Kg	0.167		62.2	30-130			
1-Methylnaphthalene	0.0948	0.00201	"	0.167		56.7	30-130			
2-Methylnaphthalene	0.0943	0.00201	"	0.167		56.4	30-130			
Acenaphthene	0.0978	0.00067	"	0.167		58.5	30-130			
Anthracene	0.106	0.00067	"	0.167		63.4	30-130			
Benzo(a)anthracene	0.112	0.00067	"	0.167		67	30-130			
Benzo(a)pyrene	0.12	0.00067	"	0.167		71.8	30-130			
Benzo(b)fluoranthene	0.0939	0.00067	"	0.167		56.2	30-130			
Benzo(k)fluoranthene	0.0647	0.00067	"	0.167		38.7	30-130			
Chrysene	0.107	0.00067	"	0.167		64	30-130			
Fluoranthene	0.111	0.00067	"	0.167		66.4	30-130			
Indeno(1,2,3-cd)pyrene	0.124	0.00067	"	0.167		74.2	30-130			
Naphthalene	0.0905	0.00201	"	0.167		54.1	30-130			
Dibenz(a,h)anthracene	0.13	0.00067	"	0.167		77.8	30-130			

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.

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

Levi Kirk  
Project Number: [none]  
Project: McElwain 32-17

**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 L661413 - 3550B**

**LCS (LCS-L661413)**

Prepared: 01/31/2023 Analyzed: 02/02/2023

Pyrene	0.111	0.00067	mg/Kg	0.167	66.4	30-130
Surrogate: Nitrobenzene-d5	55.2		"	0.333	55.2	29-110
Surrogate: 2-Fluorobiphenyl	51		"	0.333	51	33-115
Surrogate: 4-Terphenyl-d14	60		"	0.333	60	33-122

**LRB (LRB-L661413)**

Prepared: 01/31/2023 Analyzed: 02/02/2023

Benzo(b)fluoranthene	ND	0.00067	mg/Kg			-
Naphthalene	ND	0.00201	"			-
Pyrene	ND	0.00067	"			-
Fluorene	ND	0.00067	"			-
Fluoranthene	ND	0.00067	"			-
Dibenz(a,h)anthracene	ND	0.00067	"			-
Benzo(k)fluoranthene	ND	0.00067	"			-
Benzo(a)pyrene	ND	0.00067	"			-
Benzo(a)anthracene	ND	0.00067	"			-
Anthracene	ND	0.00067	"			-
Acenaphthene	ND	0.00067	"			-
2-Methylnaphthalene	ND	0.00201	"			-
Indeno(1,2,3-cd)pyrene	ND	0.00067	"			-
1-Methylnaphthalene	ND	0.00201	"			-
Chrysene	ND	0.00067	"			-
Surrogate: Nitrobenzene-d5	59.4		"	0.333	59.4	29-110
Surrogate: 4-Terphenyl-d14	70.2		"	0.333	70.2	33-122
Surrogate: 2-Fluorobiphenyl	57.6		"	0.333	57.6	33-115

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

Levi Kirk  
Project Number: [none]  
Project: McElwain 32-17

## 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
<b>Batch L661156 -</b>										
<b>DUP (L 81072-DUP)</b>		<b>Source: Y301440-06</b>			Prepared: Analyzed: 01/30/2023					
Chromium, Hexavalent	ND	0.52	mg/Kg		<0.520		-	0	20	
<b>MS (L 81072-MS)</b>		<b>Source: Y301440-06</b>			Prepared: Analyzed: 01/30/2023					
Chromium, Hexavalent	32.9	2.53	mg/Kg	40.5	< 0.244	81	75-125			
<b>LCS (LCS)</b>					Prepared: Analyzed: 01/30/2023					
Chromium, Hexavalent	6.44	0.5	mg/Kg	8		81	75-125			
<b>LRB (LRB)</b>					Prepared: Analyzed: 01/30/2023					
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

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, Project Manager

KP Kauffman Co. Inc.

1700 Lincoln St #4550

Denver CO 80203

Levi Kirk

Project Number: [none]

Project: McElwain 32-17

### 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.*

Jen Pellegrini, Project Manager