

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80401

303.277.9310

August 07, 2023

Martin Eckert III

Eagle Environmental Consulting

8000 W 44th Ave

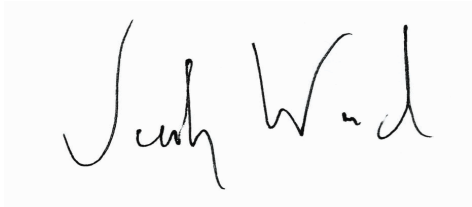
Wheat Ridge, CO 80033

RE: Civitas - Regnier Farms 19H-B268

Work Order # 2307549

Enclosed are the results of analyses for samples received by Summit Scientific on 07/28/23 15:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, reading "Jacob Wood". The signature is written in a cursive, flowing style. The first name "Jacob" is written with a large, looped 'J' and a small 'a'. The last name "Wood" is written with a large 'W' and a small 'd'.

Jacob Wood For Paul Shrewsbury

President



Eagle Environmental Consulting
8000 W 44th Ave
Wheat Ridge CO, 80033

Project: Civitas - Regnier Farms 19H-B268

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
08/07/23 09:28

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EX-SS-01@4'	2307549-01	Soil	07/28/23 09:46	07/28/23 15:40
EX-SS-02@4'	2307549-02	Soil	07/28/23 09:48	07/28/23 15:40
EX-SS-03@4'	2307549-03	Soil	07/28/23 09:50	07/28/23 15:40
EX-SS-04@4'	2307549-04	Soil	07/28/23 09:52	07/28/23 15:40
EX-FS-01@5'	2307549-05	Soil	07/28/23 09:54	07/28/23 15:40

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

4653 Table Mountain Drive
Golden, CO 80403
303-277-9310

Lab ID	Page / of /
2307549	

Client: <u>Eagle Env. Consulting</u>	Send Data To: Project Manager: <u>Martin Eckert III</u>	Send Invoice To: Company: <u>Civitas</u>
Address: <u>1000 W. 44th Ave</u>	E-Mail: <u>mce3@eagle-enviro.com</u>	Project Name/Location: <u>Regnier Farms 194-B268</u>
City/State/Zip: <u>Wheat Ridge, CO 80053</u>		AFE#: <u>COC82458</u>
Phone: <u>(303) 433-0474</u>	Project Name: <u>Regnier Farms 194-B268</u>	PO/Billing Codes: <u>8520.162</u>
Sampler Name:	Project Number: <u>-</u>	Contact: <u>Costin McQueen</u>

					Preservative				Matrix				Analysis Requested								Special Instructions
ID	Sample Description	Date Sampled	Time Sampled	# of containers	HCl	HNO3	None	Other _____	Water	Soil	Air-Canister #	Other _____	G, BTEX, TMBs, Naph. -8240D	DRO/RLO -8015D	PAHs -8240D SIM	EC -9050A	SAR -208	pH -9045D	Boron - BTPA/ Sorbitol		
1	EX-SS-01 e4'	7/28/23	0946	2			X			X			X	X	X	X	X	X	X		EC, SAR, pH = Saturated look prep
2	EX-SS-02 e4'	↓	0948	↓			↓			↓			↓	↓	↓	↓	↓	↓	↓		
3	EX-SS-03 e4'	↓	0950	↓			↓			↓			↓	↓	↓	↓	↓	↓	↓		
4	EX-SS-04 e4'	↓	0952	↓			↓			↓			↓	↓	↓	↓	↓	↓	↓		
5	EX-SS-01 e5'	↓	0954	↓			↓			↓			↓	↓	↓	↓	↓	↓	↓		
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
15																					

Relinquished by: <u>[Signature]</u>	Date/Time: <u>7/28/23 15:37</u>	Received by: <u>[Signature]</u>	Date/Time: <u>7/28/23 15:40</u>	TAT Business Days	Field DO	Notes:
				Same Day	Field EC	
Relinquished by:	Date/Time:	Received by:	Date/Time:	1 Day	Field ORP	
				2 Days	Field pH	
Relinquished by:	Date/Time:	Received by:	Date/Time:	3 Days	Field Temp.	
				Standard	Field Turb.	
Temperature Upon Receipt: <u>1.7</u>	Corrected Temperature	IR gun #: <u>2</u>	HNO3 lot #:			

S₂

Sample Receipt Checklist

S2 Work Order# 2307549

Client: Eagle Client Project ID: Regnier Farms 19H-B268Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other ☐ Airbill #: ☐

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

Matrix (Check all that apply) Air ☐ Soil/Solid ☒ Water ☐ Other ☐Temp (°C) ☐ Thermometer # ☐

	Yes	No	N/A	Comments (if any)
If samples require cooling, is the temperature < 6°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
If custody seals are present, are they intact? ⁽¹⁾	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples due within 48 hours present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	same day
Are water samples with short hold times present? Note the short hold analysis in the comments column - pH, Nitrate/Nitrite, Ferrous Iron (Fe ²⁺), Hexavalent Chromium (Cr ⁶⁺ , Cr VI), COD/BOD, Total Coliform, E. Coli, Total Residual Chlorine (TRC), Dissolved Oxygen	<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"/>	
Is the COC properly relinquished by the client w/ date and time recorded? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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"/>	
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"/>	
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.

J. W. Wad

Custodian Printed Name

7/28/23 15:40

Date/Time



Eagle Environmental Consulting
8000 W 44th Ave
Wheat Ridge CO, 80033

Project: Civitas - Regnier Farms 19H-B268

Project Number: [none]

Project Manager: Martin Eckert III

Reported:
08/07/23 09:28

EX-SS-01@4'
2307549-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/28/23 09:46**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Benzene	ND	0.0020	0.000098	mg/kg	1	BGG0983	07/28/23	07/28/23	EPA 8260B	
Toluene	ND	0.0050	0.00025	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	0.00021	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	0.00044	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	0.00024	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	0.00024	"	"	"	"	"	"	
Naphthalene	ND	0.0038	0.00036	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50		"	"	"	"	"	"	

Date Sampled: **07/28/23 09:46**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 1,2-Dichloroethane-d4		70.3 %		50-150		"	"	"	"	
Surrogate: Toluene-d8		81.6 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.0 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/28/23 09:46**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
C10-C28 (DRO)	15	50	4.3	mg/kg	1	BGG0982	07/28/23	07/28/23	EPA 8015M	J
C28-C36 (ORO)	ND	50	4.3	"	"	"	"	"	"	

Date Sampled: **07/28/23 09:46**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: o-Terphenyl		88.8 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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8000 W 44th Ave
Wheat Ridge CO, 80033

Project: Civitas - Regnier Farms 19H-B268

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
08/07/23 09:28

EX-SS-01@4'
2307549-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **07/28/23 09:46**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Anthracene	ND	0.00500	0.000308	mg/kg	1	BGG0997	07/31/23	07/31/23	EPA 8270D SIM	
Benzo (a) anthracene	ND	0.00500	0.000363	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	0.000234	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	0.000433	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	0.000423	"	"	"	"	"	"	
Chrysene	ND	0.00500	0.000237	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	0.00167	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	0.000373	"	"	"	"	"	"	
Fluorene	ND	0.00500	0.000477	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	0.00118	"	"	"	"	"	"	
Pyrene	ND	0.00500	0.000317	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	0.00185	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	0.00189	"	"	"	"	"	"	

Date Sampled: **07/28/23 09:46**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 2-Methylnaphthalene-d10		64.2 %		40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		63.6 %		40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **07/28/23 09:46**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Boron	1.14	0.0100	0.00690	mg/L	1	BGG1015	07/31/23	08/01/23	EPA 6020B	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **07/28/23 09:46**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Calcium	25.0	0.0527		mg/L dry	1	BGG1009	07/31/23	08/01/23	EPA 6020B	

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Project: Civitas - Regnier Farms 19H-B268

Project Number: [none]

Project Manager: Martin Eckert III

Reported:
08/07/23 09:28

EX-SS-01@4'
2307549-01 (Soil)

Summit Scientific

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Magnesium	7.11	0.0527	mg/L dry	1	BGG1009	07/31/23	08/01/23	EPA 6020B
Sodium	508	0.0527	"	"	"	"	"	"

Calculated Analysis

Date Sampled: **07/28/23 09:46**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	23.1	0.00100		units	1	BGH0076	08/02/23	08/02/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **07/28/23 09:46**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	94.8			%	1	BGG0991	07/31/23	07/31/23	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **07/28/23 09:46**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	3.47	0.0100	0.00100	mmhos/cm	1	BGH0037	08/01/23	08/01/23	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **07/28/23 09:46**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.84			pH Units	1	BGH0038	08/01/23	08/01/23	EPA 9045D	

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Eagle Environmental Consulting
8000 W 44th Ave
Wheat Ridge CO, 80033

Project: Civitas - Regnier Farms 19H-B268

Project Number: [none]

Project Manager: Martin Eckert III

Reported:
08/07/23 09:28

EX-SS-02@4'
2307549-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/28/23 09:48**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Benzene	ND	0.0020	0.000098	mg/kg	1	BGG0983	07/28/23	07/28/23	EPA 8260B	
Toluene	ND	0.0050	0.00025	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	0.00021	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	0.00044	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	0.00024	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	0.00024	"	"	"	"	"	"	
Naphthalene	ND	0.0038	0.00036	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50		"	"	"	"	"	"	

Date Sampled: **07/28/23 09:48**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 1,2-Dichloroethane-d4		76.8 %		50-150		"	"	"	"	
Surrogate: Toluene-d8		87.2 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.4 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/28/23 09:48**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
C10-C28 (DRO)	15	50	4.3	mg/kg	1	BGG0982	07/28/23	07/28/23	EPA 8015M	J
C28-C36 (ORO)	ND	50	4.3	"	"	"	"	"	"	

Date Sampled: **07/28/23 09:48**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: o-Terphenyl		89.9 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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Wheat Ridge CO, 80033

Project: Civitas - Regnier Farms 19H-B268

Project Number: [none]

Project Manager: Martin Eckert III

Reported:

08/07/23 09:28

EX-SS-02@4'
2307549-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **07/28/23 09:48**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Acenaphthene	ND	0.00500	0.000620	mg/kg	1	BGG0997	07/31/23	07/31/23	EPA 8270D SIM	
Anthracene	ND	0.00500	0.000308	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	0.000363	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	0.000234	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	0.000433	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	0.000423	"	"	"	"	"	"	
Chrysene	ND	0.00500	0.000237	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	0.00167	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	0.000373	"	"	"	"	"	"	
Fluorene	ND	0.00500	0.000477	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	0.00118	"	"	"	"	"	"	
Pyrene	ND	0.00500	0.000317	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	0.00185	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	0.00189	"	"	"	"	"	"	

Date Sampled: **07/28/23 09:48**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 2-Methylnaphthalene-d10		43.3 %		40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		41.5 %		40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **07/28/23 09:48**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Boron	0.214	0.0100	0.00690	mg/L	1	BGG1015	07/31/23	08/01/23	EPA 6020B	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **07/28/23 09:48**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							

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Eagle Environmental Consulting
8000 W 44th Ave
Wheat Ridge CO, 80033

Project: Civitas - Regnier Farms 19H-B268

Project Number: [none]

Project Manager: Martin Eckert III

Reported:
08/07/23 09:28

EX-SS-02@4'
2307549-02 (Soil)

Summit Scientific

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Calcium	90.2	0.0541	mg/L dry	1	BGG1009	07/31/23	08/01/23	EPA 6020B
Magnesium	60.1	0.0541	"	"	"	"	"	"
Sodium	89.0	0.0541	"	"	"	"	"	"

Calculated Analysis

Date Sampled: **07/28/23 09:48**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.78	0.00100		units	1	BGH0076	08/02/23	08/02/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **07/28/23 09:48**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	92.4			%	1	BGG0991	07/31/23	07/31/23	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **07/28/23 09:48**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.96	0.0100	0.00100	mmhos/cm	1	BGH0037	08/01/23	08/01/23	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **07/28/23 09:48**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.66			pH Units	1	BGH0038	08/01/23	08/01/23	EPA 9045D	

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Project: Civitas - Regnier Farms 19H-B268

Project Number: [none]

Project Manager: Martin Eckert III

Reported:
08/07/23 09:28

EX-SS-03@4'
2307549-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/28/23 09:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Benzene	ND	0.0020	0.000098	mg/kg	1	BGG0983	07/28/23	07/28/23	EPA 8260B	
Toluene	ND	0.0050	0.00025	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	0.00021	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	0.00044	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	0.00024	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	0.00024	"	"	"	"	"	"	
Naphthalene	ND	0.0038	0.00036	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50		"	"	"	"	"	"	

Date Sampled: **07/28/23 09:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 1,2-Dichloroethane-d4		68.7 %		50-150		"	"	"	"	
Surrogate: Toluene-d8		74.8 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.6 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/28/23 09:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
C10-C28 (DRO)	14	50	4.3	mg/kg	1	BGG0982	07/28/23	07/28/23	EPA 8015M	J
C28-C36 (ORO)	ND	50	4.3	"	"	"	"	"	"	

Date Sampled: **07/28/23 09:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: o-Terphenyl		82.6 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Eagle Environmental Consulting
8000 W 44th Ave
Wheat Ridge CO, 80033

Project: Civitas - Regnier Farms 19H-B268

Project Number: [none]

Project Manager: Martin Eckert III

Reported:

08/07/23 09:28

EX-SS-03@4'
2307549-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **07/28/23 09:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Acenaphthene	ND	0.00500	0.000620	mg/kg	1	BGG0997	07/31/23	07/31/23	EPA 8270D SIM	
Anthracene	ND	0.00500	0.000308	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	0.000363	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	0.000234	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	0.000433	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	0.000423	"	"	"	"	"	"	
Chrysene	ND	0.00500	0.000237	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	0.00167	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	0.000373	"	"	"	"	"	"	
Fluorene	ND	0.00500	0.000477	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	0.00118	"	"	"	"	"	"	
Pyrene	ND	0.00500	0.000317	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	0.00185	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	0.00189	"	"	"	"	"	"	

Date Sampled: **07/28/23 09:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 2-Methylnaphthalene-d10		50.8 %		40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		59.3 %		40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **07/28/23 09:50**


Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Boron	0.133	0.0100	0.00690	mg/L	1	BGG1015	07/31/23	08/01/23	EPA 6020B	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **07/28/23 09:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							

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Eagle Environmental Consulting
8000 W 44th Ave
Wheat Ridge CO, 80033

Project: Civitas - Regnier Farms 19H-B268

Project Number: [none]

Project Manager: Martin Eckert III

Reported:
08/07/23 09:28

EX-SS-03@4'
2307549-03 (Soil)

Summit Scientific

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Calcium	11.0	0.0522	mg/L dry	1	BGG1009	07/31/23	08/01/23	EPA 6020B
Magnesium	5.54	0.0522	"	"	"	"	"	"
Sodium	11.4	0.0522	"	"	"	"	"	"

Calculated Analysis

Date Sampled: **07/28/23 09:50**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.700	0.00100		units	1	BGH0076	08/02/23	08/02/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **07/28/23 09:50**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	95.8			%	1	BGG0991	07/31/23	07/31/23	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **07/28/23 09:50**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.272	0.0100	0.00100	mmhos/cm	1	BGH0037	08/01/23	08/01/23	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **07/28/23 09:50**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.55			pH Units	1	BGH0038	08/01/23	08/01/23	EPA 9045D	

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Eagle Environmental Consulting
8000 W 44th Ave
Wheat Ridge CO, 80033

Project: Civitas - Regnier Farms 19H-B268

Project Number: [none]

Project Manager: Martin Eckert III

Reported:
08/07/23 09:28

EX-SS-04@4'
2307549-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/28/23 09:52**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Benzene	ND	0.0020	0.000098	mg/kg	1	BGG0983	07/28/23	07/28/23	EPA 8260B	
Toluene	ND	0.0050	0.00025	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	0.00021	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	0.00044	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	0.00024	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	0.00024	"	"	"	"	"	"	
Naphthalene	ND	0.0038	0.00036	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50		"	"	"	"	"	"	

Date Sampled: **07/28/23 09:52**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 1,2-Dichloroethane-d4		68.6 %		50-150		"	"	"	"	
Surrogate: Toluene-d8		80.5 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.0 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/28/23 09:52**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
C10-C28 (DRO)	16	50	4.3	mg/kg	1	BGG0982	07/28/23	07/28/23	EPA 8015M	J
C28-C36 (ORO)	ND	50	4.3	"	"	"	"	"	"	

Date Sampled: **07/28/23 09:52**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: o-Terphenyl		81.4 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Eagle Environmental Consulting
8000 W 44th Ave
Wheat Ridge CO, 80033

Project: Civitas - Regnier Farms 19H-B268

Project Number: [none]

Project Manager: Martin Eckert III

Reported:

08/07/23 09:28

EX-SS-04@4'
2307549-04 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **07/28/23 09:52**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Acenaphthene	ND	0.00500	0.000620	mg/kg	1	BGG0997	07/31/23	07/31/23	EPA 8270D SIM	
Anthracene	ND	0.00500	0.000308	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	0.000363	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	0.000234	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	0.000433	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	0.000423	"	"	"	"	"	"	
Chrysene	ND	0.00500	0.000237	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	0.00167	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	0.000373	"	"	"	"	"	"	
Fluorene	ND	0.00500	0.000477	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	0.00118	"	"	"	"	"	"	
Pyrene	ND	0.00500	0.000317	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	0.00185	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	0.00189	"	"	"	"	"	"	

Date Sampled: **07/28/23 09:52**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 2-Methylnaphthalene-d10		40.3 %		40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		42.8 %		40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **07/28/23 09:52**


Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Boron	0.226	0.0100	0.00690	mg/L	1	BGG1015	07/31/23	08/01/23	EPA 6020B	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **07/28/23 09:52**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							

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Eagle Environmental Consulting
8000 W 44th Ave
Wheat Ridge CO, 80033

Project: Civitas - Regnier Farms 19H-B268

Project Number: [none]

Project Manager: Martin Eckert III

Reported:
08/07/23 09:28

EX-SS-04@4'
2307549-04 (Soil)

Summit Scientific

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Calcium	132	0.0559	mg/L dry	1	BGG1009	07/31/23	08/01/23	EPA 6020B
Magnesium	85.8	0.0559	"	"	"	"	"	"
Sodium	67.8	0.0559	"	"	"	"	"	"

Calculated Analysis

Date Sampled: **07/28/23 09:52**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.13	0.00100		units	1	BGH0076	08/02/23	08/02/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **07/28/23 09:52**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	89.5			%	1	BGG0991	07/31/23	07/31/23	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **07/28/23 09:52**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	2.94	0.0100	0.00100	mmhos/cm	1	BGH0037	08/01/23	08/01/23	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **07/28/23 09:52**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.52			pH Units	1	BGH0038	08/01/23	08/01/23	EPA 9045D	

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Eagle Environmental Consulting
8000 W 44th Ave
Wheat Ridge CO, 80033

Project: Civitas - Regnier Farms 19H-B268
Project Number: [none]
Project Manager: Martin Eckert III

Reported:
08/07/23 09:28

EX-FS-01@5'
2307549-05 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/28/23 09:54**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Benzene	ND	0.0020	0.000098	mg/kg	1	BGG0983	07/28/23	07/28/23	EPA 8260B	
Toluene	ND	0.0050	0.00025	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	0.00021	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	0.00044	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	0.00024	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	0.00024	"	"	"	"	"	"	
Naphthalene	ND	0.0038	0.00036	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50		"	"	"	"	"	"	

Date Sampled: **07/28/23 09:54**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 1,2-Dichloroethane-d4		68.0 %		50-150		"	"	"	"	
Surrogate: Toluene-d8		81.4 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.0 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/28/23 09:54**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
C10-C28 (DRO)	18	50	4.3	mg/kg	1	BGG0982	07/28/23	07/28/23	EPA 8015M	J
C28-C36 (ORO)	ND	50	4.3	"	"	"	"	"	"	

Date Sampled: **07/28/23 09:54**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: o-Terphenyl		78.6 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Eagle Environmental Consulting
8000 W 44th Ave
Wheat Ridge CO, 80033

Project: Civitas - Regnier Farms 19H-B268

Project Number: [none]

Project Manager: Martin Eckert III

Reported:
08/07/23 09:28

EX-FS-01@5'
2307549-05 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **07/28/23 09:54**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Acenaphthene	ND	0.00500	0.000620	mg/kg	1	BGG0997	07/31/23	07/31/23	EPA 8270D SIM	
Anthracene	ND	0.00500	0.000308	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	0.000363	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	0.000234	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	0.000433	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	0.000423	"	"	"	"	"	"	
Chrysene	ND	0.00500	0.000237	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	0.00167	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	0.000373	"	"	"	"	"	"	
Fluorene	ND	0.00500	0.000477	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	0.00118	"	"	"	"	"	"	
Pyrene	ND	0.00500	0.000317	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	0.00185	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	0.00189	"	"	"	"	"	"	

Date Sampled: **07/28/23 09:54**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 2-Methylnaphthalene-d10		66.0 %		40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		65.2 %		40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **07/28/23 09:54**


Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Boron	1.67	0.0100	0.00690	mg/L	1	BGG1015	07/31/23	08/01/23	EPA 6020B	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **07/28/23 09:54**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							

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Eagle Environmental Consulting
8000 W 44th Ave
Wheat Ridge CO, 80033

Project: Civitas - Regnier Farms 19H-B268

Project Number: [none]

Project Manager: Martin Eckert III

Reported:
08/07/23 09:28

EX-FS-01@5'
2307549-05 (Soil)

Summit Scientific

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Calcium	34.0	0.0609	mg/L dry	1	BGG1009	07/31/23	08/01/23	EPA 6020B
Magnesium	15.6	0.0609	"	"	"	"	"	"
Sodium	306	0.0609	"	"	"	"	"	"

Calculated Analysis

Date Sampled: **07/28/23 09:54**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	10.9	0.00100		units	1	BGH0076	08/02/23	08/02/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **07/28/23 09:54**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	82.1			%	1	BGG0991	07/31/23	07/31/23	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **07/28/23 09:54**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	2.10	0.0100	0.00100	mmhos/cm	1	BGH0037	08/01/23	08/01/23	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **07/28/23 09:54**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.81			pH Units	1	BGH0038	08/01/23	08/01/23	EPA 9045D	

Summit Scientific

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Eagle Environmental Consulting
8000 W 44th Ave
Wheat Ridge CO, 80033

Project: Civitas - Regnier Farms 19H-B268

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
08/07/23 09:28

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 BGG0983 - EPA 5030 Soil MS

Blank (BGG0983-BLK1)

Prepared: 07/28/23 Analyzed: 07/29/23

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	0.0274		"	0.0400		68.5	50-150			
Surrogate: Toluene-d8	0.0359		"	0.0400		89.8	50-150			
Surrogate: 4-Bromofluorobenzene	0.0369		"	0.0400		92.3	50-150			

LCS (BGG0983-BS1)

Prepared: 07/28/23 Analyzed: 07/29/23

Benzene	0.0979	0.0020	mg/kg	0.100		97.9	70-130			
Toluene	0.101	0.0050	"	0.100		101	70-130			
Ethylbenzene	0.120	0.0050	"	0.100		120	70-130			
m,p-Xylene	0.238	0.010	"	0.200		119	70-130			
o-Xylene	0.111	0.0050	"	0.100		111	70-130			
1,2,4-Trimethylbenzene	0.0913	0.0050	"	0.100		91.3	70-130			
1,3,5-Trimethylbenzene	0.0971	0.0050	"	0.100		97.1	70-130			
Naphthalene	0.114	0.0038	"	0.100		114	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0285		"	0.0400		71.2	50-150			
Surrogate: Toluene-d8	0.0340		"	0.0400		85.0	50-150			
Surrogate: 4-Bromofluorobenzene	0.0372		"	0.0400		92.9	50-150			

Matrix Spike (BGG0983-MS1)

Source: 2307549-01

Prepared: 07/28/23 Analyzed: 07/29/23

Benzene	0.0962	0.0020	mg/kg	0.100	ND	96.2	70-130			
Toluene	0.101	0.0050	"	0.100	ND	101	70-130			
Ethylbenzene	0.123	0.0050	"	0.100	ND	123	70-130			
m,p-Xylene	0.245	0.010	"	0.200	ND	123	70-130			
o-Xylene	0.114	0.0050	"	0.100	ND	114	70-130			
1,2,4-Trimethylbenzene	0.0966	0.0050	"	0.100	ND	96.6	70-130			
1,3,5-Trimethylbenzene	0.103	0.0050	"	0.100	ND	103	70-130			
Naphthalene	0.0993	0.0038	"	0.100	ND	99.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0269		"	0.0400		67.4	50-150			
Surrogate: Toluene-d8	0.0333		"	0.0400		83.2	50-150			
Surrogate: 4-Bromofluorobenzene	0.0384		"	0.0400		96.0	50-150			

Summit Scientific

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Eagle Environmental Consulting
8000 W 44th Ave
Wheat Ridge CO, 80033

Project: Civitas - Regnier Farms 19H-B268

Project Number: [none]

Project Manager: Martin Eckert III

Reported:

08/07/23 09:28

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 BGG0983 - EPA 5030 Soil MS

Matrix Spike Dup (BGG0983-MSD1)	Source: 2307549-01			Prepared: 07/28/23 Analyzed: 07/29/23						
Benzene	0.0981	0.0020	mg/kg	0.100	ND	98.1	70-130	1.95	30	
Toluene	0.102	0.0050	"	0.100	ND	102	70-130	1.12	30	
Ethylbenzene	0.119	0.0050	"	0.100	ND	119	70-130	3.29	30	
m,p-Xylene	0.241	0.010	"	0.200	ND	121	70-130	1.66	30	
o-Xylene	0.113	0.0050	"	0.100	ND	113	70-130	1.14	30	
1,2,4-Trimethylbenzene	0.0949	0.0050	"	0.100	ND	94.9	70-130	1.85	30	
1,3,5-Trimethylbenzene	0.101	0.0050	"	0.100	ND	101	70-130	1.89	30	
Naphthalene	0.102	0.0038	"	0.100	ND	102	70-130	3.07	30	
Surrogate: 1,2-Dichloroethane-d4	0.0272		"	0.0400		67.9	50-150			
Surrogate: Toluene-d8	0.0343		"	0.0400		85.7	50-150			
Surrogate: 4-Bromofluorobenzene	0.0369		"	0.0400		92.2	50-150			

Summit Scientific

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Eagle Environmental Consulting
8000 W 44th Ave
Wheat Ridge CO, 80033

Project: Civitas - Regnier Farms 19H-B268

Project Number: [none]

Project Manager: Martin Eckert III

Reported:

08/07/23 09:28

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 BGG0982 - EPA 3550A

Blank (BGG0982-BLK1)

Prepared: 07/28/23 Analyzed: 07/29/23

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

Surrogate: o-Terphenyl	10.8	"	12.5	86.8	30-150
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LCS (BGG0982-BS1)

Prepared: 07/28/23 Analyzed: 07/29/23

C10-C28 (DRO)	472	50	mg/kg	500	94.4	70-130
Surrogate: o-Terphenyl	8.06		"	12.5	64.5	30-150

Matrix Spike (BGG0982-MS1)

Source: 2307549-01

Prepared: 07/28/23 Analyzed: 07/29/23

C10-C28 (DRO)	472	50	mg/kg	500	14.5	91.6	70-130
Surrogate: o-Terphenyl	10.8		"	12.5		86.6	30-150

Matrix Spike Dup (BGG0982-MSD1)

Source: 2307549-01

Prepared: 07/28/23 Analyzed: 07/29/23

C10-C28 (DRO)	467	50	mg/kg	500	14.5	90.5	70-130	1.08	20
Surrogate: o-Terphenyl	8.71	"		12.5		69.7	30-150		

Summit Scientific

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Eagle Environmental Consulting
8000 W 44th Ave
Wheat Ridge CO, 80033

Project: Civitas - Regnier Farms 19H-B268

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
08/07/23 09:28

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BGG0997 - EPA 5030 Soil MS

Blank (BGG0997-BLK1)

Prepared & Analyzed: 07/31/23

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	0.0333		"	0.0333		99.8	40-150			
Surrogate: Fluoranthene-d10	0.0305		"	0.0333		91.4	40-150			

LCS (BGG0997-BS1)

Prepared & Analyzed: 07/31/23

Acenaphthene	0.0322	0.00500	mg/kg	0.0333		96.5	31-137			
Anthracene	0.0311	0.00500	"	0.0333		93.2	30-120			
Benzo (a) anthracene	0.0295	0.00500	"	0.0333		88.6	30-120			
Benzo (a) pyrene	0.0302	0.00500	"	0.0333		90.7	30-120			
Benzo (b) fluoranthene	0.0299	0.00500	"	0.0333		89.8	30-120			
Benzo (k) fluoranthene	0.0302	0.00500	"	0.0333		90.7	30-120			
Chrysene	0.0310	0.00500	"	0.0333		93.1	30-120			
Dibenz (a,h) anthracene	0.0277	0.00500	"	0.0333		83.2	30-120			
Fluoranthene	0.0311	0.00500	"	0.0333		93.2	30-120			
Fluorene	0.0321	0.00500	"	0.0333		96.3	30-120			
Indeno (1,2,3-cd) pyrene	0.0233	0.00500	"	0.0333		69.9	30-120			
Pyrene	0.0304	0.00500	"	0.0333		91.2	35-142			
1-Methylnaphthalene	0.0365	0.00500	"	0.0333		110	35-142			
2-Methylnaphthalene	0.0380	0.00500	"	0.0333		114	35-142			
Surrogate: 2-Methylnaphthalene-d10	0.0330		"	0.0333		98.9	40-150			
Surrogate: Fluoranthene-d10	0.0335		"	0.0333		100	40-150			

Summit Scientific

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Eagle Environmental Consulting
8000 W 44th Ave
Wheat Ridge CO, 80033

Project: Civitas - Regnier Farms 19H-B268

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
08/07/23 09:28

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 BGG0997 - EPA 5030 Soil MS

Matrix Spike (BGG0997-MS1)

Source: 2307549-01

Prepared & Analyzed: 07/31/23

Acenaphthene	0.0235	0.00500	mg/kg	0.0333	ND	70.6	31-137				
Anthracene	0.0228	0.00500	"	0.0333	ND	68.3	30-120				
Benzo (a) anthracene	0.0222	0.00500	"	0.0333	ND	66.7	30-120				
Benzo (a) pyrene	0.0220	0.00500	"	0.0333	ND	65.9	30-120				
Benzo (b) fluoranthene	0.0222	0.00500	"	0.0333	ND	66.5	30-120				
Benzo (k) fluoranthene	0.0217	0.00500	"	0.0333	ND	65.2	30-120				
Chrysene	0.0229	0.00500	"	0.0333	ND	68.7	30-120				
Dibenz (a,h) anthracene	0.0199	0.00500	"	0.0333	ND	59.7	30-120				
Fluoranthene	0.0233	0.00500	"	0.0333	ND	70.0	30-120				
Fluorene	0.0238	0.00500	"	0.0333	ND	71.4	30-120				
Indeno (1,2,3-cd) pyrene	0.0175	0.00500	"	0.0333	ND	52.6	30-120				
Pyrene	0.0220	0.00500	"	0.0333	ND	66.1	35-142				
1-Methylnaphthalene	0.0258	0.00500	"	0.0333	ND	77.3	15-130				
2-Methylnaphthalene	0.0255	0.00500	"	0.0333	ND	76.5	15-130				
Surrogate: 2-Methylnaphthalene-d10	0.0233		"	0.0333		69.8	40-150				
Surrogate: Fluoranthene-d10	0.0249		"	0.0333		74.8	40-150				

Matrix Spike Dup (BGG0997-MSD1)

Source: 2307549-01

Prepared & Analyzed: 07/31/23

Acenaphthene	0.0202	0.00500	mg/kg	0.0333	ND	60.6	31-137	15.3	30
Anthracene	0.0195	0.00500	"	0.0333	ND	58.5	30-120	15.4	30
Benzo (a) anthracene	0.0196	0.00500	"	0.0333	ND	58.8	30-120	12.6	30
Benzo (a) pyrene	0.0190	0.00500	"	0.0333	ND	57.1	30-120	14.2	30
Benzo (b) fluoranthene	0.0187	0.00500	"	0.0333	ND	56.2	30-120	16.8	30
Benzo (k) fluoranthene	0.0185	0.00500	"	0.0333	ND	55.6	30-120	16.0	30
Chrysene	0.0197	0.00500	"	0.0333	ND	59.0	30-120	15.1	30
Dibenz (a,h) anthracene	0.0173	0.00500	"	0.0333	ND	51.9	30-120	14.0	30
Fluoranthene	0.0203	0.00500	"	0.0333	ND	61.0	30-120	13.7	30
Fluorene	0.0203	0.00500	"	0.0333	ND	60.8	30-120	15.9	30
Indeno (1,2,3-cd) pyrene	0.0143	0.00500	"	0.0333	ND	43.0	30-120	20.1	30
Pyrene	0.0189	0.00500	"	0.0333	ND	56.8	35-142	15.2	30
1-Methylnaphthalene	0.0177	0.00500	"	0.0333	ND	53.0	15-130	37.2	50
2-Methylnaphthalene	0.0207	0.00500	"	0.0333	ND	62.2	15-130	20.6	50
Surrogate: 2-Methylnaphthalene-d10	0.0185		"	0.0333		55.4	40-150		
Surrogate: Fluoranthene-d10	0.0214		"	0.0333		64.3	40-150		

Summit Scientific

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Eagle Environmental Consulting
8000 W 44th Ave
Wheat Ridge CO, 80033

Project: Civitas - Regnier Farms 19H-B268

Project Number: [none]

Project Manager: Martin Eckert III

Reported:

08/07/23 09:28

Total Metals by EPA 6020B Hot Water Soluble Extraction - Quality Control

Summit Scientific

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

Batch BGG1015 - EPA 3050B

Blank (BGG1015-BLK1)

Prepared: 07/31/23 Analyzed: 08/01/23

Boron	0.00992	0.0100	mg/L							J
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LCS (BGG1015-BS1)

Prepared: 07/31/23 Analyzed: 08/01/23

Boron	5.87	0.0100	mg/L	5.00		117	80-120			
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Duplicate (BGG1015-DUP1)

Source: 2307501-01

Prepared: 07/31/23 Analyzed: 08/01/23

Boron	0.0586	0.0100	mg/L		0.0908			43.1	20	QR-04
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Matrix Spike (BGG1015-MS1)

Source: 2307501-01

Prepared: 07/31/23 Analyzed: 08/01/23

Boron	6.15	0.0100	mg/L	5.00	0.0908	121	75-125			
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Matrix Spike Dup (BGG1015-MSD1)

Source: 2307501-01

Prepared: 07/31/23 Analyzed: 08/01/23

Boron	6.15	0.0100	mg/L	5.00	0.0908	121	75-125	0.0734	25	
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Summit Scientific

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Eagle Environmental Consulting
8000 W 44th Ave
Wheat Ridge CO, 80033

Project: Civitas - Regnier Farms 19H-B268

Project Number: [none]

Project Manager: Martin Eckert III

Reported:

08/07/23 09:28

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction - Quality Control

Summit Scientific

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

Batch BGG1009 - General Preparation

Blank (BGG1009-BLK1)

Prepared: 07/31/23 Analyzed: 08/01/23

Calcium	0.00144	0.0500	mg/L wet							J
Magnesium	0.0117	0.0500	"							J
Sodium	0.00570	0.0500	"							J

LCS (BGG1009-BS1)

Prepared: 07/31/23 Analyzed: 08/01/23

Calcium	4.74	0.0500	mg/L wet	5.00	94.8	70-130
Magnesium	5.47	0.0500	"	5.00	109	70-130
Sodium	5.40	0.0500	"	5.00	108	70-130

Summit Scientific

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8000 W 44th Ave
Wheat Ridge CO, 80033

Project: Civitas - Regnier Farms 19H-B268

Project Number: [none]

Project Manager: Martin Eckert III

Reported:

08/07/23 09:28

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

Summit Scientific

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

Batch BGG0991 - General Preparation

Duplicate (BGG0991-DUP1)

Source: 2307549-01

Prepared & Analyzed: 07/31/23

% Solids	94.9	%	94.8	0.0516	20
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Summit Scientific

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Eagle Environmental Consulting
8000 W 44th Ave
Wheat Ridge CO, 80033

Project: Civitas - Regnier Farms 19H-B268

Project Number: [none]

Project Manager: Martin Eckert III

Reported:

08/07/23 09:28

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction - Quality Control

Summit Scientific

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

Batch BGH0037 - General Preparation

Blank (BGH0037-BLK1)

Prepared & Analyzed: 08/01/23

Specific Conductance (EC)	0.00149	0.0100	mmhos/cm								J
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LCS (BGH0037-BS1)

Prepared & Analyzed: 08/01/23

Specific Conductance (EC)	0.156	0.0100	mmhos/cm	0.150	104	95-105					
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Duplicate (BGH0037-DUP1)

Source: 2307549-01

Prepared & Analyzed: 08/01/23

Specific Conductance (EC)	3.43	0.0100	mmhos/cm		3.47			1.30	20		
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Summit Scientific

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Eagle Environmental Consulting
8000 W 44th Ave
Wheat Ridge CO, 80033

Project: Civitas - Regnier Farms 19H-B268

Project Number: [none]

Project Manager: Martin Eckert III

Reported:

08/07/23 09:28

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction - Quality Control

Summit Scientific

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

Batch BGH0038 - General Preparation

LCS (BGH0038-BS1)

Prepared & Analyzed: 08/01/23

pH	9.35	pH Units	9.18	102	95-105
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Duplicate (BGH0038-DUP1)

Source: 2307549-01

Prepared & Analyzed: 08/01/23

pH	7.88	pH Units	7.84	0.509	20
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Summit Scientific

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Eagle Environmental Consulting
8000 W 44th Ave
Wheat Ridge CO, 80033

Project: Civitas - Regnier Farms 19H-B268

Project Number: [none]
Project Manager: Martin Eckert III

Reported:
08/07/23 09:28

Notes and Definitions

QR-04	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration
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