

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

June 13, 2022

Jeff Rickard

K.P. Kauffman

1675 Broadway

Denver, CO 80202

RE: Stieber

Work Order #2205377

Enclosed are the results of analyses for samples received by Summit Scientific on 05/25/22 15:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury

President



K.P. Kauffman
1675 Broadway
Denver CO, 80202

Project: Stieber
Project Number: [none]
Project Manager: Jeff Rickard

Reported:
06/13/22 07:27

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	2205377-01	Water	05/25/22 10:00	05/25/22 15:00
MW-2	2205377-02	Water	05/25/22 10:20	05/25/22 15:00

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Summit Scientific

2205377

4653 Table Mountain Drive ♦ Golden, Colorado 80403
303-277-9310 ♦ 303-374-5933 (f)

Page 1 of 1

Client: K.P. Kauffman Company, Inc.

Project Manager: Jeff Rickard

Address: 1675 Broadway, Suite 2800

E-Mail: jrickard@kpk.com, jgalles@marcomllc.net, mhattel@msn.com

City/State/Zip: Denver, CO 80202-4628

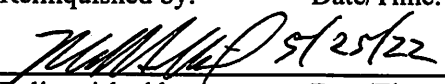
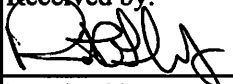
Phone: 303-825-4822

Project Name: STEIBER

Sampler Name: Mike Hattel (303-517-6551)

Project Number:

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested						Special Instructions
					HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	Full	915-1					
1	STEIBER MW-1	5/25/22	1000	3				X	X					X					
2	MW-2	5/25/22	1020	3				X	X					X					
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			

Relinquished by:	Date/Time:	Received by:	Date/Time:	Turn Around Time	(Check)	Notes:
	5/25/22		5/25/22 1500	Same Day	72 hours	
Relinquished by:	Date/Time:	Received by:	Date/Time:	24 hours	Standard X	
Relinquished by:	Date/Time:	Received by:	Date/Time:	48 hours		
				Sample Integrity:		
				Temperature Upon Receipt:	2.7	
				Samples Intact:	Yes No	

S₂

Sample Receipt Checklist

S2 Work Order# 2205377Client: Kp Kauffman Client Project ID: STEIBER

Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other _____ Airbill #: _____

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Matrix (Check all that apply) Air ☐ Soil/Solid ☐ Water ☒ Other ☐Temp (°C) 27 Thermometer # 1

	Yes	No	N/A	Comments (if any)
If samples require cooling, is the temperature < 6 °C ⁽¹⁾ ? NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ON ICE
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If custody seals are present, are they intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples due within 48 hours present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are water samples with short hold times present? Note the short hold analysis in the comments column - pH, Nitrate/Nitrite, Ferrous Iron (Fe ²⁺), Hexavalent Chromium (Cr ⁶⁺ , Cr VI), COD/BOD, Total Coliform, E. Coli, Total Residual Chlorine (TRC), Dissolved Oxygen	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any): 				
⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.				



Custodian Printed Name

52522

Date/Time



K.P. Kauffman
1675 Broadway
Denver CO, 80202

Project: Stieber
Project Number: [none]
Project Manager: Jeff Rickard

Reported:
06/13/22 07:27

MW-1
2205377-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/25/22 10:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	1.0	ug/l	1	BFE0657	05/27/22	05/28/22	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	500	"	"	"	"	06/13/22	"	

Date Sampled: **05/25/22 10:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4	8.90	66.8 %	23-173		"	"	05/28/22	"	
Surrogate: Toluene-d8	12.2	91.7 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	11.6	87.4 %	21-167		"	"	"	"	

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K.P. Kauffman
1675 Broadway
Denver CO, 80202

Project: Stieber
Project Number: [none]
Project Manager: Jeff Rickard

Reported:
06/13/22 07:27

MW-2
2205377-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/25/22 10:20**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BFE0657	05/27/22	05/28/22	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	500	"	"	"	"	06/13/22	"	

Date Sampled: **05/25/22 10:20**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	8.63	64.7 %	23-173		"	"	05/28/22	"	
Surrogate: Toluene-d8	12.3	92.1 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	11.6	86.9 %	21-167		"	"	"	"	

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Project: Stieber
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Reported:
06/13/22 07:27

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BFE0657 - EPA 5030 Water MS

Blank (BFE0657-BLK1)

Prepared & Analyzed: 05/27/22

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	2.0	"							
Naphthalene	ND	1.0	"							
1,2,4-Trimethylbenzene	ND	1.0	"							
1,3,5-Trimethylbenzene	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	8.84		"	13.3		66.3	23-173			
Surrogate: Toluene-d8	12.3		"	13.3		92.6	20-170			
Surrogate: 4-Bromofluorobenzene	10.8		"	13.3		81.2	21-167			

LCS (BFE0657-BS1)

Prepared & Analyzed: 05/27/22

Benzene	24.4	1.0	ug/l	33.3		73.2	51-132			
Toluene	30.8	1.0	"	33.3		92.6	51-138			
Ethylbenzene	35.2	1.0	"	33.3		106	58-146			
m,p-Xylene	73.0	2.0	"	66.7		110	57-144			
o-Xylene	37.2	1.0	"	33.3		112	53-146			
Naphthalene	34.6	1.0	"	33.3		104	70-130			
1,2,4-Trimethylbenzene	36.5	1.0	"	33.3		109	70-130			
1,3,5-Trimethylbenzene	37.2	1.0	"	33.3		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	10.3		"	13.3		77.0	23-173			
Surrogate: Toluene-d8	12.4		"	13.3		93.2	20-170			
Surrogate: 4-Bromofluorobenzene	12.0		"	13.3		89.9	21-167			

Matrix Spike (BFE0657-MS1)

Source: 2205370-02

Prepared & Analyzed: 05/27/22

Benzene	24.1	1.0	ug/l	33.3	ND	72.3	34-141			
Toluene	30.4	1.0	"	33.3	ND	91.1	27-151			
Ethylbenzene	35.7	1.0	"	33.3	ND	107	29-160			
m,p-Xylene	73.7	2.0	"	66.7	ND	111	20-166			
o-Xylene	37.1	1.0	"	33.3	ND	111	33-159			
Naphthalene	37.3	1.0	"	33.3	ND	112	70-130			
1,2,4-Trimethylbenzene	37.4	1.0	"	33.3	ND	112	70-130			
1,3,5-Trimethylbenzene	38.4	1.0	"	33.3	ND	115	70-130			
Surrogate: 1,2-Dichloroethane-d4	9.56		"	13.3		71.7	23-173			
Surrogate: Toluene-d8	12.1		"	13.3		90.9	20-170			
Surrogate: 4-Bromofluorobenzene	12.0		"	13.3		90.0	21-167			

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Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

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

Batch BFE0657 - EPA 5030 Water MS

Matrix Spike Dup (BFE0657-MSD1)		Source: 2205370-02			Prepared & Analyzed: 05/27/22					
Benzene	24.3	1.0	ug/l	33.3	ND	72.8	34-141	0.620	30	
Toluene	30.7	1.0	"	33.3	ND	92.2	27-151	1.21	30	
Ethylbenzene	35.0	1.0	"	33.3	ND	105	29-160	1.98	30	
m,p-Xylene	72.0	2.0	"	66.7	ND	108	20-166	2.26	30	
o-Xylene	37.3	1.0	"	33.3	ND	112	33-159	0.618	30	
Naphthalene	39.1	1.0	"	33.3	ND	117	70-130	4.66	30	
1,2,4-Trimethylbenzene	37.6	1.0	"	33.3	ND	113	70-130	0.614	30	
1,3,5-Trimethylbenzene	38.6	1.0	"	33.3	ND	116	70-130	0.442	30	
<hr/>										
Surrogate: 1,2-Dichloroethane-d4	10.2		"	13.3		76.4	23-173			
Surrogate: Toluene-d8	12.6		"	13.3		94.4	20-170			
Surrogate: 4-Bromofluorobenzene	11.6		"	13.3		86.9	21-167			

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Project: Stieber
Project Number: [none]
Project Manager: Jeff Rickard

Reported:
06/13/22 07:27

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference