

# Summit Scientific

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4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

June 08, 2021

Max Knop

K.P. Kauffman

1675 Broadway

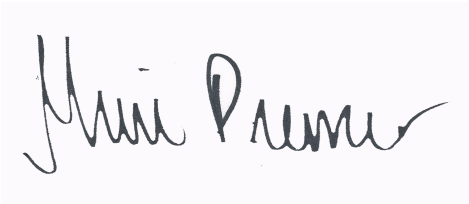
Denver, CO 80202

RE: Johnson 32-30 PBV

Work Order #2105433

Enclosed are the results of analyses for samples received by Summit Scientific on 05/26/21 16:05. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Muri Premer", is displayed on a light purple rectangular background.

Muri Premer For Paul Shrewsbury  
President



K.P. Kauffman  
1675 Broadway  
Denver CO, 80202

Project: Johnson 32-30 PBV

Project Number: [none]  
Project Manager: Max Knop

**Reported:**  
06/08/21 17:51

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
South #1 (BG)	2105433-01	Soil	05/26/21 12:00	05/26/21 16:05
West #2 (BG)	2105433-02	Soil	05/26/21 12:05	05/26/21 16:05
North #3 (BG)	2105433-03	Soil	05/26/21 12:10	05/26/21 16:05

Summit Scientific

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# Summit Scientific

Page 1 of 1

Project Manager:	Max Knop
E-Mail:	mknop@kpk.com; mduran@kpk.com
Project Name:	Johnson 32-30 PBV
Project Number:	

[www.s2scientific.com](http://www.s2scientific.com)

# Sample Receipt Checklist

S2 Work Order 2105433

Client: KP KowHman

Client Project ID: Johnson 32-30 PBL

Shipped Via: ☐ H.D./P.U./FedEx/UPS/USPS/Other

Airbill #: \_\_\_\_\_

☐ ☒ ☐ ☐ ☐

Matrix (check all that apply):

☐ Air

☒ Soil/Solid

☐ Water

☐ Other:

(Describe)

Temp (°C)	/ 6
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Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C <sup>(1)</sup> ? NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	On ice.
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If custody seals are present, are they intact <sup>(1)</sup> ?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded <sup>(1)</sup> ?	<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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) <sup>(1)</sup> ? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 <sup>(1)</sup> ? 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):				
<sup>(1)</sup> If NO, then contact the client before proceeding with analysis and note in case narrative.				

JB  
Custodian Printed Name or Initials

Josh Bue  
Signature of Custodian

5/26/21  
Date/Time



K.P. Kauffman  
1675 Broadway  
Denver CO, 80202

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Project Manager: Max Knop

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**South #1 (BG)**  
**2105433-01 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Date Sampled: **05/26/21 12:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Arsenic	<b>4.90</b>	0.200		mg/kg dry	1	BEF0116	06/04/21	06/08/21	EPA 6020B	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **05/26/21 12:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
% Solids	<b>86.7</b>			%	1	BEF0071	06/03/21	06/03/21	Calculation	

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Project Manager: Max Knop

**Reported:**  
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**West #2 (BG)**  
**2105433-02 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Date Sampled: **05/26/21 12:05**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Arsenic	4.48	0.200		mg/kg dry	1	BEF0116	06/04/21	06/08/21	EPA 6020B	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **05/26/21 12:05**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
% Solids	88.5			%	1	BEF0071	06/03/21	06/03/21	Calculation	

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Project Manager: Max Knop

**Reported:**  
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**North #3 (BG)**  
**2105433-03 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Date Sampled: **05/26/21 12:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Arsenic	4.55	0.200		mg/kg dry	1	BEF0116	06/04/21	06/08/21	EPA 6020B	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **05/26/21 12:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
% Solids	87.5			%	1	BEF0071	06/03/21	06/03/21	Calculation	

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Project Manager: Max Knop

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### Total Metals by EPA 6020B - Quality Control

#### Summit Scientific

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

#### Batch BEF0116 - EPA 3050B

##### Blank (BEF0116-BLK1)

Prepared: 06/04/21 Analyzed: 06/07/21

Arsenic ND 0.200 mg/kg wet

##### LCS (BEF0116-BS1)

Prepared: 06/04/21 Analyzed: 06/07/21

Arsenic 47.7 0.200 mg/kg wet 40.0 119 80-120

##### Duplicate (BEF0116-DUP1)

Source: 2105432-01

Prepared: 06/04/21 Analyzed: 06/08/21

Arsenic 5.89 0.200 mg/kg dry 5.51 6.78 20

##### Matrix Spike (BEF0116-MS1)

Source: 2105432-01

Prepared: 06/04/21 Analyzed: 06/08/21

Arsenic 54.1 0.200 mg/kg dry 48.7 5.51 99.9 75-125

##### Matrix Spike Dup (BEF0116-MSD1)

Source: 2105432-01

Prepared: 06/04/21 Analyzed: 06/08/21

Arsenic 56.8 0.200 mg/kg dry 48.7 5.51 105 75-125 4.83 25

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**Physical Parameters by APHA/ASTM/EPA Methods - Quality Control**

**Summit Scientific**

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

**Batch BEF0071 - General Preparation**

**Duplicate (BEF0071-DUP1)**

**Source: 2105431-01**

Prepared & Analyzed: 06/03/21

% Solids	90.1	%	89.9	0.221	20
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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