

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

June 02, 2022

Vince DeCianne

Whiting Oil & Gas

retail

Denver, CO 80215

RE: AC McLaughlin 93 Closure

Work Order #2201265

Enclosed are the results of analyses for samples received by Summit Scientific on 01/24/22 10:55. 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



Whiting Oil & Gas
retail
Denver CO, 80215

Project: AC McLaughlin 93 Closure

Project Number: 20221740.001A

Project Manager: Vince DeCianne

Reported:
06/02/22 11:45

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
20220118_AC McLaughlin 93_WH@6ft	2201265-01	Soil	01/18/22 09:35	01/24/22 10:55

Sample ID has been changed to 20220118_AC McLaughlin 93_WH@6f per request of JV 06/02/22
MP - 06/02/22

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Summit Scientific 2201265

S₂

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

Page: 1 of 1

Client: Whiting Oil & Gas

Project Manager: Vince DeCianne

Address: 707 17th Street, Suite 3000

E-Mail: jveith@kleinfelder.com

City/State/Zip: Denver, CO 80202

kyle.waggoner@whiting.com

Phone: 970-309-6553

Project Name: AC McLaughlin 93 Closure

Sampler Name: Jordan Veith

Project Number: 20221740.001A

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested								Special Instructions	
					HCl	HNO ₃	None	Other	Water	Soil	Air-Canister #	Other	COGCC Table 915-1	Arsenic, EC, pH, SAR	EC	SAR	pH	Arsenic				
1	<u>20220118 - AC McLaughlin 93 Closure</u>	<u>1/18/2022</u>	<u>9:35</u>	<u>3</u>			<u>X</u>			<u>X</u>				<u>X</u>								
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						

Relinquished by: [Signature] Date/Time: 1/19/2022 1900

Relinquished by: _____ Date/Time: _____

Relinquished by: _____ Date/Time: _____

Received by: _____ Date/Time: _____

Received by: [Signature] 1/24/22 1055

Received by: _____ Date/Time: _____

Turn Around Time (Check)
 Same Day _____ 72 hours _____ 24 hours _____
Standard _____ 48 hours _____
 Integrity: _____
 Upon Receipt: 3.5 Samples Intact: _____
Yes No

Notes:

S₂

Sample Receipt Checklist

S2 Work Order# 2201265Client: Whiting Oil & GasClient Project ID: AL McLaughlin 93 ClosureShipped Via: H.D./P.U./FedEx/UPS/USPS/Other Airbill #: _____
☐ ☐ ☒ ☐ ☐
Matrix (check all that apply): ☐ Air ☒ Soil/Solid ☐ Water ☐ Other: _____
(Describe)

Temp (°C)	
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Thermometer ID: G86A9201901378

	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 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 type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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.

JB
Custodian Printed Name or Initials

1/24/22
Date/Time



Whiting Oil & Gas
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Denver CO, 80215

Project: AC McLaughlin 93 Closure

Project Number: 20221740.001A

Project Manager: Vince DeCianne

Reported:
06/02/22 11:45

**20220118_AC McLaughlin 93_WH@6ft
2201265-01 (Soil)**

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Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/18/22 09:35**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BFA0439	01/27/22	01/29/22	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **01/18/22 09:35**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		117 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		105 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.4 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/18/22 09:35**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BFA0440	01/27/22	01/28/22	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **01/18/22 09:35**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		119 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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Project: AC McLaughlin 93 Closure

Project Number: 20221740.001A

Project Manager: Vince DeCianne

Reported:

06/02/22 11:45

**20220118_AC McLaughlin 93_WH@6ft
2201265-01 (Soil)**

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **01/18/22 09:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BFA0438	01/27/22	01/28/22	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **01/18/22 09:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10		69.0 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		61.5 %	40-150		"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/18/22 09:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BFB0028	02/02/22	02/02/22	EPA 7196A	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/18/22 09:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Project: AC McLaughlin 93 Closure

Project Number: 20221740.001A

Project Manager: Vince DeCianne

Reported:

06/02/22 11:45

20220118_AC McLaughlin 93_WH@6ft
2201265-01 (Soil)

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Physical Parameters by APHA/ASTM/EPA Methods

% Solids	75.1	%	1	BFA0409	01/25/22	01/26/22	Calculation
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Project: AC McLaughlin 93 Closure

Project Number: 20221740.001A

Project Manager: Vince DeCianne

Reported:

06/02/22 11:45

Volatile Organic Compounds by EPA Method 8260B - Quality Control

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

Batch BFA0439 - EPA 5030 Soil MS

Blank (BFA0439-BLK1)

Prepared: 01/27/22 Analyzed: 01/28/22

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
1,2,4-Trimethylbenzene	ND	0.0050	"							
1,3,5-Trimethylbenzene	ND	0.0050	"							
Naphthalene	ND	0.0038	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0446		"	0.0400		112	23-173			
Surrogate: Toluene-d8	0.0423		"	0.0400		106	20-170			
Surrogate: 4-Bromofluorobenzene	0.0379		"	0.0400		94.6	21-167			

LCS (BFA0439-BS1)

Prepared: 01/27/22 Analyzed: 01/28/22

Benzene	0.0691	0.0020	mg/kg	0.0750		92.2	70-130			
Toluene	0.0758	0.0050	"	0.0750		101	70-130			
Ethylbenzene	0.0691	0.0050	"	0.0750		92.2	70-130			
m,p-Xylene	0.137	0.010	"	0.150		91.2	70-130			
o-Xylene	0.0710	0.0050	"	0.0750		94.7	70-130			
1,2,4-Trimethylbenzene	0.0740	0.0050	"	0.0750		98.7	70-130			
1,3,5-Trimethylbenzene	0.0717	0.0050	"	0.0750		95.6	70-130			
Naphthalene	0.0944	0.0038	"	0.0750		126	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0428		"	0.0400		107	23-173			
Surrogate: Toluene-d8	0.0434		"	0.0400		108	20-170			
Surrogate: 4-Bromofluorobenzene	0.0382		"	0.0400		95.4	21-167			

Matrix Spike (BFA0439-MS1)

Source: 2201259-01

Prepared: 01/27/22 Analyzed: 01/28/22

Benzene	0.0735	0.0020	mg/kg	0.0750	ND	98.0	70-130			
Toluene	0.0829	0.0050	"	0.0750	ND	111	70-130			
Ethylbenzene	0.0800	0.0050	"	0.0750	ND	107	70-130			
m,p-Xylene	0.160	0.010	"	0.150	ND	107	70-130			
o-Xylene	0.0820	0.0050	"	0.0750	ND	109	70-130			
1,2,4-Trimethylbenzene	0.0868	0.0050	"	0.0750	ND	116	70-130			
1,3,5-Trimethylbenzene	0.0842	0.0050	"	0.0750	ND	112	70-130			
Naphthalene	0.0958	0.0038	"	0.0750	ND	128	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0461		"	0.0400		115	23-173			
Surrogate: Toluene-d8	0.0420		"	0.0400		105	20-170			
Surrogate: 4-Bromofluorobenzene	0.0394		"	0.0400		98.4	21-167			

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Project: AC McLaughlin 93 Closure

Project Number: 20221740.001A

Project Manager: Vince DeCianne

Reported:
06/02/22 11:45

Volatile Organic Compounds by EPA Method 8260B - Quality Control

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

Batch BFA0439 - EPA 5030 Soil MS

Matrix Spike Dup (BFA0439-MSD1)		Source: 2201259-01			Prepared: 01/27/22 Analyzed: 01/28/22					
Benzene	0.0763	0.0020	mg/kg	0.0750	ND	102	70-130	3.73	30	
Toluene	0.0822	0.0050	"	0.0750	ND	110	70-130	0.909	30	
Ethylbenzene	0.0827	0.0050	"	0.0750	ND	110	70-130	3.39	30	
m,p-Xylene	0.165	0.010	"	0.150	ND	110	70-130	3.13	30	
o-Xylene	0.0842	0.0050	"	0.0750	ND	112	70-130	2.60	30	
1,2,4-Trimethylbenzene	0.0896	0.0050	"	0.0750	ND	120	70-130	3.20	30	
1,3,5-Trimethylbenzene	0.0864	0.0050	"	0.0750	ND	115	70-130	2.60	30	
Naphthalene	0.0877	0.0038	"	0.0750	ND	117	70-130	8.80	30	
Surrogate: 1,2-Dichloroethane-d4		0.0453	"	0.0400		113	23-173			
Surrogate: Toluene-d8		0.0412	"	0.0400		103	20-170			
Surrogate: 4-Bromofluorobenzene		0.0389	"	0.0400		97.4	21-167			

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Denver CO, 80215

Project: AC McLaughlin 93 Closure

Project Number: 20221740.001A

Project Manager: Vince DeCianne

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Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch BFA0440 - EPA 3550A

Blank (BFA0440-BLK1)

Prepared: 01/27/22 Analyzed: 01/28/22

C10-C28 (DRO)	ND	50	mg/kg
C28-C36 (ORO)	ND	50	"

LCS (BFA0440-BS1)

Prepared: 01/27/22 Analyzed: 01/28/22

C10-C28 (DRO)	472	50	mg/kg	500	94.4	70-130
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Matrix Spike (BFA0440-MS1)

Source: 2201261-01

Prepared: 01/27/22 Analyzed: 01/28/22

C10-C28 (DRO)	514	50	mg/kg	500	24.4	97.9	70-130
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Matrix Spike Dup (BFA0440-MSD1)

Source: 2201261-01

Prepared: 01/27/22 Analyzed: 01/28/22

C10-C28 (DRO)	530	50	mg/kg	500	24.4	101	70-130	2.95	20
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Project: AC McLaughlin 93 Closure

Project Number: 20221740.001A

Project Manager: Vince DeCianne

Reported:

06/02/22 11:45

PAH by EPA Method 8270D SIM - Quality Control

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

Batch BFA0438 - EPA 5030 Soil MS

Blank (BFA0438-BLK1)

Prepared: 01/27/22 Analyzed: 01/28/22

Acenaphthene	ND	0.00500	mg/kg							
Anthracene	ND	0.00500	"							
Benzo (a) anthracene	ND	0.00500	"							
Benzo (a) pyrene	ND	0.00500	"							
Benzo (b) fluoranthene	ND	0.00500	"							
Benzo (k) fluoranthene	ND	0.00500	"							
Chrysene	ND	0.00500	"							
Dibenz (a,h) anthracene	ND	0.00500	"							
Fluoranthene	ND	0.00500	"							
Fluorene	ND	0.00500	"							
Indeno (1,2,3-cd) pyrene	ND	0.00500	"							
Pyrene	ND	0.00500	"							
1-Methylnaphthalene	ND	0.00500	"							
2-Methylnaphthalene	ND	0.00500	"							
Surrogate: 2-Methylnaphthalene-d10	0.0245		"	0.0333		73.4	40-150			
Surrogate: Fluoranthene-d10	0.0206		"	0.0333		61.9	40-150			

LCS (BFA0438-BS1)

Prepared: 01/27/22 Analyzed: 01/28/22

Acenaphthene	0.0241	0.00500	mg/kg	0.0333		72.3	31-137			
Anthracene	0.0250	0.00500	"	0.0333		75.0	30-120			
Benzo (a) anthracene	0.0252	0.00500	"	0.0333		75.7	30-120			
Benzo (a) pyrene	0.0260	0.00500	"	0.0333		78.0	30-120			
Benzo (b) fluoranthene	0.0266	0.00500	"	0.0333		79.7	30-120			
Benzo (k) fluoranthene	0.0317	0.00500	"	0.0333		95.2	30-120			
Chrysene	0.0277	0.00500	"	0.0333		83.2	30-120			
Dibenz (a,h) anthracene	0.0255	0.00500	"	0.0333		76.4	30-120			
Fluoranthene	0.0251	0.00500	"	0.0333		75.3	30-120			
Fluorene	0.0251	0.00500	"	0.0333		75.3	30-120			
Indeno (1,2,3-cd) pyrene	0.0277	0.00500	"	0.0333		83.0	30-120			
Pyrene	0.0265	0.00500	"	0.0333		79.6	35-142			
1-Methylnaphthalene	0.0259	0.00500	"	0.0333		77.7	35-142			
2-Methylnaphthalene	0.0259	0.00500	"	0.0333		77.7	35-142			
Surrogate: 2-Methylnaphthalene-d10	0.0258		"	0.0333		77.3	40-150			
Surrogate: Fluoranthene-d10	0.0255		"	0.0333		76.4	40-150			

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Project: AC McLaughlin 93 Closure

Project Number: 20221740.001A

Project Manager: Vince DeCianne

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PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BFA0438 - EPA 5030 Soil MS

Matrix Spike (BFA0438-MS1)

Source: 2201263-01

Prepared: 01/27/22 Analyzed: 01/28/22

Acenaphthene	0.0239	0.00500	mg/kg	0.0333	ND	71.6	31-137				
Anthracene	0.0240	0.00500	"	0.0333	ND	71.9	30-120				
Benzo (a) anthracene	0.0239	0.00500	"	0.0333	ND	71.6	30-120				
Benzo (a) pyrene	0.0236	0.00500	"	0.0333	ND	70.8	30-120				
Benzo (b) fluoranthene	0.0261	0.00500	"	0.0333	ND	78.2	30-120				
Benzo (k) fluoranthene	0.0309	0.00500	"	0.0333	ND	92.6	30-120				
Chrysene	0.0263	0.00500	"	0.0333	ND	78.8	30-120				
Dibenz (a,h) anthracene	0.0170	0.00500	"	0.0333	ND	51.1	30-120				
Fluoranthene	0.0244	0.00500	"	0.0333	ND	73.2	30-120				
Fluorene	0.0246	0.00500	"	0.0333	ND	73.7	30-120				
Indeno (1,2,3-cd) pyrene	0.0177	0.00500	"	0.0333	ND	53.1	30-120				
Pyrene	0.0268	0.00500	"	0.0333	ND	80.5	35-142				
1-Methylnaphthalene	0.0267	0.00500	"	0.0333	ND	80.2	15-130				
2-Methylnaphthalene	0.0265	0.00500	"	0.0333	ND	79.6	15-130				
Surrogate: 2-Methylnaphthalene-d10	0.0269		"	0.0333		80.8	40-150				
Surrogate: Fluoranthene-d10	0.0240		"	0.0333		72.0	40-150				

Matrix Spike Dup (BFA0438-MSD1)

Source: 2201263-01

Prepared: 01/27/22 Analyzed: 01/28/22

Acenaphthene	0.0202	0.00500	mg/kg	0.0333	ND	60.6	31-137	16.6	30		
Anthracene	0.0214	0.00500	"	0.0333	ND	64.2	30-120	11.3	30		
Benzo (a) anthracene	0.0220	0.00500	"	0.0333	ND	65.9	30-120	8.19	30		
Benzo (a) pyrene	0.0225	0.00500	"	0.0333	ND	67.6	30-120	4.61	30		
Benzo (b) fluoranthene	0.0250	0.00500	"	0.0333	ND	75.1	30-120	4.05	30		
Benzo (k) fluoranthene	0.0287	0.00500	"	0.0333	ND	86.2	30-120	7.16	30		
Chrysene	0.0242	0.00500	"	0.0333	ND	72.7	30-120	7.95	30		
Dibenz (a,h) anthracene	0.0165	0.00500	"	0.0333	ND	49.6	30-120	3.04	30		
Fluoranthene	0.0213	0.00500	"	0.0333	ND	63.9	30-120	13.7	30		
Fluorene	0.0217	0.00500	"	0.0333	ND	65.2	30-120	12.3	30		
Indeno (1,2,3-cd) pyrene	0.0173	0.00500	"	0.0333	ND	51.8	30-120	2.42	30		
Pyrene	0.0247	0.00500	"	0.0333	ND	74.0	35-142	8.34	30		
1-Methylnaphthalene	0.0244	0.00500	"	0.0333	ND	73.2	15-130	9.17	50		
2-Methylnaphthalene	0.0245	0.00500	"	0.0333	ND	73.5	15-130	7.96	50		
Surrogate: 2-Methylnaphthalene-d10	0.0246		"	0.0333		73.9	40-150				
Surrogate: Fluoranthene-d10	0.0215		"	0.0333		64.6	40-150				

Summit Scientific

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Whiting Oil & Gas
retail
Denver CO, 80215

Project: AC McLaughlin 93 Closure

Project Number: 20221740.001A

Project Manager: Vince DeCianne

Reported:
06/02/22 11:45

Hexavalent Chromium by EPA Method 7196 - Quality Control

Summit Scientific

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

Batch BFB0028 - 3060A Mod

Blank (BFB0028-BLK1)

Prepared & Analyzed: 02/02/22

Chromium, Hexavalent ND 0.30 mg/kg wet

LCS (BFB0028-BS1)

Prepared & Analyzed: 02/02/22

Chromium, Hexavalent 30.0 0.30 mg/kg wet 25.0 120 80-120

Duplicate (BFB0028-DUP1)

Source: 2201259-01

Prepared & Analyzed: 02/02/22

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

Matrix Spike (BFB0028-MS1)

Source: 2201259-01

Prepared & Analyzed: 02/02/22

Chromium, Hexavalent 33.9 0.30 mg/kg dry 27.3 ND 124 75-125

Matrix Spike Dup (BFB0028-MSD1)

Source: 2201259-01

Prepared & Analyzed: 02/02/22

Chromium, Hexavalent 33.9 0.30 mg/kg dry 27.3 ND 124 75-125 0.00 20

Summit Scientific

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Reported:
06/02/22 11:45

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 BFA0409 - General Preparation

Duplicate (BFA0409-DUP1)

Source: 2201265-01

Prepared: 01/25/22 Analyzed: 01/26/22

% Solids	75.1	%	75.1	0.0333	20
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Summit Scientific

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Whiting Oil & Gas
retail
Denver CO, 80215

Project: AC McLaughlin 93 Closure

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Project Manager: Vince DeCianne

Reported:
06/02/22 11:45

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