

# Summit Scientific

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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,



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

Summit Scientific

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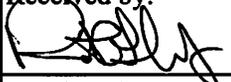
# Summit Scientific

2205377

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

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					
1	<del>1675</del> MW-1	5/25/22	1000	3				X	X				Full 915-1				
2	MW-2	5/25/22	1020	3				X	X				X				
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Relinquished by: 	Date/Time: 5/25/22	Received by: 	Date/Time: 5/25/22 1500	Turn Around Time (Check)	Notes:
Relinquished by:	Date/Time:	Received by:	Date/Time:	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 _____	
Relinquished by:	Date/Time:	Received by:	Date/Time:	Sample Integrity:	
				Temperature Upon Receipt: 2.7	
				Samples Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No	

S<sub>2</sub>

S2 Work Order# 2205377

Sample Receipt Checklist

Client: Kp Kauffman Client Project ID: STEIBER

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

Matrix (Check all that apply) Air  Soil/Solid  Water  Other

Temp (°C)

Thermometer #

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

Additional Comments (if any):

<sup>(1)</sup> 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		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 10:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
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		"	"	"	"	

Summit Scientific

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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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Project Manager: Jeff Rickard

**Reported:**  
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**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

**Summit Scientific**

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

**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	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	8.84		"	13.3		66.3		23-173			
<i>Surrogate: Toluene-d8</i>	12.3		"	13.3		92.6		20-170			
<i>Surrogate: 4-Bromofluorobenzene</i>	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			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	10.3		"	13.3		77.0		23-173			
<i>Surrogate: Toluene-d8</i>	12.4		"	13.3		93.2		20-170			
<i>Surrogate: 4-Bromofluorobenzene</i>	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			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	9.56		"	13.3		71.7		23-173			
<i>Surrogate: Toluene-d8</i>	12.1		"	13.3		90.9		20-170			
<i>Surrogate: 4-Bromofluorobenzene</i>	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	Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

**Batch BFE0657 - EPA 5030 Water MS**

<b>Matrix Spike Dup (BFE0657-MSD1)</b>	<b>Source: 2205370-02</b>			<b>Prepared &amp; Analyzed: 05/27/22</b>						
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	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.2</i>		<i>"</i>	<i>13.3</i>		<i>76.4</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>12.6</i>		<i>"</i>	<i>13.3</i>		<i>94.4</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>11.6</i>		<i>"</i>	<i>13.3</i>		<i>86.9</i>	<i>21-167</i>			

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Project: Stieber  
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### 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