

October 29, 2020

Mr. Max Knop
K.P. Kauffman Company, Inc.
World Trade Center
1675 Broadway, Suite 2800
Denver, CO 80202-4825

Re: Surface and Groundwater Investigation, UPRR 43 PAN AM G, Consolidation #2 Release, Southeast Quarter of the Southeast Quarter, Section 29, Township 1 North, Range 67 West, Weld County, Colorado

Dear Mr. Knop:

Apex Consulting Services, Inc. (APEX) is pleased to submit the results of our surface and groundwater investigation for the UPRR 43 PAN AM G, Consolidation #2 Release, Southeast Quarter of the Southeast Quarter, Section 29, Township 1 North, Range 67 West, Weld County, Colorado (SPILL). On September 9, 2020, a leak from a flowline was discovered. The leak was repaired and soil in the vicinity of the leak was excavated and disposed.

Surface Water (Ditch) and Groundwater Sampling

On October 21, 2020, APEX collected a groundwater sample from a private water well located approximately 450' southwest of the SPILL (DWR Permit 277049). The well is 840 feet deep and is located at 1073 County Road 17, Fort Lupton, Colorado. Field parameters (pH, specific conductance, and temperature) were recorded during sampling. The sample was collected from an outdoor spigot when pH, specific conductance, and temperature parameters were stable. The sample location is illustrated on Figure 1.

APEX collected surface water samples from the Brighton ditch on October 21, 2020. Samples were collected approximately 150 feet upstream (1073-U – Ditch) of the SPILL, at the SPILL (1073-S – Ditch) and approximately 150 feet downstream (1073-D – Ditch) of the SPILL. Field parameters (pH, specific conductance, and temperature) were recorded during sampling. The sample location is illustrated on Figure 1.

LABORATORY ANALYSES AND RESULTS

The samples were handled with clean, new, nitrile gloves and placed in laboratory supplied vials and bottles. The samples (vials and bottles) were stored on ice in a cooler and delivered to Summit Scientific (SUMMIT) of Golden, Colorado under chain-of-custody documentation. The samples were analyzed for BTEX by EPA Method 8260B, chloride and sulfate by EPA Method 300 and total dissolved solids (TDS) by EPA Method SM 540C. The laboratory reports provided by SUMMIT are included in Attachment A. The analytical results are also summarized on Table 1.

DISCUSSIONS AND CONCLUSIONS

The analytical results indicate that BTEX compounds were not detected in any of the samples submitted for analysis. Also, the chloride, sulfate and TDS concentrations detected in the samples do not exceed background concentrations. Based on the analytical results, it does not appear that SPILL has impacted surface (ditch) or groundwater in the area. Consequently, additional surface or groundwater sampling and analysis is not necessary.

If you have any questions or comments, please call.

Sincerely,

APEX CONSULTING SERVICES, INC.

A handwritten signature in blue ink that reads 'Michael Hattel'.

Michael D. Hattel, P.G., P.E.S.
Principal

MDH:mh

UPPR43.FtLupton.Water.Rpt.2020



Date:	September 2020
Designed By:	K.P. Kauffman Co.
Drawn By:	MWK



K.P. Kauffman Company, Inc.
1675 Broadway, Suite 2800
Denver CO, 80202

K.P. Kauffman Company, Inc.
UPRR 43 PAN AM G Consolidation Release #2
SESE, Section 29, Township 1 North, Range 67 West
Weld County, Colorado

Figure #1
Site Map

TABLE 1

SUMMARY OF LABORATORY RESULTS

FOR SURFACE AND GROUNDWATER SAMPLES COLLECTED FROM

UPRR 43 PAN AM G, WELD COUNTY, COLORADO

Sample	Date	pH	Specific Conductance (mS)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-Benzene (ug/L)	Total Xylenes (ug/L)	Chloride (mg/L)	Sulfate* (mg/L)	TDS (mg/L)
1073-U	10/21/20	7.50	0.938	<1	<1	<1	<2	82.6	178.0	610
1073-S	10/21/20	7.63	0.940	<1	<1	<1	<2	84.4	183.0	627
1073-D	10/21/20	7.53	0.936	<1	<1	<1	<2	94.0	201.0	628
1073-Well	10/21/20	8.07	1.366	<1	<1	<1	<2	31.7	<0.3	510
Standard	NA	NA	NA	5	1000	700	1400	*103.3	*222.5	*763

Standard = Colorado Oil and Gas Conservation Commission (COGCC) and/or State of Colorado

mS = Microsiemens at 25 degrees Celcius

ug/L = Micrograms per liter

mg/L = Milligrams per liter

* = 1.25 x background for surface water samples

Benzene, toluene, ethylbenzene, and total xylenes by EPA Method 8260

Chloride by EPA Method 300

Sulfate by EPA Method 300

TDS by EPA Method SM 540C

NA = Not Applicable

APPENDIX A

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

October 28, 2020

Max Knop

K.P. Kauffman

1675 Broadway

Denver, CO 80202

RE: UPRR 43 Pan Am G

Work Order #2010263

Enclosed are the results of analyses for samples received by Summit Scientific on 10/21/20 15:33. 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: UPRR 43 Pan Am G

Project Number: [none]
Project Manager: Max Knop

Reported:
10/28/20 14:01

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
1073-U	2010263-01	Water	10/21/20 10:45	10/21/20 15:33
1073-S	2010263-02	Water	10/21/20 11:00	10/21/20 15:33
1073-D	2010263-03	Water	10/21/20 11:10	10/21/20 15:33
1073-Well	2010263-04	Water	10/21/20 11:30	10/21/20 15:33

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

2010263

4653 Table Mountain Drive ♦ Golden, Colorado 80403
303-277-9310

Page 1 of 1

Client: K.P. Kauffman

Project Manager: Max Knop

Address: 1675 Broadway

E-Mail: M Knop/ M Hattel

City/State/Zip: Denver, CO 80202

Phone: 303.825.4822

Project Name: LCPR 43 Pan Am G

Sampler Name: MH

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	BTEX	TDS	Chlorides	Sulfate	
1	1073-L	10/21/20	1045	4				X	X				X	X	X	X	
2	1073-S		1100	4				X	X				X	X	X	X	
3	1073-D		1110	4				X	X				X	X	X	X	
4	1073-Well		1130	4				X	X				X	X	X	X	
5																	
6																	
7																	
8																	
9																	
10																	

Relinquished by: <u>[Signature]</u>	Date/Time: <u>10/21/20 15:33</u>	Received by: <u>[Signature]</u>	Date/Time: <u>10-21-20 15:33</u>	Turn Around Time (Check) Same Day <input type="checkbox"/> 72 hours <input type="checkbox"/> 24 hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/> 48 hours <input type="checkbox"/> Sample Integrity: Temperature Upon Receipt: <u>3.8</u> Samples Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No	Notes:
Relinquished by:	Date/Time:	Received by:	Date/Time:		
Relinquished by:	Date/Time:	Received by:	Date/Time:		

Sample Receipt Checklist

S2 Work Order 2010263

Client: KP Kauffman

Client Project ID: UPPR Pan Am G

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

Airbill #: _____

☒ ☐ ☐ ☐ ☐

Matrix (check all that apply):

☐ Air

☐ Soil/Solid

☒ Water

☐ Other:

(Describe)

Temp (°C)

3.8

Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun.				
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 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 ⁽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⁾ ?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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⁾ ?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Record the pH in Comments.				
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.

MP

Custodian Printed Name or Initials

Muri Premer

Signature of Custodian

10/21/20

Date/Time



K.P. Kauffman
1675 Broadway
Denver CO, 80202

Project: UPRR 43 Pan Am G

Project Number: [none]
Project Manager: Max Knop

Reported:
10/28/20 14:01

1073-U
2010263-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/21/20 10:45**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BDJ0294	10/22/20	10/25/20	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	2.0		"	"	"	"	"	"	

Date Sampled: **10/21/20 10:45**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		95.3 %		23-173		"	"	"	"	
Surrogate: Toluene-d8		94.6 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		85.7 %		21-167		"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **10/21/20 10:45**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Sulfate	178	30.0		mg/L	100	BDJ0297	10/22/20	10/23/20	EPA 300.0	
Chloride	82.6	6.00		"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **10/21/20 10:45**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Dissolved Solids	610	10.0		mg/L	1	BDJ0310	10/23/20	10/23/20	SM2540C	

Summit Scientific

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K.P. Kauffman
1675 Broadway
Denver CO, 80202

Project: UPRR 43 Pan Am G

Project Number: [none]
Project Manager: Max Knop

Reported:
10/28/20 14:01

1073-S
2010263-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/21/20 11:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BDJ0294	10/22/20	10/25/20	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **10/21/20 11:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		97.3 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		93.0 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		82.7 %	21-167		"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **10/21/20 11:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Chloride	84.8	6.00	mg/L	100	BDJ0297	10/22/20	10/23/20	EPA 300.0	
Sulfate	183	30.0	"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **10/21/20 11:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Total Dissolved Solids	627	10.0	mg/L	1	BDJ0310	10/23/20	10/23/20	SM2540C	

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K.P. Kauffman
1675 Broadway
Denver CO, 80202

Project: UPRR 43 Pan Am G

Project Number: [none]
Project Manager: Max Knop

Reported:
10/28/20 14:01

1073-D
2010263-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/21/20 11:10**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BDJ0294	10/22/20	10/25/20	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **10/21/20 11:10**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		98.3 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		95.6 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		83.7 %	21-167		"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **10/21/20 11:10**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Sulfate	201	30.0	mg/L	100	BDJ0297	10/22/20	10/23/20	EPA 300.0	
Chloride	94.0	6.00	"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **10/21/20 11:10**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Total Dissolved Solids	628	10.0	mg/L	1	BDJ0310	10/23/20	10/23/20	SM2540C	

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K.P. Kauffman
1675 Broadway
Denver CO, 80202

Project: UPRR 43 Pan Am G

Project Number: [none]
Project Manager: Max Knop

Reported:
10/28/20 14:01

1073-Well
2010263-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/21/20 11:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BDJ0294	10/22/20	10/25/20	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **10/21/20 11:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		97.1 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		93.2 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		81.3 %	21-167		"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **10/21/20 11:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Chloride	31.7	6.00	mg/L	100	BDJ0297	10/22/20	10/23/20	EPA 300.0	
Sulfate	ND	0.300	"	1	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **10/21/20 11:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Total Dissolved Solids	510	10.0	mg/L	1	BDJ0310	10/23/20	10/23/20	SM2540C	

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K.P. Kauffman
1675 Broadway
Denver CO, 80202

Project: UPRR 43 Pan Am G

Project Number: [none]
Project Manager: Max Knop

Reported:
10/28/20 14:01

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 BDJ0294 - EPA 5030 Water MS

Blank (BDJ0294-BLK1)

Prepared: 10/22/20 Analyzed: 10/25/20

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	2.0	"							
Surrogate: 1,2-Dichloroethane-d4	13.2		"	13.3		99.2	23-173			
Surrogate: Toluene-d8	13.7		"	13.3		103	20-170			
Surrogate: 4-Bromofluorobenzene	11.1		"	13.3		83.3	21-167			

LCS (BDJ0294-BS1)

Prepared: 10/22/20 Analyzed: 10/25/20

Benzene	22.6	1.0	ug/l	33.3		67.8	51-132			
Toluene	32.4	1.0	"	33.3		97.3	51-138			
Ethylbenzene	36.3	1.0	"	33.3		109	58-146			
m,p-Xylene	74.0	2.0	"	66.7		111	57-144			
o-Xylene	35.4	1.0	"	33.3		106	53-146			
Surrogate: 1,2-Dichloroethane-d4	13.1		"	13.3		98.2	23-173			
Surrogate: Toluene-d8	14.0		"	13.3		105	20-170			
Surrogate: 4-Bromofluorobenzene	11.5		"	13.3		86.0	21-167			

Matrix Spike (BDJ0294-MS1)

Source: 2010253-01

Prepared: 10/22/20 Analyzed: 10/25/20

Benzene	23.0	1.0	ug/l	33.3	ND	69.1	34-141			
Toluene	32.5	1.0	"	33.3	ND	97.5	27-151			
Ethylbenzene	36.8	1.0	"	33.3	ND	110	29-160			
m,p-Xylene	75.3	2.0	"	66.7	ND	113	20-166			
o-Xylene	36.1	1.0	"	33.3	ND	108	33-159			
Surrogate: 1,2-Dichloroethane-d4	13.5		"	13.3		102	23-173			
Surrogate: Toluene-d8	13.9		"	13.3		104	20-170			
Surrogate: 4-Bromofluorobenzene	11.1		"	13.3		83.2	21-167			

Summit Scientific

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K.P. Kauffman
1675 Broadway
Denver CO, 80202

Project: UPRR 43 Pan Am G

Project Number: [none]
Project Manager: Max Knop

Reported:
10/28/20 14:01

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 BDJ0294 - EPA 5030 Water MS

Matrix Spike Dup (BDJ0294-MSD1)	Source: 2010253-01			Prepared: 10/22/20 Analyzed: 10/25/20						
Benzene	22.6	1.0	ug/l	33.3	ND	67.9	34-141	1.71	30	
Toluene	31.7	1.0	"	33.3	ND	95.0	27-151	2.59	30	
Ethylbenzene	35.6	1.0	"	33.3	ND	107	29-160	3.20	30	
m,p-Xylene	72.2	2.0	"	66.7	ND	108	20-166	4.23	30	
o-Xylene	35.3	1.0	"	33.3	ND	106	33-159	2.27	30	
Surrogate: 1,2-Dichloroethane-d4	14.2		"	13.3		107	23-173			
Surrogate: Toluene-d8	13.8		"	13.3		103	20-170			
Surrogate: 4-Bromofluorobenzene	11.1		"	13.3		83.2	21-167			

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.



K.P. Kauffman
1675 Broadway
Denver CO, 80202

Project: UPRR 43 Pan Am G

Project Number: [none]
Project Manager: Max Knop

Reported:
10/28/20 14:01

Anions by EPA Method 300.0 - Quality Control

Summit Scientific

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

Batch BDJ0297 - General Preparation

Blank (BDJ0297-BLK1)

Prepared: 10/22/20 Analyzed: 10/23/20

Chloride	ND	0.0600	mg/L
Sulfate	ND	0.300	"

LCS (BDJ0297-BS1)

Prepared: 10/22/20 Analyzed: 10/23/20

Chloride	2.94	0.0600	mg/L	3.00	97.9	90-110
Sulfate	14.7	0.300	"	15.0	98.3	90-110

Duplicate (BDJ0297-DUP1)

Source: 2010239-01

Prepared: 10/22/20 Analyzed: 10/23/20

Chloride	95.3	6.00	mg/L	99.8	4.61	20
Sulfate	42.9	30.0	"	43.7	1.85	20

Matrix Spike (BDJ0297-MS1)

Source: 2010239-01

Prepared: 10/22/20 Analyzed: 10/23/20

Chloride	356	6.00	mg/L	300	99.8	85.4	80-120
Sulfate	1620	30.0	"	1500	43.7	105	80-120

Summit Scientific

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K.P. Kauffman
1675 Broadway
Denver CO, 80202

Project: UPRR 43 Pan Am G

Project Number: [none]
Project Manager: Max Knop

Reported:
10/28/20 14:01

Total Dissolved Solids by SM2540C - Quality Control
Summit Scientific

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

Batch BDJ0310 - General Preparation

Blank (BDJ0310-BLK1)

Prepared & Analyzed: 10/23/20

Total Dissolved Solids ND 10.0 mg/L

Duplicate (BDJ0310-DUP1)

Source: 2010263-01

Prepared & Analyzed: 10/23/20

Total Dissolved Solids 610 10.0 mg/L 610 0.0328 20

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.



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Project: UPRR 43 Pan Am G

Project Number: [none]
Project Manager: Max Knop

Reported:
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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