

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

October 07, 2021

Jeff Rickard
K.P. Kauffman
1675 Broadway
Denver, CO 80202

RE: Stieber

Work Order #2109450

Enclosed are the results of analyses for samples received by Summit Scientific on 09/29/21 16:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Muri Premer For Paul Shrewsbury
President



K.P. Kauffman
1675 Broadway
Denver CO, 80202

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

Reported:
10/07/21 13:01

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
318858-GW	2109450-01	Water	09/29/21 09:50	09/29/21 16:00

Summit Scientific

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.

Summit Scientific 2109450

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: ~~Max Knop~~ *Jeff Richard*

Address: 1675 Broadway, Suite 2800

E-Mail: ~~MKnop@kpk.com~~ *JRichard@KPK.COM*

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

Phone: 303-825-4822

Project Name: *Stieber*

Sampler Name: Mike Hattel (mhattel@msn.com)

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	<i>318858-GW</i>	<i>4/29/21</i>	<i>950</i>	<i>3</i>	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>									
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

Relinquished by: *[Signature]* Date/Time: *9/29/21*

Received by: *[Signature]* Date/Time: *10:00 9-29-21*

Turn Around Time (Check)
 Same Day 72 hours
 24 hours Standard
 48 hours

Notes: PDF COPY TO MIKE HATTEL AT mhattel@msn.com

Relinquished by: Date/Time:

Received by: Date/Time:

Sample Integrity: Temperature Upon Receipt: *7.2°*

Relinquished by: Date/Time:

Received by: Date/Time:

Samples Intact: Yes No

S₂

Sample Receipt Checklist

S2 Work Order# 1/1

2109450

Client: Kp. Kauffman Client Project ID: Stieber

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

Matrix (check all that apply): Air Soil/Solid Water Other: _____
(Describe)

Temp (°C) _____

Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°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 with holding times due within 48 hours sample due within 48 hours present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Standard
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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HCl
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.

[Signature]
Custodian Printed Name or Initials

9-29-21
Date/Time



K.P. Kauffman
1675 Broadway
Denver CO, 80202

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

Reported:
10/07/21 13:01

318858-GW
2109450-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/29/21 09:50**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	1.0	ug/l	1	BEI0657	09/30/21	10/02/21	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **09/29/21 09:50**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4		124 %		23-173	"	"	"	"	
Surrogate: Toluene-d8		66.6 %		20-170	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		80.4 %		21-167	"	"	"	"	

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Project: Stieber

Project Number: [none]
Project Manager: Jeff Rickard

Reported:
10/07/21 13:01

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 BEI0657 - EPA 5030 Water MS

Blank (BEI0657-BLK1)

Prepared: 09/30/21 Analyzed: 10/02/21

Benzene	ND	1.0	ug/l								
Toluene	ND	1.0	"								
Ethylbenzene	ND	1.0	"								
Xylenes (total)	ND	2.0	"								
Surrogate: 1,2-Dichloroethane-d4	16.8		"	13.3		126		23-173			
Surrogate: Toluene-d8	8.82		"	13.3		66.2		20-170			
Surrogate: 4-Bromofluorobenzene	11.1		"	13.3		83.5		21-167			

LCS (BEI0657-BS1)

Prepared: 09/30/21 Analyzed: 10/02/21

Benzene	24.7	1.0	ug/l	33.3		74.2		51-132			
Toluene	26.3	1.0	"	33.3		79.0		51-138			
Ethylbenzene	38.1	1.0	"	33.3		114		58-146			
m,p-Xylene	76.2	2.0	"	66.7		114		57-144			
o-Xylene	36.3	1.0	"	33.3		109		53-146			
Surrogate: 1,2-Dichloroethane-d4	16.5		"	13.3		124		23-173			
Surrogate: Toluene-d8	8.96		"	13.3		67.2		20-170			
Surrogate: 4-Bromofluorobenzene	11.1		"	13.3		83.4		21-167			

Matrix Spike (BEI0657-MS1)

Source: 2109421-01

Prepared: 09/30/21 Analyzed: 10/02/21

Benzene	24.9	1.0	ug/l	33.3	ND	74.6		34-141			
Toluene	17.1	1.0	"	33.3	ND	51.3		27-151			
Ethylbenzene	39.2	1.0	"	33.3	ND	118		29-160			
m,p-Xylene	79.3	2.0	"	66.7	1.01	117		20-166			
o-Xylene	37.6	1.0	"	33.3	ND	113		33-159			
Surrogate: 1,2-Dichloroethane-d4	16.6		"	13.3		124		23-173			
Surrogate: Toluene-d8	9.09		"	13.3		68.2		20-170			
Surrogate: 4-Bromofluorobenzene	11.0		"	13.3		82.8		21-167			

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

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

Batch BEI0657 - EPA 5030 Water MS

Matrix Spike Dup (BEI0657-MSD1)	Source: 2109421-01			Prepared: 09/30/21 Analyzed: 10/02/21					
Benzene	24.8	1.0	ug/l	33.3	ND	74.6	34-141	0.0805	30
Toluene	16.9	1.0	"	33.3	ND	50.6	27-151	1.35	30
Ethylbenzene	39.2	1.0	"	33.3	ND	118	29-160	0.0765	30
m,p-Xylene	78.6	2.0	"	66.7	1.01	116	20-166	0.849	30
o-Xylene	37.3	1.0	"	33.3	ND	112	33-159	0.668	30
Surrogate: 1,2-Dichloroethane-d4	17.2		"	13.3		129	23-173		
Surrogate: Toluene-d8	9.01		"	13.3		67.6	20-170		
Surrogate: 4-Bromofluorobenzene	11.1		"	13.3		83.4	21-167		

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10/07/21 13:01

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