

Summit Scientific

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 that reads "Muri Premer". The signature is written in a cursive style with a large initial "M" and a long, sweeping underline.

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

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Sample Receipt Checklist

S2 Work Order 2105933

Client: KP Kawftman 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 ⁽¹⁾ ? NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun.	✓			On ice.
Were all samples received intact ⁽¹⁾ ?	✓			
Was adequate sample volume provided ⁽¹⁾ ?	✓			
If custody seals are present, are they intact ⁽¹⁾ ?			✓	
Are samples with holding times due within 48 hours sample due within 48 hours present?			✓	
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	✓			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	✓			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	✓			
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	✓			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	JSB		✓	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect			✓	
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments.			✓	
If dissolved metals are requested, were samples field filtered?			✓	

Additional Comments (if any):

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.

JSB
Custodian Printed Name or Initials

Josh Bree
Signature of Custodian

5/26/21
Date/Time



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

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Total Metals by EPA 6020B

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

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	4.90	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		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	86.7		%	1	BEF0071	06/03/21	06/03/21	Calculation	

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

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North #3 (BG)
2105433-03 (Soil)

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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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Total Metals by EPA 6020B - Quality Control

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

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

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

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