



## **FIGURES**

**Figure 1: Topographic Site Location Map**

**Figure 2: Aerial Site Location Map**

**Figure 3: Hand Auger Soil Analytical Map**

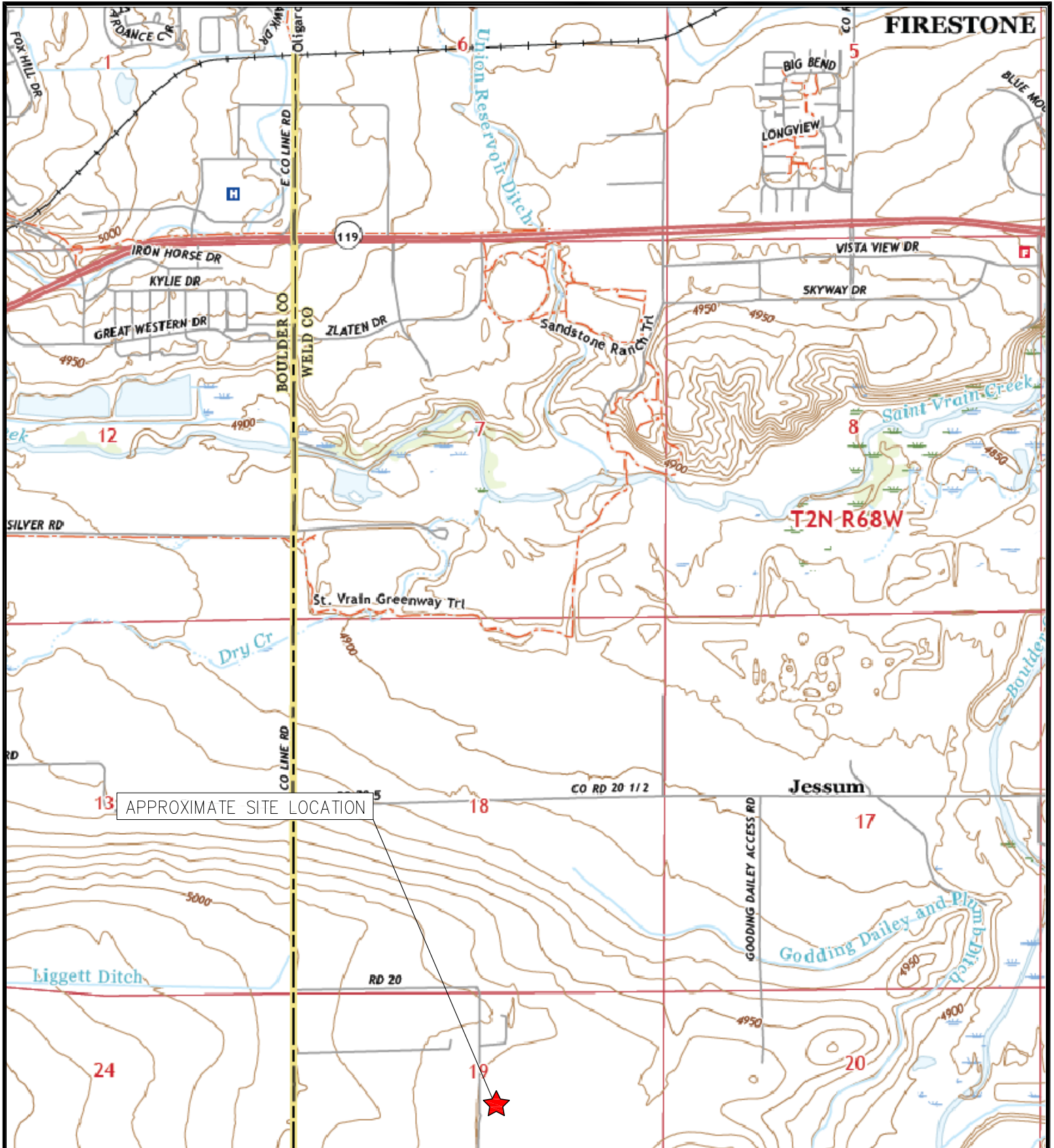
**Figure 4: Initial Excavation Soil Analytical Map**

**Figure 5: Over-Excavation Soil Analytical Map (08/11/23)**

**Figure 6: Over-Excavation Soil Analytical Map (08/23/23)**

**Figure 7: Over-Excavation Soil Analytical Map (09/06/23)**

**Figure 8: Confirmation Soil Analytical Map**



TOPOGRAPHIC SITE LOCATION MAP  
 REGNIER FARMS 19H-B268  
 PRODUCED WATER RELEASE  
 40.126691 / -105.045103  
 SW¼ NE¼ SEC.19 T2N R68W 6PM  
 WELD COUNTY, COLORADO  
 LOCATION ID ID 451044  
 SPILL ID 484825



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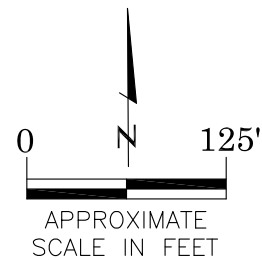
SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP  
 LONGMONT, CO QUADRANGLE 2022

FIGURE 1



# LEGEND

- REGNIER FARMS 19H-B268 SEPARATOR CONTAINMENT AREA
- APPROXIMATE RELEASE LOCATION



AERIAL SITE LOCATION MAP  
 REGNIER FARMS 19H-B268  
 PRODUCED WATER RELEASE  
 40.126691 / -105.045103  
 SW¼ NE¼ SEC.19 T2N R68W 6PM  
 WELD COUNTY, COLORADO  
 LOCATION ID 451044  
 SPILL ID 484825

DATE: 07/27/23

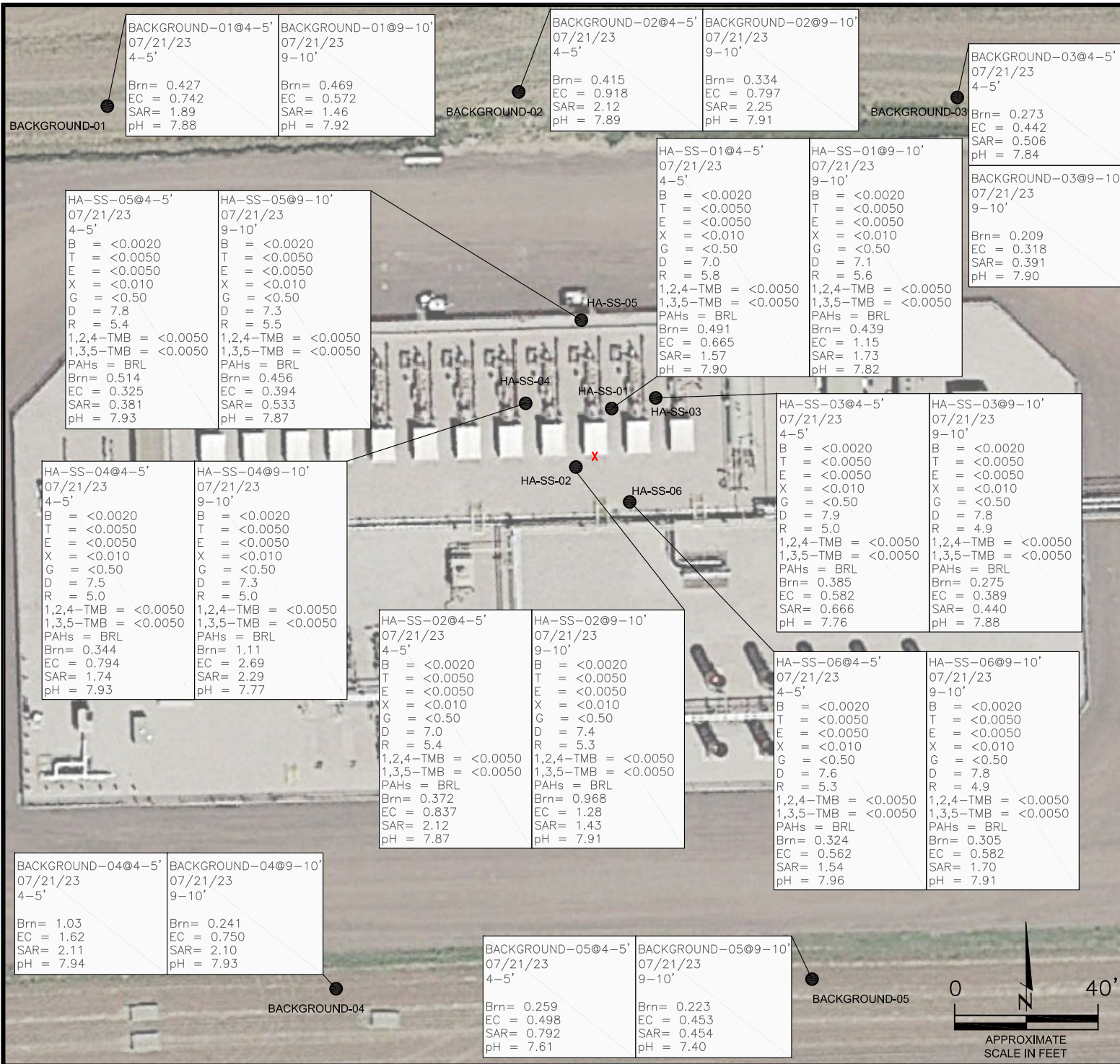
FIG. NO.  
2

DRAWN BY:  
TC



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**LEGEND**

**X** APPROXIMATE RELEASE LOCATION

**●** APPROXIMATE LOCATION OF SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

**SS-02**

**PARAMETERS**

**SAMPLE LOCATION**

**DATE**

**DEPTH (FEET)**

B = BENZENE (mg/kg)

T = TOLUENE (mg/kg)

E = ETHYLBENZENE (mg/kg)

X = TOTAL XYLENES (mg/kg)

G = TPH-GRO (mg/kg)

D = TPH-DRO (mg/kg)

R = TPH-RRO (mg/kg)

1,2,4-TMB = 1,2,4 TRIMETHYLBENZENE (mg/kg)

1,3,5-TMB = 1,3,5 TRIMETHYLBENZENE (mg/kg)

POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) (mg/kg)

Brn= BORON (mg/L)

EC = SPECIFIC CONDUCTANCE (mmhos/cm)

SAR= SODIUM ADSORPTION RATIO

pH = pH (pH UNITS)

mg/kg = MILLIGRAMS PER KILOGRAM

mg/L = MILLIGRAMS PER LITER

mmhos/cm = MILLIMHOS PER CENTIMETER

BRL - ALL CONCENTRATIONS BELOW REGULATORY LIMITS

TPH-GRO = TOTAL PETROLEUM HYDROCARBONS - GASOLINE RANGE ORGANICS

TPH-DRO = TOTAL PETROLEUM HYDROCARBONS - DIESEL RANGE ORGANICS

TPH-RRO = TOTAL PETROLEUM HYDROCARBONS - RESIDUAL RANGE ORGANICS

NOTES:

VALUES PRESENTED WITH A LESS THAN SYMBOL (<) DID NOT CONTAIN CONCENTRATIONS AT OR ABOVE LABORATORY DETECTION LIMITS

VALUES PRESENTED IN **BOLD** EXCEED ECMC TABLE 915-1 REGULATORY LIMITS

ECMC = ENERGY & CARBON MANAGEMENT COMMISSION

**HAND AUGER SOIL ANALYTICAL MAP**

REGNIER FARMS 19H-B268

PRODUCED WATER RELEASE

40.126691 / -105.045103

SW¼ NE¼ SEC.19 T2N R68W 6PM

WELD COUNTY, COLORADO

LOCATION ID 451044

SPILL ID 484825

DATE: 07/31/23

DRAWN BY: AMN

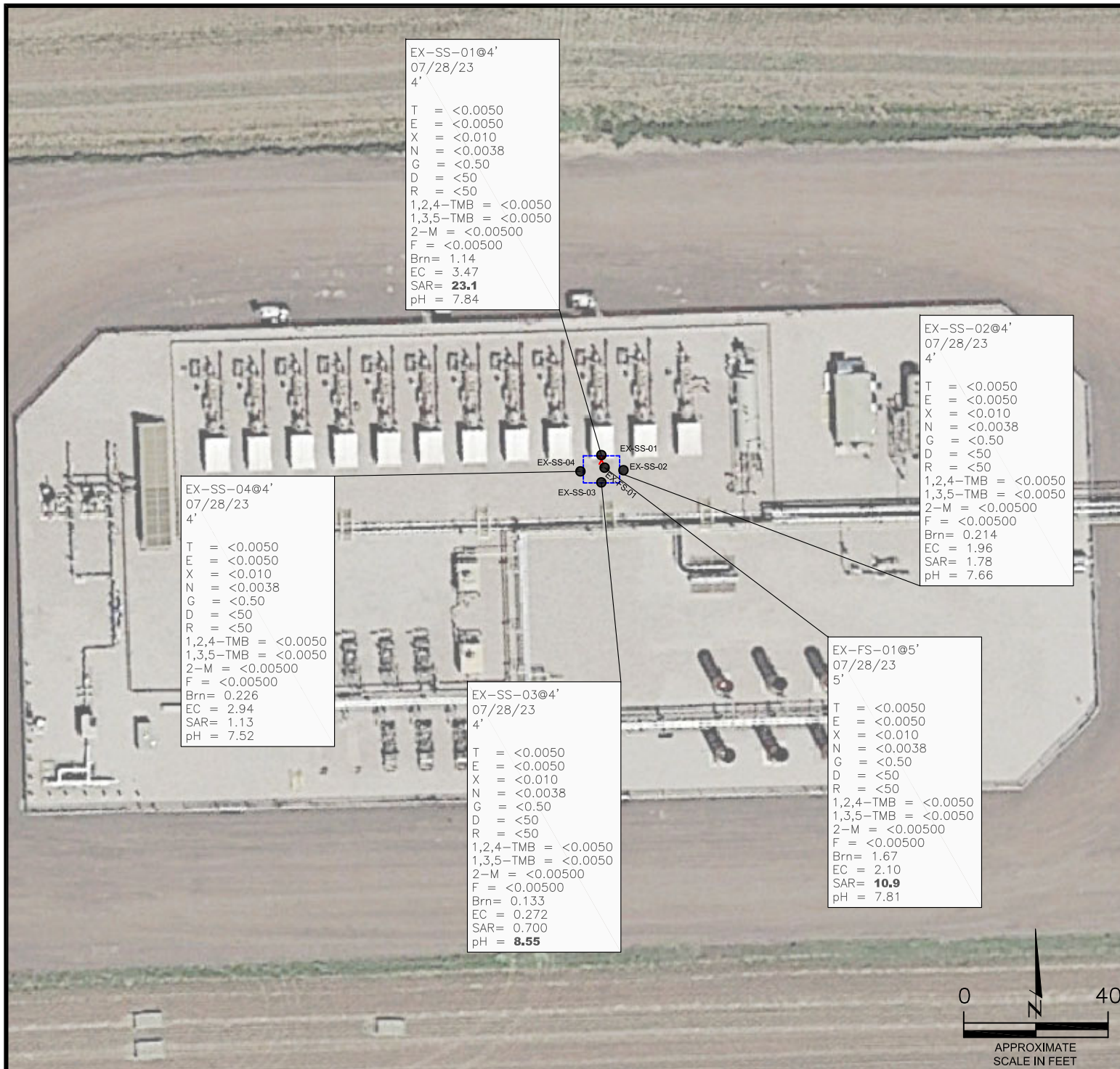
FIG. NO. 3

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**LEGEND**

X APPROXIMATE RELEASE LOCATION

--- INITIAL EXCAVATION BOUNDARIES

● APPROXIMATE LOCATION OF SOIL SAMPLES  
SUBMITTED FOR LABORATORY ANALYSIS

**PARAMETERS**

**SAMPLE LOCATION**

DATE

DEPTH (FEET)

T = TOLUENE (mg/kg)

E = ETHYLBENZENE (mg/kg)

X = TOTAL XYLENES (mg/kg)

N = NAPHTHALENE (mg/kg)

G = TPH-GRO (mg/kg)

D = TPH-DRO (mg/kg)

R = TPH-RRO (mg/kg)

1,2,4-TMB = 1,2,4 TRIMETHYLBENZENE (mg/kg)

1,3,5-TMB = 1,3,5 TRIMETHYLBENZENE (mg/kg)

2-M = 2-METHYLNAPHTHALENE (mg/kg)

F = FLOURENE (mg/kg)

Brn= BORON (mg/L)

EC = SPECIFIC CONDUCTANCE (mmhos/cm)

SAR= SODIUM ADSORPTION RATIO

pH = pH (pH UNITS)

mg/kg = MILLIGRAMS PER KILOGRAM

mg/L = MILLIGRAMS PER LITER

mmhos/cm = MILLIMHOS PER CENTIMETER

TPH-GRO = TOTAL PETROLEUM HYDROCARBONS – GASOLINE RANGE ORGANICS

TPH-DRO = TOTAL PETROLEUM HYDROCARBONS – DIESEL RANGE ORGANICS

TPH-RRO = TOTAL PETROLEUM HYDROCARBONS – RESIDUAL RANGE ORGANICS

NOTES:

VALUES PRESENTED WITH A LESS THAN SYMBOL (<) DID NOT CONTAIN CONCENTRATIONS AT OR ABOVE LABORATORY DETECTION LIMITS

VALUES PRESENTED IN **BOLD** EXCEED ECMC TABLE 915-1 REGULATORY LIMITS.

ECMC = ENERGY & CARBON MANAGEMENT COMMISSION

**INITIAL EXCAVATION SOIL ANALYTICAL MAP**

REGNIER FARMS 19H-B268

PRODUCED WATER RELEASE

40.126691 / -105.045103

SW¼ NE¼ SEC.19 T2N R68W 6PM

WELD COUNTY, COLORADO

LOCATION ID 451044

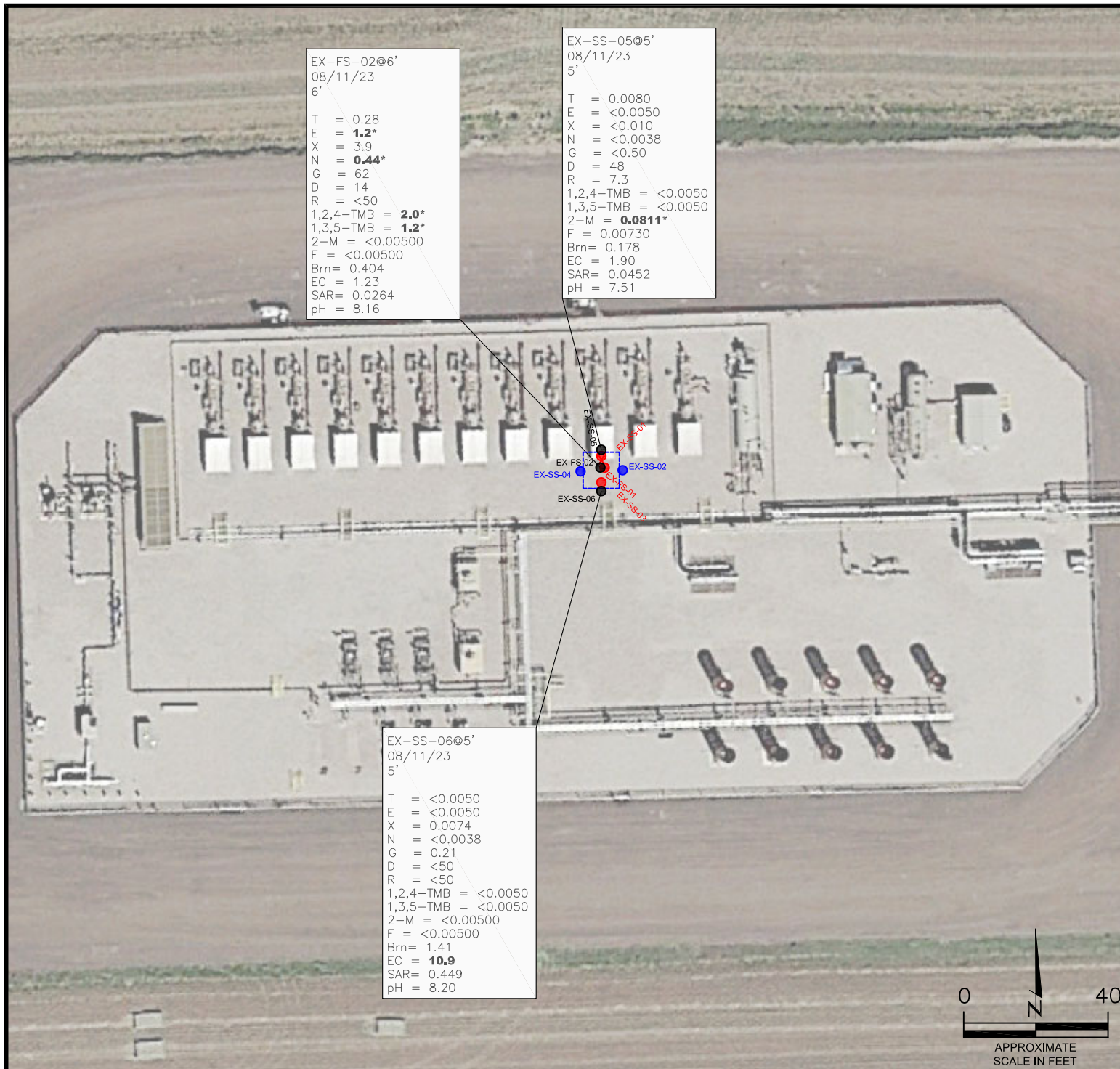
SPILL ID 484825

DATE:	09/11/23
DRAWN BY:	AMN
FIG. NO.	4

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- LEGEND**
- X APPROXIMATE RELEASE LOCATION
  - APPROXIMATE EXCAVATION BOUNDARIES (AS OF 8.11.23)
  - PREVIOUS SOIL SAMPLE LOCATIONS EXCEEDING REGULATORY LIMITS
  - PREVIOUS SOIL SAMPLE LOCATIONS IN COMPLIANCE WITH REGULATORY LIMITS
  - APPROXIMATE LOCATION OF SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

**PARAMETERS**

**SAMPLE LOCATION**  
DATE  
DEPTH (FEET)  
T = TOLUENE (mg/kg)  
E = ETHYLBENZENE (mg/kg)  
X = TOTAL XYLENES (mg/kg)  
N = NAPHTHALENE (mg/kg)  
G = TPH-GRO (mg/kg)  
D = TPH-DRO (mg/kg)  
R = TPH-RRO (mg/kg)  
1,2,4-TMB = 1,2,4 TRIMETHYLBENZENE (mg/kg)  
1,3,5-TMB = 1,3,5 TRIMETHYLBENZENE (mg/kg)  
2-M = 2-METHYLNAPHTHALENE (mg/kg)  
F = FLOURENE (mg/kg)  
Brn = BORON (mg/L)  
EC = SPECIFIC CONDUCTANCE (mmhos/cm)  
SAR = SODIUM ADSORPTION RATIO  
pH = pH (pH UNITS)

mg/kg = MILLIGRAMS PER KILOGRAM  
mg/L = MILLIGRAMS PER LITER  
mmhos/cm = MILLIMHOS PER CENTIMETER

TPH-GRO = TOTAL PETROLEUM HYDROCARBONS - GASOLINE RANGE ORGANICS  
TPH-DRO = TOTAL PETROLEUM HYDROCARBONS - DIESEL RANGE ORGANICS  
TPH-RRO = TOTAL PETROLEUM HYDROCARBONS - RESIDUAL RANGE ORGANICS

**NOTES:**  
VALUES PRESENTED WITH A LESS THAN SYMBOL (<) DID NOT CONTAIN CONCENTRATIONS AT OR ABOVE LABORATORY DETECTION LIMITS

VALUES PRESENTED IN **BOLD** EXCEED ECMC TABLE 915-1 REGULATORY LIMITS. VALUES PRESENTED WITH ASTERISK (\*) EXCEED ECMC TABLE 915-1 PROTECTION OF GROUNDWATER SOIL SCREENING LEVELS.

ECMC = ENERGY & CARBON MANAGEMENT COMMISSION

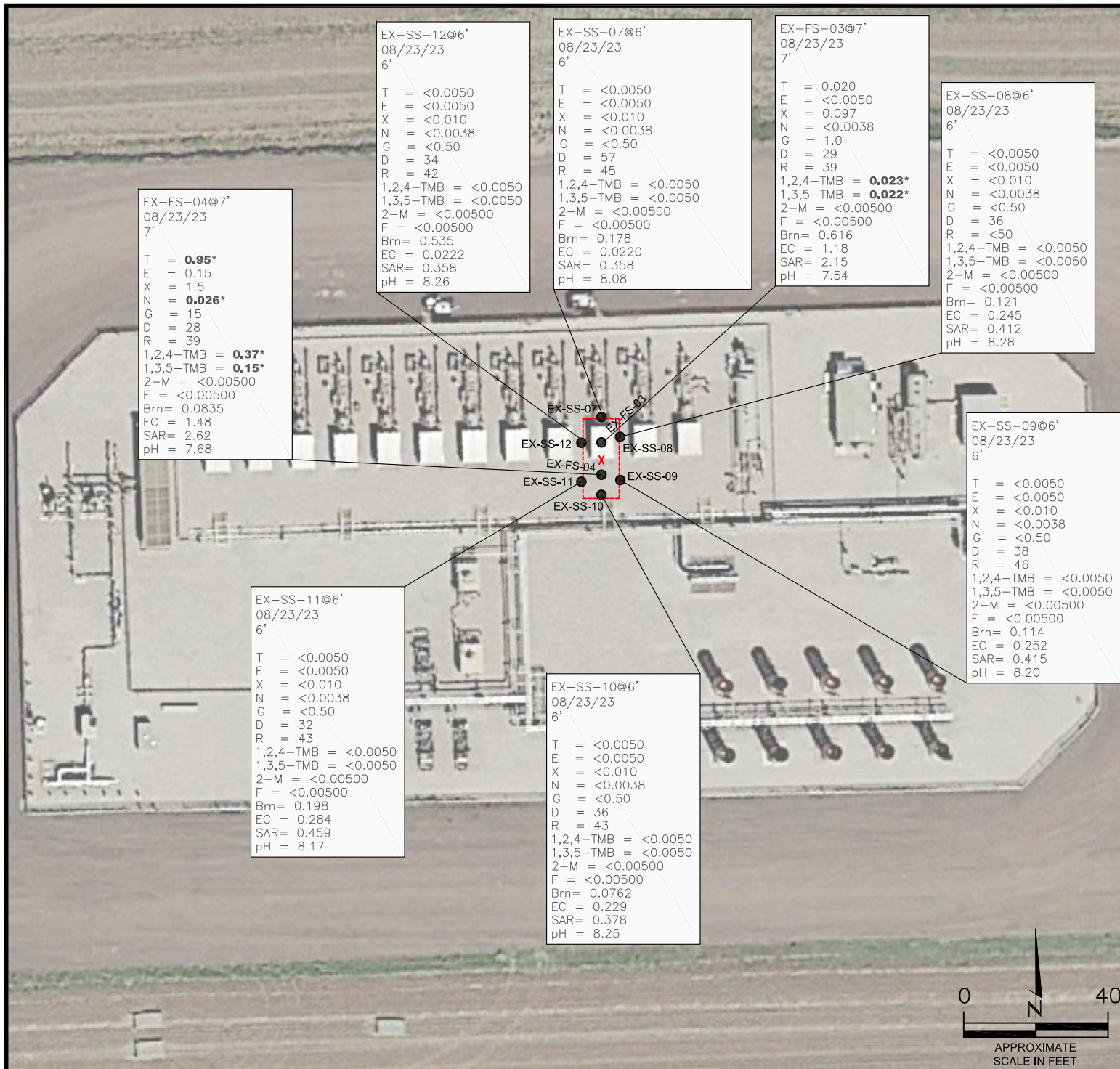
**OVER-EXCAVATION SOIL ANALYTICAL MAP**

(08/11/23)  
REGNIER FARMS 19H-B268  
PRODUCED WATER RELEASE  
40.126691 / -105.045103  
SW¼ NE¼ SEC.19 T2N R68W 6PM  
WELD COUNTY, COLORADO  
LOCATION ID 451044  
SPILL ID 484825

DATE:  
09/11/23  
DRAWN BY:  
AMN  
FIG.  
NO. 5



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- LEGEND**
- X** APPROXIMATE RELEASE LOCATION
- APPROXIMATE OVER-EXCAVATION BOUNDARIES (AS OF 08.23.23)
- APPROXIMATE LOCATION OF SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS
- SS-02**

**PARAMETERS**

**SAMPLE LOCATION**

**DATE**

**DEPTH (FEET)**

T = TOLUENE (mg/kg)

E = ETHYLBENZENE (mg/kg)

X = TOTAL XYLENES (mg/kg)

N = NAPHTHALENE (mg/kg)

G = TPH-GRO (mg/kg)

D = TPH-DRO (mg/kg)

R = TPH-RRO (mg/kg)

1,2,4-TMB = 1,2,4 TRIMETHYLBENZENE (mg/kg)

1,3,5-TMB = 1,3,5 TRIMETHYLBENZENE (mg/kg)

2-M = 2-METHYLNAPHTHALENE (mg/kg)

F = FLOURENE (mg/kg)

Brn= BORON (mg/L)

EC = SPECIFIC CONDUCTANCE (mmhos/cm)

SAR= SODIUM ADSORPTION RATIO

pH = pH (pH UNITS)

mg/kg = MILLIGRAMS PER KILOGRAM

mg/L = MILLIGRAMS PER LITER

mmhos/cm = MILLIMHOS PER CENTIMETER

TPH-GRO = TOTAL PETROLEUM HYDROCARBONS – GASOLINE RANGE ORGANICS

TPH-DRO = TOTAL PETROLEUM HYDROCARBONS – DIESEL RANGE ORGANICS

TPH-RRO = TOTAL PETROLEUM HYDROCARBONS – RESIDUAL RANGE ORGANICS

**NOTES:**

VALUES PRESENTED WITH A LESS THAN SYMBOL (<) DID NOT CONTAIN CONCENTRATIONS AT OR ABOVE LABORATORY DETECTION LIMITS

VALUES PRESENTED IN **BOLD** EXCEED ECMC TABLE 915-1 REGULATORY LIMITS. VALUES PRESENTED WITH ASTERISK (\*) EXCEED ECMC TABLE 915-1 PROTECTION OF GROUNDWATER SOIL SCREENING LEVELS, ONLY.

ECMC = ENERGY & CARBON MANAGEMENT COMMISSION

**OVER-EXCAVATION SOIL ANALYTICAL MAP**

(08/23/23)

REGNIER FARMS 19H-B268

PRODUCED WATER RELEASE

40.126691 / -105.045103

SW¼ NE¼ SEC.19 T2N R68W 6PM

WELD COUNTY, COLORADO

LOCATION ID 451044

SPILL ID 484825

DATE:  
09/11/23

DRAWN BY:  
AMN

FIG.  
NO. 6



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EX-FS-05@8'  
09/06/23  
8'

T = 0.015  
E = <0.0050  
X = 0.079  
N = <0.0038  
G = 1.2  
D = 14  
R = 5.0  
1,2,4-TMB = 0.0077  
1,3,5-TMB = 0.0055  
2-M = <0.00500  
F = <0.00500  
Brn = 0.700  
EC = 1.33  
SAR = 1.92  
pH = 7.71

EX-SS-07  
EX-FS-05  
EX-SS-12  
EX-FS-04  
EX-SS-11  
EX-SS-10  
EX-FS-06  
EX-SS-08  
EX-SS-09

EX-FS-06@8'  
09/06/23  
8'

T = <0.0050  
E = <0.0050  
X = <0.010  
N = <0.0038  
G = <0.50  
D = 14  
R = 5.0  
1,2,4-TMB = <0.0050  
1,3,5-TMB = <0.0050  
2-M = <0.00500  
F = <0.00500  
Brn = 0.968  
EC = 2.26  
SAR = 2.41  
pH = 7.58

#### LEGEND

- X APPROXIMATE RELEASE LOCATION
- APPROXIMATE OVER-EXCAVATION BOUNDARIES
- PREVIOUS SOIL SAMPLE LOCATIONS EXCEEDING REGULATORY LIMITS
- SS-02 PREVIOUS SOIL SAMPLE LOCATIONS IN COMPLIANCE WITH REGULATORY LIMITS
- APPROXIMATE LOCATION OF SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

#### PARAMETERS

SAMPLE LOCATION  
DATE  
DEPTH (FEET)

T = TOLUENE (mg/kg)  
E = ETHYLBENZENE (mg/kg)  
X = TOTAL XYLENES (mg/kg)  
N = NAPHTHALENE (mg/kg)  
G = TPH-GRO (mg/kg)  
D = TPH-DRO (mg/kg)  
R = TPH-RRO (mg/kg)  
1,2,4-TMB = 1,2,4 TRIMETHYLBENZENE (mg/kg)  
1,3,5-TMB = 1,3,5 TRIMETHYLBENZENE (mg/kg)  
2-M = 2-METHYLNAPHTHALENE (mg/kg)  
F = FLOURENE (mg/kg)  
Brn = BORON (mg/L)  
EC = SPECIFIC CONDUCTANCE (mmhos/cm)  
SAR = SODIUM ADSORPTION RATIO  
pH = pH (pH UNITS)

mg/kg = MILLIGRAMS PER KILOGRAM  
mg/L = MILLIGRAMS PER LITER  
mmhos/cm = MILLIMHOS PER CENTIMETER

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ECMC = ENERGY & CARBON MANAGEMENT COMMISSION

#### OVER-EXCAVATION SOIL ANALYTICAL MAP

(09/06/23)  
REGNIER FARMS 19H-B268  
PRODUCED WATER RELEASE  
40.126691 / -105.045103  
SW¼ NE¼ SEC.19 T2N R68W 6PM  
WELD COUNTY, COLORADO  
LOCATION ID ID 451044  
SPILL ID 484825

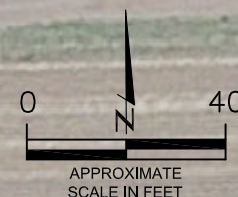
DATE:  
09/18/23

DRAWN BY:  
AMN

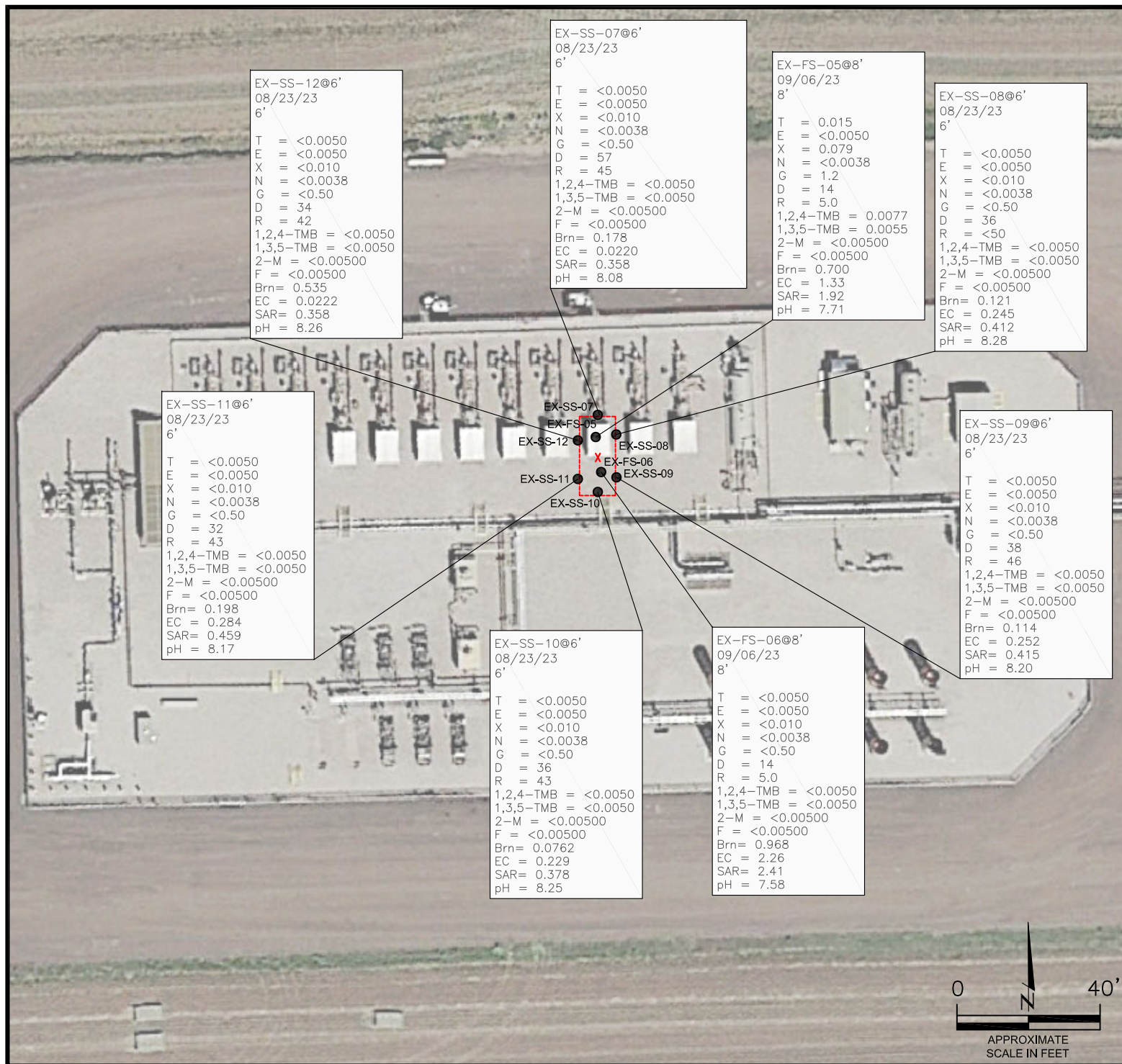
FIG.  
NO. 7



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APPROXIMATE  
SCALE IN FEET



**LEGEND**

**X** APPROXIMATE RELEASE LOCATION

**-----** APPROXIMATE OVER-EXCAVATION BOUNDARIES

**SS-02** APPROXIMATE LOCATION OF CONFIRMATION SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

**PARAMETERS**

**SAMPLE LOCATION**

**DATE**

**DEPTH (FEET)**

T = TOLUENE (mg/kg)  
E = ETHYLBENZENE (mg/kg)  
X = TOTAL XYLENES (mg/kg)  
N = NAPHTHALENE (mg/kg)  
G = TPH-GRO (mg/kg)  
D = TPH-DRO (mg/kg)  
R = TPH-RRO (mg/kg)  
1,2,4-TMB = 1,2,4 TRIMETHYLBENZENE (mg/kg)  
1,3,5-TMB = 1,3,5 TRIMETHYLBENZENE (mg/kg)  
2-M = 2-METHYLNAPHTHALENE (mg/kg)  
F = FLOURENE (mg/kg)  
Brn= BORON (mg/L)  
EC = SPECIFIC CONDUCTANCE (mmhos/cm)  
SAR= SODIUM ADSORPTION RATIO  
pH = pH (pH UNITS)

mg/kg = MILLIGRAMS PER KILOGRAM  
mg/L = MILLIGRAMS PER LITER  
mmhos/cm = MILLIMHOS PER CENTIMETER

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TPH-DRO = TOTAL PETROLEUM HYDROCARBONS - DIESEL RANGE ORGANICS  
TPH-RRO = TOTAL PETROLEUM HYDROCARBONS - RESIDUAL RANGE ORGANICS

**NOTES:**  
VALUES PRESENTED WITH A LESS THAN SYMBOL (<) DID NOT CONTAIN CONCENTRATIONS AT OR ABOVE LABORATORY DETECTION LIMITS

VALUES PRESENTED IN **BOLD** EXCEED ECMC TABLE 915-1 REGULATORY LIMITS.

ECMC = ENERGY & CARBON MANAGEMENT COMMISSION

**CONFIRMATION SOIL ANALYTICAL MAP**  
REGNIER FARMS 19H-B268  
PRODUCED WATER RELEASE  
40.126691 / -105.045103  
SW¼ NE¼ SEC.19 T2N R68W 6PM  
WELD COUNTY, COLORADO  
LOCATION ID 451044  
SPILL ID 484825

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Ph: 303-433-0479 • F: 303-325-5449

**DATE:** 09/18/23  
**DRAWN BY:** AMN  
**FIG. NO.** 8





## **TABLES**

**Table 1: Photoionization Detector Reading Summary**

**Table 2: Soil Analytical Results Summary**

**Table 3: Polycyclic Aromatic Hydrocarbons Analytical Results Summary**



**TABLE 1**  
**PHOTOIONIZATION DETECTOR READING SUMMARY**  
**REGNIER FARMS 19H-B268**  
**RELEASE ASSESSMENT**  
**40.126691 / -105.045103**  
**SW¼ NE¼ SEC.19 T2N R68W 6PM**  
**WELD COUNTY, COLORADO**  
**LOCATION ID 451044**  
**SPILL ID 484825**

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	PID Reading (ppm-v)	Lab Submission (Y/N)	Notes:
HA-SS-01 @ 4-5' (40.126724 / -105.045087)	07/21/23	4-5	0.9	Y	Samples collected via handauger for "delineation" purposes
HA-SS-01 @ 9-10' (40.126724 / -105.045087)	07/21/23	9-10	0.4	Y	
HA-SS-02 @ 4-5' (40.126676 / -105.045116)	07/21/23	4-5	1.2	Y	
HA-SS-02 @ 9-10' (40.126676 / -105.045116)	07/21/23	9-10	0.3	Y	
HA-SS-03 @ 4-5' (40.126727 / -105.045044)	07/21/23	4-5	1.1	Y	
HA-SS-03 @ 9-10' (40.126727 / -105.045044)	07/21/23	9-10	0.4	Y	
HA-SS-04 @ 4-5' (40.126723 / -105.045174)	07/21/23	4-5	2.3	Y	
HA-SS-04 @ 9-10' (40.126723 / -105.045174)	07/21/23	9-10	0.7	Y	
HA-SS-05 @ 4-5' (40.126793 / -105.045112)	07/21/23	4-5	1.4	Y	
HA-SS-05 @ 9-10' (40.126793 / -105.045112)	07/21/23	9-10	0.5	Y	
HA-SS-06 @ 4-5' (40.126651 / -105.045072)	07/21/23	4-5	1.2	Y	
HA-SS-06 @ 9-10' (40.126651 / -105.045072)	07/21/23	9-10	0.6	Y	

**TABLE 1**  
**PHOTOIONIZATION DETECTOR READING SUMMARY**  
**REGNIER FARMS 19H-B268**  
**RELEASE ASSESSMENT**  
**40.126691 / -105.045103**  
**SW¼ NE¼ SEC.19 T2N R68W 6PM**  
**WELD COUNTY, COLORADO**  
**LOCATION ID 451044**  
**SPILL ID 484825**

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	PID Reading (ppm-v)	Lab Submission (Y/N)	Notes:
Background-01 @ 4-5' (40.126957 / -105.045579)	07/21/23	4-5	1.3	Y	Background comparison samples
Background-01 @ 9-10' (40.126957 / -105.045579)	07/21/23	9-10	0.4	Y	
Background-02 @ 4-5' (40.126958 / -105.045183)	07/21/23	4-5	1.1	Y	
Background-02 @ 9-10' (40.126958 / -105.045183)	07/21/23	9-10	0.7	Y	
Background-03 @ 4-5' (40.126966 / -105.044739)	07/21/23	4-5	0.8	Y	
Background-03 @ 9-10' (40.126966 / -105.044739)	07/21/23	9-10	0.3	Y	
Background-04 @ 4-5' (40.126280 / -105.045377)	07/21/23	4-5	0.9	Y	
Background-04 @ 9-10' (40.126280 / -105.045377)	07/21/23	9-10	0.6	Y	
Background-05 @ 4-5' (40.126292 / -105.044873)	07/21/23	4-5	1.4	Y	
Background-05 @ 9-10' (40.126292 / -105.044873)	07/21/23	9-10	1.1	Y	

**TABLE 1**  
**PHOTOIONIZATION DETECTOR READING SUMMARY**  
**REGNIER FARMS 19H-B268**  
**RELEASE ASSESSMENT**  
**40.126691 / -105.045103**  
**SW¼ NE¼ SEC.19 T2N R68W 6PM**  
**WELD COUNTY, COLORADO**  
**LOCATION ID 451044**  
**SPILL ID 484825**

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	PID Reading (ppm-v)	Lab Submission (Y/N)	Notes:
EX-SS-01 @ 4' (40.126691 / -105.045103)	07/28/23	4	9.5	Y	Initial excavation confirmation samples
EX-SS-02 @ 4' (40.126678 / -105.045088)	07/28/23	4	6.4	Y	
EX-SS-03 @ 4' (40.126669 / -105.045102)	07/28/23	4	5.4	Y	
EX-SS-04 @ 4' (40.126677 / -105.045118)	07/28/23	4	14.4	Y	
EX-FS-01 @ 5' (40.126680 / -105.045103)	07/28/23	5	5.9	Y	
EX-SS-05 @ 5' (40.126682 / -105.045104)	08/11/23	5	32.1	Y	Confirmation samples collected following the over-excavation of EX-SS-01@4', EX-SS-03@4', and EX-FS-01@5'
EX-SS-06 @ 5' (40.126660 / -105.045103)	08/11/23	5	35.3	Y	
EX-FS-02 @ 6' (40.126681 / -105.045103)	08/11/23	6	59.1	Y	



**TABLE 1**  
**PHOTOIONIZATION DETECTOR READING SUMMARY**  
**REGNIER FARMS 19H-B268**  
**RELEASE ASSESSMENT**  
**40.126691 / -105.045103**  
**SW¼ NE¼ SEC.19 T2N R68W 6PM**  
**WELD COUNTY, COLORADO**  
**LOCATION ID 451044**  
**SPILL ID 484825**

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	PID Reading (ppm-v)	Lab Submission (Y/N)	Notes:
EX-SS-07 @ 6' (40.126715 / -105.045106)	08/23/23	6	10.3	Y	Confirmation samples collected following the over-excavation of EX-SS-05@5', EX-SS-06@5', and EX-FS-02@6'
EX-SS-08 @ 6' (40.126699 / -105.045089)	08/23/23	6	9.1	Y	
EX-SS-09 @ 6' (40.126662 / -105.045090)	08/23/23	6	11.5	Y	
EX-SS-10 @ 6' (40.126650 / -105.045104)	08/23/23	6	9.8	Y	
EX-SS-11 @ 6' (40.126664 / -105.045119)	08/23/23	6	9.7	Y	Confirmation samples collected following the over-excavation of EX-FS-03@7' and EX-FS-04@7'
EX-SS-12 @ 6' (40.126697 / -105.045119)	08/23/23	6	10.6	Y	
EX-FS-03 @ 7' (40.126698 / -105.045104)	08/23/23	7	120.4	Y	
EX-FS-04 @ 7' (40.126674 / -105.045105)	08/23/23	7	87.1	Y	
EX-FS-05 @ 8' (40.126698 / -105.045104)	09/06/23	8	64.3	Y	
EX-FS-06 @ 8' (40.126674 / -105.045105)	09/06/23	8	1.8	Y	
(Y/N) = Yes or No ppm-v = parts per million by volume PID = Photoionization Detector					

TABLE 2  
SOIL ANALYTICAL RESULTS SUMMARY  
REGNIER FARMS 19H-B268  
RELEASE ASSESSMENT  
40.126691 / -105.045103  
SW¼ NE¼ SEC.19 T2N R68W 6PM  
WELD COUNTY, COLORADO  
LOCATION ID 451044  
SPILL ID 484825

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	PID Reading (ppmv)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-RRO (mg/kg)	1,2,4-TMB (mg/kg)	1,3,5-TMB (mg/kg)	Boron (mg/L)	Specific Conductance (mmhos/cm)	pH (pH units)	SAR
<b>ECMC Table 915-1 Residential Screening Levels</b>				1.20	490	5.8	58	500			30	27	2	<4	6-8.3	<6
<b>ECMC Table 915-1 Protection of Groundwater Soil Screening Levels</b>				0.0026	0.69	0.78	9.9	--			0.0081	0.0087	--	--	--	--
HA-SS-01 @ 4-5' (40.126724 / -105.045087)	07/21/23	4-5	0.9	<0.0020	<0.0050	<0.0050	<0.010	<0.50	7.0	5.8	<0.0050	<0.0050	0.491	0.665	7.90	1.57
HA-SS-01 @ 9-10' (40.126724 / -105.045087)	07/21/23	9-10	0.4	<0.0020	<0.0050	<0.0050	<0.010	<0.50	7.1	5.6	<0.0050	<0.0050	0.439	1.15	7.82	1.73
HA-SS-02 @ 4-5' (40.126676 / -105.045116)	07/21/23	4-5	1.2	<0.0020	<0.0050	<0.0050	<0.010	<0.50	7.0	5.4	<0.0050	<0.0050	0.372	0.837	7.87	2.12
HA-SS-02 @ 9-10' (40.126676 / -105.045116)	07/21/23	9-10	0.3	<0.0020	<0.0050	<0.0050	<0.010	<0.50	7.4	5.3	<0.0050	<0.0050	0.968	1.28	7.91	1.43
HA-SS-03 @ 4-5' (40.126727 / -105.045044)	07/21/23	4-5	1.1	<0.0020	<0.0050	<0.0050	<0.010	<0.50	7.9	5.0	<0.0050	<0.0050	0.385	0.582	7.76	0.666
HA-SS-03 @ 9-10' (40.126727 / -105.045044)	07/21/23	9-10	0.4	<0.0020	<0.0050	<0.0050	<0.010	<0.50	7.8	4.9	<0.0050	<0.0050	0.275	0.389	7.88	0.440
HA-SS-04 @ 4-5' (40.126723 / -105.045174)	07/21/23	4-5	2.3	<0.0020	<0.0050	<0.0050	<0.010	<0.50	7.5	5.0	<0.0050	<0.0050	0.344	0.794	7.93	1.74
HA-SS-04 @ 9-10' (40.126723 / -105.045174)	07/21/23	9-10	0.7	<0.0020	<0.0050	<0.0050	<0.010	<0.50	7.3	5.0	<0.0050	<0.0050	1.11	2.69	7.77	2.29
HA-SS-05 @ 4-5' (40.126793 / -105.045112)	07/21/23	4-5	1.4	<0.0020	<0.0050	<0.0050	<0.010	<0.50	7.8	5.4	<0.0050	<0.0050	0.514	0.325	7.93	0.381
HA-SS-05 @ 9-10' (40.126793 / -105.045112)	07/21/23	9-10	0.5	<0.0020	<0.0050	<0.0050	<0.010	<0.50	7.3	5.5	<0.0050	<0.0050	0.456	0.394	7.87	0.533
HA-SS-06 @ 4-5' (40.126651 / -105.045072)	07/21/23	4-5	1.2	<0.0020	<0.0050	<0.0050	<0.010	<0.50	7.6	5.3	<0.0050	<0.0050	0.324	0.562	7.96	1.54
HA-SS-06 @ 9-10' (40.126651 / -105.045072)	07/21/23	9-10	0.6	<0.0020	<0.0050	<0.0050	<0.010	<0.50	7.8	4.9	<0.0050	<0.0050	0.305	0.582	7.91	1.70
Background-01 @ 4-5' (40.126957 / -105.045579)	07/21/23	4-5	1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.427	0.742	7.88	1.89
Background-01 @ 9-10' (40.126957 / -105.045579)	07/21/23	9-10	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.469	0.572	7.92	1.46
Background-02 @ 4-5' (40.126958 / -105.045183)	07/21/23	4-5	1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.415	0.918	7.89	2.12
Background-02 @ 9-10' (40.126958 / -105.045183)	07/21/23	9-10	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.334	0.797	7.91	2.25
Background-03 @ 4-5' (40.126966 / -105.044739)	07/21/23	4-5	0.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.273	0.442	7.84	0.506
Background-03 @ 9-10' (40.126966 / -105.044739)	07/21/23	9-10	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.209	0.318	7.90	0.391
Background-04 @ 4-5' (40.126280 / -105.045377)	07/21/23	4-5	0.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.03	1.62	7.94	2.11
Background-04 @ 9-10' (40.126280 / -105.045377)	07/21/23	9-10	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.241	0.750	7.93	2.10
Background-05 @ 4-5' (40.126292 / -105.044873)	07/21/23	4-5	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.259	0.498	7.61	0.792
Background-05 @ 9-10' (40.126292 / -105.044873)	07/21/23	9-10	1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.223	0.453	7.40	0.454

TABLE 2  
SOIL ANALYTICAL RESULTS SUMMARY  
REGNIER FARMS 19H-B268  
RELEASE ASSESSMENT  
40.126691 / -105.045103  
SW¼ NE¼ SEC.19 T2N R68W 6PM  
WELD COUNTY, COLORADO  
LOCATION ID 451044  
SPILL ID 484825

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	PID Reading (ppm- v)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-RRO (mg/kg)	1,2,4-TMB (mg/kg)	1,3,5-TMB (mg/kg)	Boron (mg/L)	Specific Conductance (mmhos/cm)	pH (pH units)	SAR
ECMC Table 915-1 Residential Screening Levels				1.20	490	5.8	58	500			30	27	2	<4	6-8.3	<6
ECMC Table 915-1 Protection of Groundwater Soil Screening Levels				0.0026	0.69	0.78	9.9	--			0.0081	0.0087	--	--	--	--
Initial excavation confirmation samples																
EX-SS-01 @ 4' (40.126691 / -105.045103)	07/28/23	4	9.5	NA	<0.0050	<0.0050	<0.010	<0.50	<50	<50	<0.0050	<0.0050	1.14	3.47	7.84	23.1
EX-SS-02 @ 4' (40.126678 / -105.045088)	07/28/23	4	6.4	NA	<0.0050	<0.0050	<0.010	<0.50	<50	<50	<0.0050	<0.0050	0.214	1.96	7.66	1.78
EX-SS-03 @ 4' (40.126669 / -105.045102)	07/28/23	4	5.4	NA	<0.0050	<0.0050	<0.010	<0.50	<50	<50	<0.0050	<0.0050	0.133	0.272	8.55	0.700
EX-SS-04 @ 4' (40.126677 / -105.045118)	07/28/23	4	14.4	NA	<0.0050	<0.0050	<0.010	<0.50	<50	<50	<0.0050	<0.0050	0.226	2.94	7.52	1.13
EX-FS-01 @ 5' (40.126680 / -105.045103)	07/28/23	5	5.9	NA	<0.0050	<0.0050	<0.010	<0.50	<50	<50	<0.0050	<0.0050	1.67	2.10	7.81	10.9
Confirmation samples collected following the over-excavation of EX-SS-01@4', EX-SS-03@4', and EX-FS-01@5'																
EX-SS-05 @ 5' (40.126682 / -105.045104)	08/11/23	5	32.1	NA	0.0080	<0.0050	<0.010	<0.50	48	7.3	<0.0050	<0.0050	0.178	1.90	7.51	0.0452
EX-SS-06 @ 5' (40.126660 / -105.045103)	08/11/23	5	35.3	NA	<0.0050	<0.0050	0.0074	0.21	14	<50	<0.0050	<0.0050	1.41	10.9	8.20	0.449
EX-FS-02 @ 5' (40.126681 / -105.045103)	08/11/23	6	59.1	NA	0.28	1.2*	3.9	62	14	<50	2.0*	1.2*	0.404	1.23	8.16	0.0264
Confirmation samples collected following the over-excavation of EX-SS-05@5', EX-SS-06@5', and EX-FS-02@6'																
EX-SS-07 @ 6' (40.126715 / -105.045106)	08/23/23	6	10.3	NA	<0.0050	<0.0050	<0.010	<0.50	57	47	<0.0050	<0.0050	0.178	0.0220	8.08	0.358
EX-SS-08 @ 6' (40.126699 / -105.045089)	08/23/23	6	9.1	NA	<0.0050	<0.0050	<0.010	<0.50	36	<50	<0.0050	<0.0050	0.121	0.245	8.28	0.412
EX-SS-09 @ 6' (40.126662 / -105.045090)	08/23/23	6	11.5	NA	<0.0050	<0.0050	<0.010	<0.50	38	46	<0.0050	<0.0050	0.114	0.252	8.20	0.415
EX-SS-10 @ 6' (40.126650 / -105.045104)	08/23/23	6	9.8	NA	<0.0050	<0.0050	<0.010	<0.50	36	43	<0.0050	<0.0050	0.0762	0.229	8.25	0.378
EX-SS-11 @ 6' (40.126664 / -105.045119)	08/23/23	6	9.7	NA	<0.0050	<0.0050	<0.010	<0.50	32	43	<0.0050	<0.0050	0.198	0.284	8.17	0.459
EX-SS-12 @ 6' (40.126697 / -105.045119)	08/23/23	6	10.6	NA	<0.0050	<0.0050	<0.010	<0.50	34	42	<0.0050	<0.0050	0.535	0.0222	8.26	0.358
EX-FS-03 @ 7' (40.126698 / -105.045104)	08/23/23	7	120.4	NA	0.020	<0.0050	0.097	1.0	29	39	0.023*	0.022*	0.616	1.18	7.54	2.15
EX-FS-04 @ 7' (40.126674 / -105.045105)	08/23/23	7	87.1	NA	0.95*	0.15	1.5	15	28	39	0.37*	0.15*	0.0835	1.48	7.68	2.62



TABLE 2  
SOIL ANALYTICAL RESULTS SUMMARY  
REGNIER FARMS 19H-B268  
RELEASE ASSESSMENT  
40.126691 / -105.045103  
SW¼ NE¼ SEC.19 T2N R68W 6PM  
WELD COUNTY, COLORADO  
LOCATION ID 451044  
SPILL ID 484825

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	PID Reading (ppm- v)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-RRO (mg/kg)	1,2,4-TMB (mg/kg)	1,3,5-TMB (mg/kg)	Boron (mg/L)	Specific Conductance (mmhos/cm)	pH (pH units)	SAR
ECMC Table 915-1 Residential Screening Levels				1.20	490	5.8	58	500			30	27	2	<4	6-8.3	<6
ECMC Table 915-1 Protection of Groundwater Soil Screening Levels				0.0026	0.69	0.78	9.9	--			0.0081	0.0087	--	--	--	--
Confirmation samples collected following the over-excavation of EX-FS-03@7' and EX-FS-04@7'																
EX-FS-05 @ 8' (40.126698 / -105.045104)	09/06/23	8	64.3	NA	0.015	<0.0050	0.079	1.2	14	5.0	0.0077	0.0055	0.700	1.33	7.71	1.92
EX-FS-06 @ 8' (40.126674 / -105.045105)	09/06/23	8	1.8	NA	<0.0050	<0.0050	<0.010	<0.50	14	5.0	<0.0050	<0.0050	0.968	2.26	7.58	2.41
ECMC = Energy & Carbon Management Commission mg/kg = milligrams per kilogram mmhos/cm = millimhos per centimeter PID = Photoionization Detector ppm-v = parts per million by volume mg/L = milligrams per liter SAR = Sodium Adsoption Ratio Note: Values presented with a less than symbol (<) did not contain concentrations at or above the laboratory reporting limit. Note: Values presented in highlighted <b>BOLD</b> contained concentrations exceeding ECMC Table 915-1 Regulatory Limits. Values presented with asterisk (*) exceed ECMC Protection of Groundwater Soil Screening Levels																
NA - Not Analyzed																
1,2,4-TMB = 1,2,4-Trimethylbenzene																
1,3,5-TMB = 1,3,5-Trimethylbenzene																

TABLE 3  
POLYCYCLIC AROMATICS HYDROCARBONS ANALYTICAL RESULTS SUMMARY  
REGNIER FARMS 19H-B268  
RELEASE ASSESSMENT  
40.126691 / -105.045103  
SW¼ NE¼ SEC.19 T2N R68W 6PM  
WELD COUNTY, COLORADO  
LOCATION ID 451044  
SPILL ID 484825

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	PID Reading (ppm- v)	1-Methyl- naphthalene (mg/kg)	2-Methyl-naphthalene (mg/kg)	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo(a)-anthracene (mg/kg)	Benzo(a)- pyrene (mg/kg)	Benzo(b)- fluoranthene (mg/kg)	Benzo(k)- fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo(a,h)- anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno(1,2,3- cd)-pyrene (mg/kg)	Naphthalene (mg/kg)	Pyrene (mg/kg)
ECMC Table 915-1 Residential Screening Levels (mg/kg)				18	24	360	1,800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	2	180
ECMC Table 915-1 Protection of Groundwater Soil Screening Levels (mg/kg)				0.006	0.019	0.55	5.8	0.011	0.24	0.3	2.9	9	0.096	8.9	0.54	0.98	0.0038	1.3
HA-SS-01 @ 4-5' (40.126724 / -105.045087)	07/21/23	4-5	0.9	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.0038	<0.00500
HA-SS-01 @ 9-10' (40.126724 / -105.045087)	07/21/23	9-10	0.4	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.0038	<0.00500
HA-SS-02 @ 4-5' (40.126676 / -105.045116)	07/21/23	4-5	1.2	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.0038	<0.00500
HA-SS-02 @ 9-10' (40.126676 / -105.045116)	07/21/23	9-10	0.3	<0.00500	<0.00500	<0.00500	<0.00500	0.00244	0.00450	0.00400	0.00171	0.00252	<0.00500	0.00499	<0.00500	0.00250	<0.0038	0.00391
HA-SS-03 @ 4-5' (40.126727 / -105.045044)	07/21/23	4-5	1.1	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.0038	<0.00500
HA-SS-03 @ 9-10' (40.126727 / -105.045044)	07/21/23	9-10	0.4	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.0038	<0.00500
HA-SS-04 @ 4-5' (40.126723 / -105.045174)	07/21/23	4-5	2.3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.0038	<0.00500
HA-SS-04 @ 9-10' (40.126723 / -105.045174)	07/21/23	9-10	0.7	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.0038	<0.00500
HA-SS-05 @ 4-5' (40.126793 / -105.045112)	07/21/23	4-5	1.4	<0.00500	<0.00500	<0.00500	<0.00500	0.00123	0.00315	0.00214	0.000897	0.000766	<0.00500	0.00262	<0.00500	<0.00500	<0.0038	0.00169
HA-SS-05 @ 9-10' (40.126793 / -105.045112)	07/21/23	9-10	0.5	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.0038	<0.00500
HA-SS-06 @ 4-5' (40.126651 / -105.045072)	07/21/23	4-5	1.2	<0.00500	<0.00500	<0.00500	<0.00500	0.000664	0.00314	0.00171	0.000868	0.000665	<0.00500	0.00170	<0.00500	<0.00500	<0.0038	0.00148
HA-SS-06 @ 9-10' (40.126651 / -105.045072)	07/21/23	9-10	0.6	<0.00500	<0.00500	<0.00500	<0.00500	0.000960	0.00334	0.00202	0.000922	0.000847	<0.00500	0.00204	<0.00500	<0.00500	<0.0038	0.00183
Initial excavation confirmation samples																		
EX-SS-01 @ 4' (40.126691 / -105.045103)	07/28/23	4	9.5	NA	<0.00500	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00500	NA	<0.0038	NA
EX-SS-02 @ 4' (40.126678 / -105.045088)	07/28/23	4	6.4	NA	<0.00500	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00500	NA	<0.0038	NA
EX-SS-03 @ 4' (40.126669 / -105.045102)	07/28/23	4	5.4	NA	<0.00500	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00500	NA	<0.0038	NA
EX-SS-04 @ 4' (40.126677 / -105.045118)	07/28/23	4	14.4	NA	<0.00500	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00500	NA	<0.0038	NA
EX-FS-01 @ 5' (40.126680 / -105.045103)	07/28/23	5	5.9	NA	<0.00500	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00500	NA	<0.0038	NA
Confirmation samples collected following the over-excavation of EX-SS-01@4', EX-SS-03@4', and EX-FS-01@5'																		
EX-SS-05 @ 5' (40.126682 / -105.045104)	08/11/23	5	32.1	NA	0.0811*	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00730	NA	<0.0038	NA
EX-SS-06 @ 5' (40.126660 / -105.045103)	08/11/23	5	35.3	NA	<0.00500	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00500	NA	<0.0038	NA
EX-FS-02 @ 6' (40.126681 / -105.045103)	08/11/23	6	59.1	NA	<0.00500	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00500	NA	0.44*	NA
Confirmation samples collected following the over-excavation of EX-SS-05@5', EX-SS-06@5', and EX-FS-02@6'																		
EX-SS-07 @ 6' (40.126715 / -105.045106)	08/23/23	6	10.3	NA	<0.00500	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00500	NA	<0.0038	NA
EX-SS-08 @ 6' (40.126699 / -105.045089)	08/23/23	6	9.1	NA	<0.00500	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00500	NA	<0.0038	NA
EX-SS-09 @ 6' (40.126662 / -105.045090)	08/23/23	6	11.5	NA	<0.00500	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00500	NA	<0.0038	NA
EX-SS-10 @ 6' (40.126650 / -105.045104)	08/23/23	6	9.8	NA	<0.00500	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00500	NA	<0.0038	NA
EX-SS-11 @ 6' (40.126664 / -105.045119)	08/23/23	6	9.7	NA	<0.00500	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00500	NA	<0.0038	NA
EX-SS-12 @ 6' (40.126697 / -105.045119)	08/23/23	6	10.6	NA	<0.00500	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00500	NA	<0.0038	NA
EX-FS-03 @ 7' (40.126698 / -105.045104)	08/23/23	7	120.4	NA	<0.00500	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00500	NA	<0.0038	NA
EX-FS-04 @ 7' (40.126674 / -105.045105)	08/23/23	7	87.1	NA	<0.00500	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00500	NA	0.026*	NA

TABLE 3  
POLYCYCLIC AROMATICS HYDROCARBONS ANALYTICAL RESULTS SUMMARY  
REGNIER FARMS 19H-B268  
RELEASE ASSESSMENT  
40.126691 / -105.045103  
SW¼ NE¼ SEC.19 T2N R68W 6PM  
WELD COUNTY, COLORADO  
LOCATION ID 451044  
SPILL ID 484825

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	PID Reading (ppm- v)	1-Methyl- naphthalene (mg/kg)	2-Methyl-naphthalene (mg/kg)	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo(a)-anthracene (mg/kg)	Benzo(a)- pyrene (mg/kg)	Benzo(b)- fluoranthene (mg/kg)	Benzo(k)- fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo(a,h)- anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno(1,2,3- cd)-pyrene (mg/kg)	Naphthalene (mg/kg)	Pyrene (mg/kg)
ECMC Table 915-1 Residential Screening Levels (mg/kg)				18	24	360	1,800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	2	180
ECMC Table 915-1 Protection of Groundwater Soil Screening Levels (mg/kg)				0.006	0.019	0.55	5.8	0.011	0.24	0.3	2.9	9	0.096	8.9	0.54	0.98	0.0038	1.3
Confirmation samples collected following the over-excavation of EX-FS-03@7" and EX-FS-04@7"																		
EX-FS-05 @ 8' (40.126698 / -105.045104)	09/06/23	8	64.3	NA	<0.00500	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00500	NA	<0.0038	NA
EX-FS-06 @ 8' (40.126674 / -105.045105)	09/06/23	8	1.8	NA	<0.00500	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00500	NA	<0.0038	NA
ECMC = Energy & Carbon Management Commission mg/kg = milligrams per kilogram ppm-v = parts per million by volume PID = Photoionization Detector Note: Values presented with a less than symbol (<) did not contain concentrations at or above the laboratory reporting limit. Note: Values presented in highlighted <b>BOLD</b> contained concentrations exceeding ECMC Table 915-1 Regulatory Limits. Values presented with asterisk (*) exceed ECMC Protection of Groundwater Soil Screening Levels																		



## **ATTACHMENT A**

### **Photo Log**



# Regnier Farms 19H-B268

Location ID 451044

Spill ID 484825

Release Assessment

July-September 2023



## Hand Auger Assessment – 07/21/23



Looking west

No petroleum hydrocarbon staining or odor observed

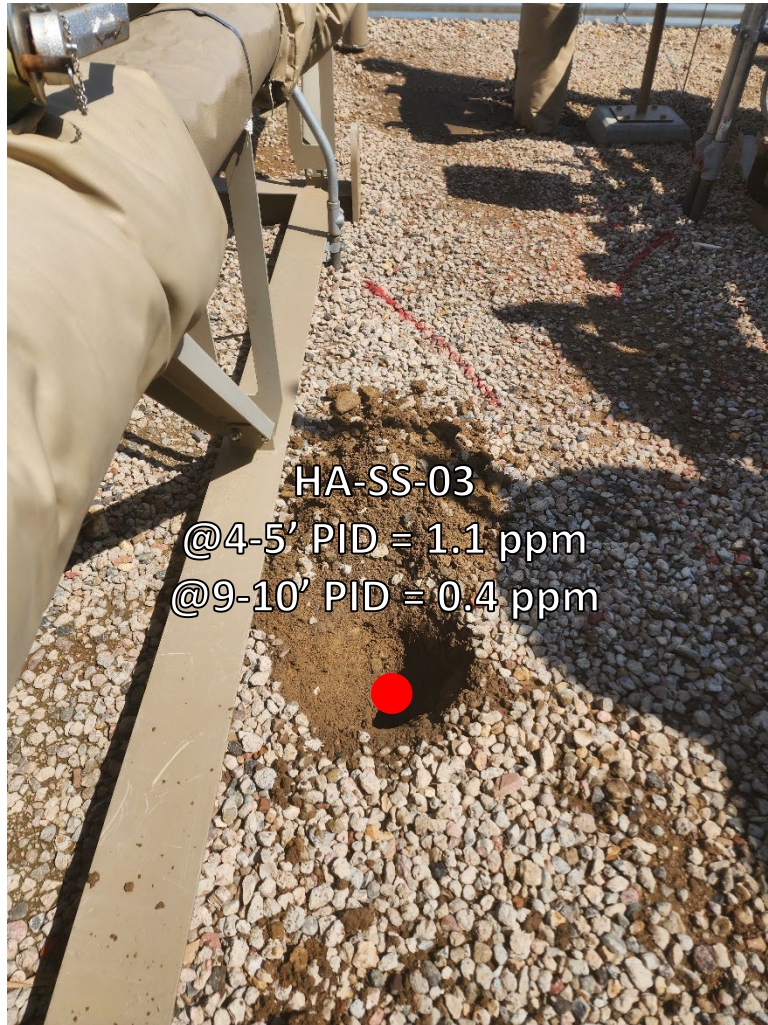


Looking north

No petroleum hydrocarbon staining or odor observed



## Hand Auger Assessment – 07/21/23



Looking north

No petroleum hydrocarbon staining or odor observed



Looking west

No petroleum hydrocarbon staining or odor observed



## Hand Auger Assessment – 07/21/23



Looking east

No petroleum hydrocarbon staining or odor observed

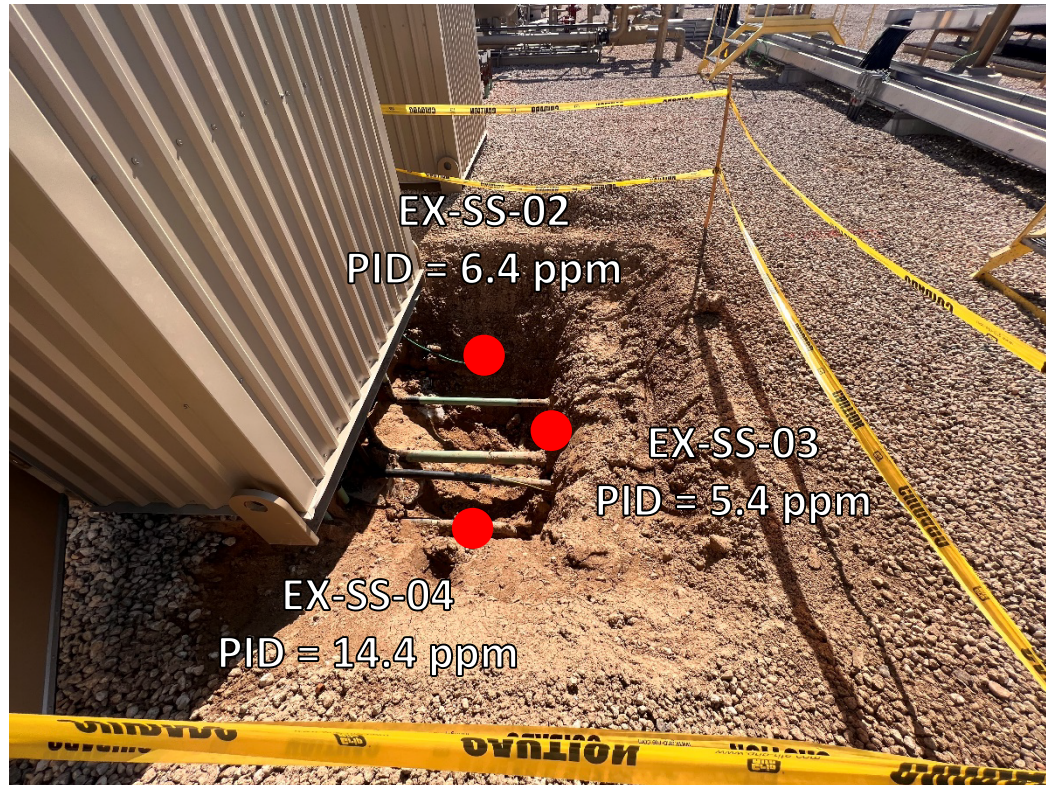


Looking east

No petroleum hydrocarbon staining or odor observed



# Initial Excavation / Confirmation Sampling – 07/28/23



Looking east

No petroleum hydrocarbon staining or odor observed

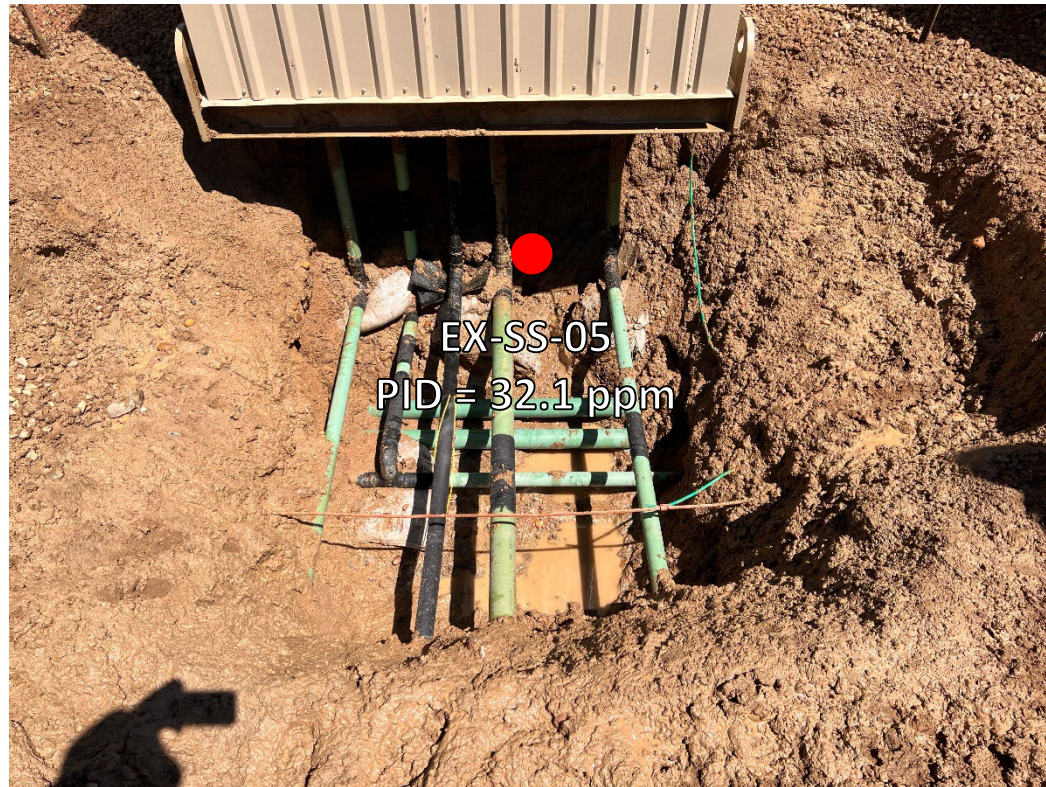


Looking north

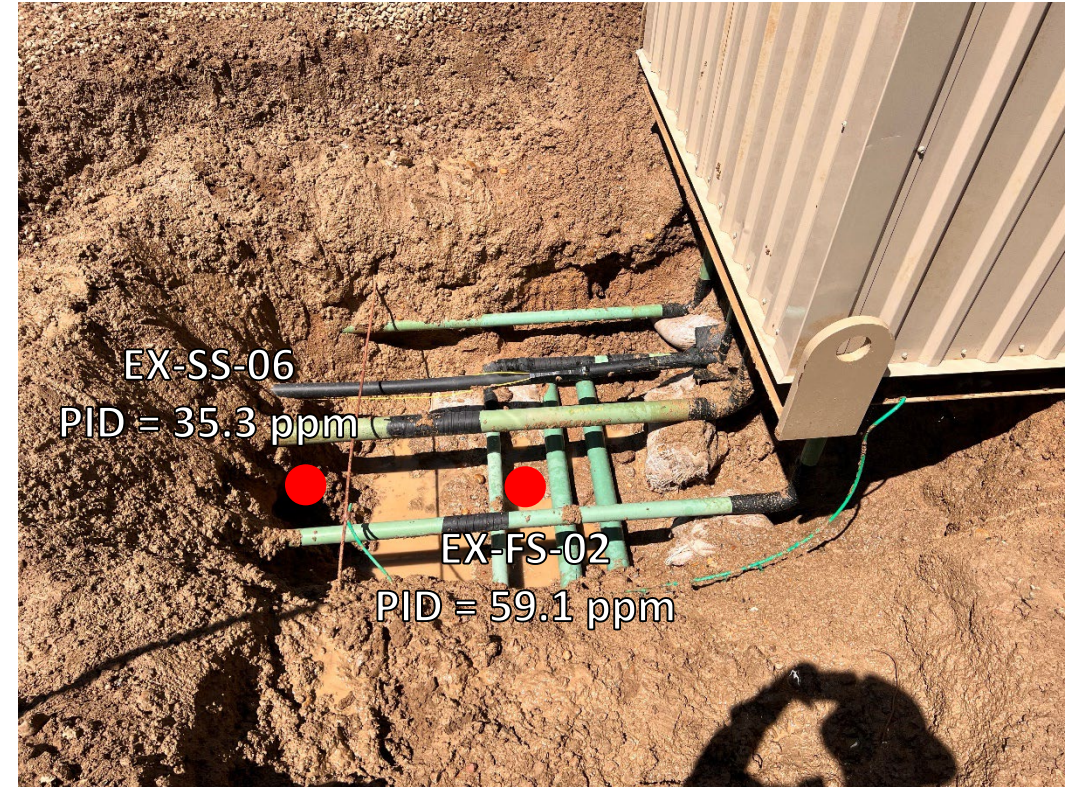
No petroleum hydrocarbon staining or odor observed



## Over-ex / Confirmation Sampling – 08/11/23



Looking north^



Looking west^

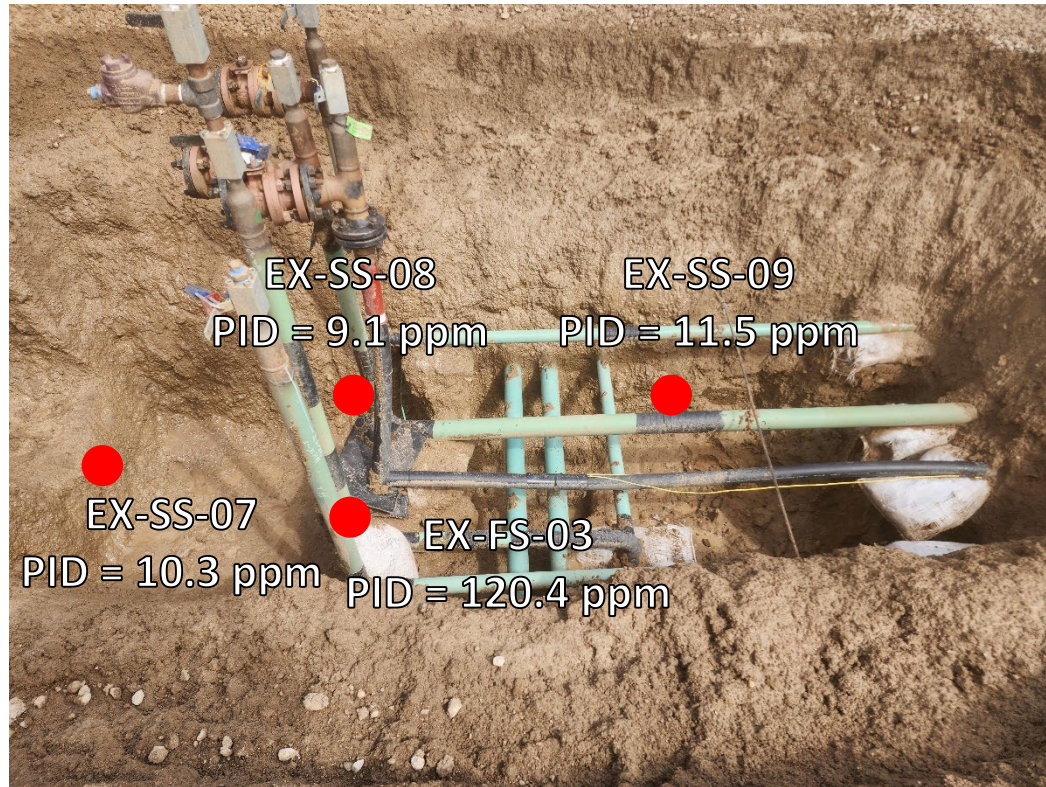
EX-SS-01, EX-SS-03, and EX-FS-01 over-excavated

Confirmation floor samples EX-SS-05, EX-SS-06, and EX-FS-02 collected

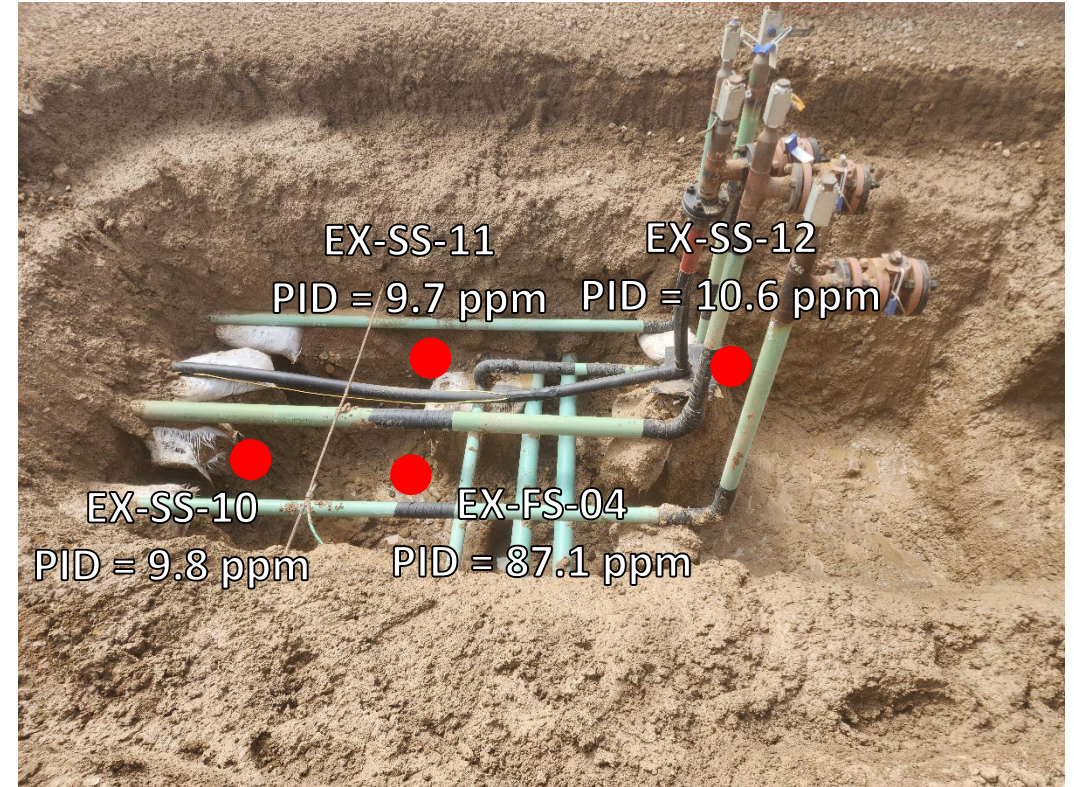
No petroleum hydrocarbon staining observed; slight odor on north wall adjacent to EX-SS-05 noted



## Over-ex / Confirmation Sampling – 08/23/23



Looking east^



Looking west^

EX-SS-05, EX-SS-06, and EX-FS-02 over-excavated

Confirmation floor samples EX-SS-07 through EX-SS-12, EX-FS-03, and EX-FS-04 collected

No petroleum hydrocarbon staining observed; slight odor at base of excavation noted



## Over-ex / Confirmation Sampling – 09/06/23



EX-SS-05  
PID = 64.3 ppm

← Looking southwest  
Looking northeast →

EX-FS-03 and EX-FS-04 over-excavated

Confirmation floor samples  
EX-FS-05 and EX-FS-06  
collected

No petroleum hydrocarbon  
staining or odor observed



EX-FS-06  
PID = 1.3 ppm





## **ATTACHMENT B**

### **Laboratory Analytical Reports**

# Summit Scientific

---

4653 Table Mountain Drive, Golden, Colorado 80401

303.277.9310

July 27, 2023

Martin Eckert III

Eagle Environmental Consulting

8000 W 44th Ave

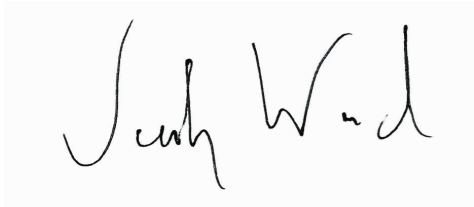
Wheat Ridge, CO 80033

RE: Civitas - Regnier Farms 19H-B268

Work Order # 2307405

Enclosed are the results of analyses for samples received by Summit Scientific on 07/21/23 14:22. 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 style with a large initial "J" and a stylized "W".

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:**  
07/27/23 09:08

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Background-01@4-5'	2307405-01	Soil	07/21/23 11:10	07/21/23 14:22
Background-01@9-10'	2307405-02	Soil	07/21/23 11:20	07/21/23 14:22
Background-02@4-5'	2307405-03	Soil	07/21/23 11:30	07/21/23 14:22
Background-02@9-10'	2307405-04	Soil	07/21/23 11:40	07/21/23 14:22
Background-03@4-5'	2307405-05	Soil	07/21/23 11:50	07/21/23 14:22
Background-03@9-10'	2307405-06	Soil	07/21/23 12:00	07/21/23 14:22
Background-04@4-5'	2307405-07	Soil	07/21/23 12:10	07/21/23 14:22
Background-04@9-10'	2307405-08	Soil	07/21/23 12:20	07/21/23 14:22
Background-05@4-5'	2307405-09	Soil	07/21/23 12:30	07/21/23 14:22
Background-05@9-10'	2307405-10	Soil	07/21/23 12:40	07/21/23 14:22

### Case Narrative

Andrew Newberry canceled 915 Metals for all samples on 7/24/2023.

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 1 of 1
2307405	

Send Data To:		Send Invoice To:	
Client: Eagle Environmental Consulting	Project Manager: Martha Eckert III	Company: Civitas	
Address: 8000 W 44th Ave	E-Mail: mce3@eagle-enviro.com	Project Name/Location:	
City/State/Zip: Wheat Ridge, CO 80033		AFE#:	
Phone: 303-433-0479	Project Name: Regnier Farms 19H-B268	PO/Billing Codes:	
Sampler Name: TC	Project Number:	Contact: Costa	

					Preservative				Matrix				Analysis Requested						Special Instructions
ID	Sample Description	Date Sampled	Time Sampled	# of containers	HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	EC-9050A	SAR	pH	Background/Soil/Soil	Table 715 metals	CC-VI	CC-VI
1	Background-01@4-5'	7-21-23	1110	2			X			X			X	X	X	X	X	X	X
2	Background-01@9-10'	↓	1120	↓			↓			↓			↓	↓	↓	↓	↓	↓	↓
3	Background-02@4-5'	↓	1130	↓			↓			↓			↓	↓	↓	↓	↓	↓	↓
4	Background-02@9-10'	↓	1140	↓			↓			↓			↓	↓	↓	↓	↓	↓	↓
5	Background-03@4-5'	↓	1150	↓			↓			↓			↓	↓	↓	↓	↓	↓	↓
6	Background-03@9-10'	↓	1200	↓			↓			↓			↓	↓	↓	↓	↓	↓	↓
7	Background-04@4-5'	↓	1210	↓			↓			↓			↓	↓	↓	↓	↓	↓	↓
8	Background-04@9-10'	↓	1220	↓			↓			↓			↓	↓	↓	↓	↓	↓	↓
9	Background-05@4-5'	↓	1230	↓			↓			↓			↓	↓	↓	↓	↓	↓	↓
10	Background-05@9-10'	↓	1240	↓			↓			↓			↓	↓	↓	↓	↓	↓	↓
11																			
12																			
13																			
14																			
15																			

Relinquished by: Trevor Copple	Date/Time: 7-21-23/ 1421	Received by: Josh Ward	Date/Time: 7/21/23 14:22	TAT Business Days	Field DO	Notes:
Relinquished by:	Date/Time:	Received by:	Date/Time:	Same Day	Field EC	
				1 Day	Field ORP	
				2 Days	Field pH	
				3 Days	Field Temp.	
Relinquished by:	Date/Time:	Received by:	Date/Time:	Standard	Field Turb.	
Temperature Upon Receipt: 1.6	Corrected Temperature	IR gun #: 2	HNO3 lot #:			



S<sub>2</sub>

## Sample Receipt Checklist

S2 Work Order# 2307405Client: Eagle Client Project ID: Regnier Farms 19H-B268Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other ☐ Airbill #: ☐
☒ ☐ ☐ ☐ ☐
Matrix (Check all that apply) Air ☐ Soil/Solid ☒ Water ☐ Other ☐Temp (°C) 1.6 Thermometer # 2

	Yes	No	N/A	Comments (if any)
If samples require cooling, is the temperature < 6°C? <sup>(1)</sup> <b>NOTE:</b> 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? <sup>(1)</sup>	<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 <sup>2+</sup> ), Hexavalent Chromium (Cr <sup>6+</sup> , 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? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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)? <sup>(1)</sup> Note the type of preservative in the comments column – HCl, H <sub>2</sub> SO <sub>4</sub> , NaOH, HNO <sub>3</sub> , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2? <sup>(1)</sup> Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				

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

John Wood  
Custodian Printed Name

7/21/23 14:22  
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:**  
07/27/23 09:08

**Background-01@4-5'**  
**2307405-01 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **07/21/23 11:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Boron	0.427	0.0100	0.00690	mg/L	1	BGG0704	07/23/23	07/26/23	EPA 6020B	

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

Date Sampled: **07/21/23 11:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Calcium	31.7	0.0609		mg/L dry	1	BGG0699	07/23/23	07/25/23	EPA 6020B	
Magnesium	14.3	0.0609		"	"	"	"	"	"	
Sodium	50.9	0.0609		"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **07/21/23 11:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Sodium Adsorption Ratio	1.89	0.00100		units	1	BGG0877	07/26/23	07/26/23	Calculation	

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

Date Sampled: **07/21/23 11:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
% Solids	82.0			%	1	BGG0723	07/24/23	07/24/23	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **07/21/23 11:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Specific Conductance (EC)	0.742	0.0100	0.00100	mmhos/cm	1	BGG0711	07/23/23	07/24/23	EPA 120.1	

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

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:**

07/27/23 09:08

**Background-01@4-5'**

**2307405-01 (Soil)**

**Summit Scientific**

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

Date Sampled: **07/21/23 11:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
<b>pH</b>	<b>7.88</b>			pH Units	1	BGG0710	07/23/23	07/24/23	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:**  
07/27/23 09:08

**Background-01@9-10'**  
**2307405-02 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **07/21/23 11:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Boron	0.469	0.0100	0.00690	mg/L	1	BGG0704	07/23/23	07/26/23	EPA 6020B	

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

Date Sampled: **07/21/23 11:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Calcium	23.1	0.0589		mg/L dry	1	BGG0699	07/23/23	07/25/23	EPA 6020B	
Magnesium	10.1	0.0589		"	"	"	"	"	"	
Sodium	33.5	0.0589		"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **07/21/23 11:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Sodium Adsorption Ratio	1.46	0.00100		units	1	BGG0877	07/26/23	07/26/23	Calculation	

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

Date Sampled: **07/21/23 11:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
% Solids	84.9			%	1	BGG0723	07/24/23	07/24/23	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **07/21/23 11:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Specific Conductance (EC)	0.572	0.0100	0.00100	mmhos/cm	1	BGG0711	07/23/23	07/24/23	EPA 120.1	

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

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.*





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:**

07/27/23 09:08

**Background-01@9-10'**

**2307405-02 (Soil)**

**Summit Scientific**

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

Date Sampled: **07/21/23 11:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
<b>pH</b>	<b>7.92</b>			pH Units	1	BGG0710	07/23/23	07/24/23	EPA 9045D	

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.*



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:**  
07/27/23 09:08

**Background-02@4-5'**  
**2307405-03 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **07/21/23 11:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Boron	0.415	0.0100	0.00690	mg/L	1	BGG0704	07/23/23	07/26/23	EPA 6020B	

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

Date Sampled: **07/21/23 11:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Calcium	28.8	0.0599		mg/L dry	1	BGG0699	07/23/23	07/25/23	EPA 6020B	
Magnesium	17.7	0.0599		"	"	"	"	"	"	
Sodium	58.7	0.0599		"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **07/21/23 11:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Sodium Adsorption Ratio	2.12	0.00100		units	1	BGG0877	07/26/23	07/26/23	Calculation	

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

Date Sampled: **07/21/23 11:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
% Solids	83.4			%	1	BGG0723	07/24/23	07/24/23	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **07/21/23 11:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Specific Conductance (EC)	0.918	0.0100	0.00100	mmhos/cm	1	BGG0711	07/23/23	07/24/23	EPA 120.1	

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

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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:**

07/27/23 09:08

**Background-02@4-5'**

**2307405-03 (Soil)**

**Summit Scientific**

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

Date Sampled: **07/21/23 11:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
<b>pH</b>	<b>7.89</b>			pH Units	1	BGG0710	07/23/23	07/24/23	EPA 9045D	

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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:**  
07/27/23 09:08

**Background-02@9-10'**  
**2307405-04 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **07/21/23 11:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Boron	0.334	0.0100	0.00690	mg/L	1	BGG0704	07/23/23	07/26/23	EPA 6020B	

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

Date Sampled: **07/21/23 11:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Calcium	31.4	0.0578		mg/L dry	1	BGG0699	07/23/23	07/25/23	EPA 6020B	
Magnesium	17.5	0.0578		"	"	"	"	"	"	
Sodium	63.5	0.0578		"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **07/21/23 11:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Sodium Adsorption Ratio	2.25	0.00100		units	1	BGG0877	07/26/23	07/26/23	Calculation	

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

Date Sampled: **07/21/23 11:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
% Solids	86.5			%	1	BGG0723	07/24/23	07/24/23	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **07/21/23 11:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Specific Conductance (EC)	0.797	0.0100	0.00100	mmhos/cm	1	BGG0711	07/23/23	07/24/23	EPA 120.1	

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

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8000 W 44th Ave  
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Project: Civitas - Regnier Farms 19H-B268

Project Number: [none]

Project Manager: Martin Eckert III

**Reported:**

07/27/23 09:08

**Background-02@9-10'**

**2307405-04 (Soil)**

**Summit Scientific**

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

Date Sampled: **07/21/23 11:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
<b>pH</b>	<b>7.91</b>			pH Units	1	BGG0710	07/23/23	07/24/23	EPA 9045D	

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Wheat Ridge CO, 80033

Project: Civitas - Regnier Farms 19H-B268

Project Number: [none]

Project Manager: Martin Eckert III

**Reported:**  
07/27/23 09:08

**Background-03@4-5'**  
**2307405-05 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **07/21/23 11:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Boron	0.273	0.0100	0.00690	mg/L	1	BGG0704	07/23/23	07/26/23	EPA 6020B	

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

Date Sampled: **07/21/23 11:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Calcium	29.0	0.0599		mg/L dry	1	BGG0699	07/23/23	07/25/23	EPA 6020B	
Magnesium	12.8	0.0599		"	"	"	"	"	"	
Sodium	13.0	0.0599		"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **07/21/23 11:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Sodium Adsorption Ratio	0.506	0.00100		units	1	BGG0877	07/26/23	07/26/23	Calculation	

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

Date Sampled: **07/21/23 11:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
% Solids	83.4			%	1	BGG0723	07/24/23	07/24/23	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **07/21/23 11:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Specific Conductance (EC)	0.442	0.0100	0.00100	mmhos/cm	1	BGG0711	07/23/23	07/24/23	EPA 120.1	

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

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Project: Civitas - Regnier Farms 19H-B268

Project Number: [none]

Project Manager: Martin Eckert III

**Reported:**  
07/27/23 09:08

**Background-03@4-5'**  
**2307405-05 (Soil)**

**Summit Scientific**

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

Date Sampled: **07/21/23 11:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
<b>pH</b>	<b>7.84</b>			pH Units	1	BGG0710	07/23/23	07/24/23	EPA 9045D	

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

**Reported:**  
07/27/23 09:08

**Background-03@9-10'**  
**2307405-06 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **07/21/23 12:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Boron	0.209	0.0100	0.00690	mg/L	1	BGG0704	07/23/23	07/26/23	EPA 6020B	

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

Date Sampled: **07/21/23 12:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Calcium	29.8	0.0572		mg/L dry	1	BGG0699	07/23/23	07/25/23	EPA 6020B	
Magnesium	10.2	0.0572		"	"	"	"	"	"	
Sodium	9.69	0.0572		"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **07/21/23 12:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Sodium Adsorption Ratio	0.391	0.00100		units	1	BGG0877	07/26/23	07/26/23	Calculation	

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

Date Sampled: **07/21/23 12:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
% Solids	87.4			%	1	BGG0723	07/24/23	07/24/23	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **07/21/23 12:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Specific Conductance (EC)	0.318	0.0100	0.00100	mmhos/cm	1	BGG0711	07/23/23	07/24/23	EPA 120.1	

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

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Project: Civitas - Regnier Farms 19H-B268

Project Number: [none]

Project Manager: Martin Eckert III

**Reported:**

07/27/23 09:08

**Background-03@9-10'**

**2307405-06 (Soil)**

**Summit Scientific**

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

Date Sampled: **07/21/23 12:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
<b>pH</b>	<b>7.90</b>			pH Units	1	BGG0710	07/23/23	07/24/23	EPA 9045D	

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Project: Civitas - Regnier Farms 19H-B268

Project Number: [none]

Project Manager: Martin Eckert III

**Reported:**  
07/27/23 09:08

**Background-04@4-5'**  
**2307405-07 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **07/21/23 12:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Boron	1.03	0.0100	0.00690	mg/L	1	BGG0704	07/23/23	07/26/23	EPA 6020B	

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

Date Sampled: **07/21/23 12:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Calcium	40.3	0.0632		mg/L dry	1	BGG0699	07/23/23	07/25/23	EPA 6020B	
Magnesium	60.2	0.0632		"	"	"	"	"	"	
Sodium	90.4	0.0632		"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **07/21/23 12:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Sodium Adsorption Ratio	2.11	0.00100		units	1	BGG0877	07/26/23	07/26/23	Calculation	

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

Date Sampled: **07/21/23 12:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
% Solids	79.1			%	1	BGG0723	07/24/23	07/24/23	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **07/21/23 12:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Specific Conductance (EC)	1.62	0.0100	0.00100	mmhos/cm	1	BGG0711	07/23/23	07/24/23	EPA 120.1	

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

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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:**  
07/27/23 09:08

**Background-04@4-5'**  
**2307405-07 (Soil)**

**Summit Scientific**

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

Date Sampled: **07/21/23 12:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
<b>pH</b>	<b>7.94</b>			pH Units	1	BGG0710	07/23/23	07/24/23	EPA 9045D	

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Wheat Ridge CO, 80033

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

**Reported:**  
07/27/23 09:08

**Background-04@9-10'**  
**2307405-08 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **07/21/23 12:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Boron	0.241	0.0100	0.00690	mg/L	1	BGG0704	07/23/23	07/26/23	EPA 6020B	

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

Date Sampled: **07/21/23 12:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Calcium	34.2	0.0588		mg/L dry	1	BGG0699	07/23/23	07/25/23	EPA 6020B	
Magnesium	15.1	0.0588		"	"	"	"	"	"	
Sodium	58.6	0.0588		"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **07/21/23 12:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Sodium Adsorption Ratio	2.10	0.00100		units	1	BGG0877	07/26/23	07/26/23	Calculation	

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

Date Sampled: **07/21/23 12:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
% Solids	85.1			%	1	BGG0723	07/24/23	07/24/23	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **07/21/23 12:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Specific Conductance (EC)	0.750	0.0100	0.00100	mmhos/cm	1	BGG0711	07/23/23	07/24/23	EPA 120.1	

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

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8000 W 44th Ave  
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Project: Civitas - Regnier Farms 19H-B268

Project Number: [none]

Project Manager: Martin Eckert III

**Reported:**  
07/27/23 09:08

**Background-04@9-10'**  
**2307405-08 (Soil)**

**Summit Scientific**

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

Date Sampled: **07/21/23 12:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
<b>pH</b>	<b>7.93</b>			pH Units	1	BGG0710	07/23/23	07/24/23	EPA 9045D	

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Wheat Ridge CO, 80033

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

**Reported:**  
07/27/23 09:08

**Background-05@4-5'**  
**2307405-09 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **07/21/23 12:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Boron	0.259	0.0100	0.00690	mg/L	1	BGG0704	07/23/23	07/26/23	EPA 6020B	

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

Date Sampled: **07/21/23 12:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Calcium	33.7	0.0637		mg/L dry	1	BGG0699	07/23/23	07/25/23	EPA 6020B	
Magnesium	9.20	0.0637		"	"	"	"	"	"	
Sodium	20.1	0.0637		"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **07/21/23 12:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Sodium Adsorption Ratio	0.792	0.00100		units	1	BGG0877	07/26/23	07/26/23	Calculation	

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

Date Sampled: **07/21/23 12:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
% Solids	78.5			%	1	BGG0723	07/24/23	07/24/23	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **07/21/23 12:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Specific Conductance (EC)	0.498	0.0100	0.00100	mmhos/cm	1	BGG0711	07/23/23	07/24/23	EPA 120.1	

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

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8000 W 44th Ave  
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Project: Civitas - Regnier Farms 19H-B268

Project Number: [none]

Project Manager: Martin Eckert III

**Reported:**

07/27/23 09:08

**Background-05@4-5'**

**2307405-09 (Soil)**

**Summit Scientific**

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

Date Sampled: **07/21/23 12:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
<b>pH</b>	<b>7.61</b>			pH Units	1	BGG0710	07/23/23	07/24/23	EPA 9045D	

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

**Reported:**  
07/27/23 09:08

**Background-05@9-10'**  
**2307405-10 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **07/21/23 12:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Boron	0.223	0.0100	0.00690	mg/L	1	BGG0704	07/23/23	07/26/23	EPA 6020B	

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

Date Sampled: **07/21/23 12:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Calcium	52.3	0.0632		mg/L dry	1	BGG0699	07/23/23	07/25/23	EPA 6020B	
Magnesium	10.7	0.0632		"	"	"	"	"	"	
Sodium	13.8	0.0632		"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **07/21/23 12:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Sodium Adsorption Ratio	0.454	0.00100		units	1	BGG0877	07/26/23	07/26/23	Calculation	

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

Date Sampled: **07/21/23 12:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
% Solids	79.1			%	1	BGG0723	07/24/23	07/24/23	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **07/21/23 12:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Specific Conductance (EC)	0.453	0.0100	0.00100	mmhos/cm	1	BGG0711	07/23/23	07/24/23	EPA 120.1	

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

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8000 W 44th Ave  
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Project: Civitas - Regnier Farms 19H-B268

Project Number: [none]

Project Manager: Martin Eckert III

**Reported:**

07/27/23 09:08

**Background-05@9-10'**

**2307405-10 (Soil)**

**Summit Scientific**

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

Date Sampled: **07/21/23 12:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
<b>pH</b>	<b>7.40</b>			pH Units	1	BGG0710	07/23/23	07/24/23	EPA 9045D	

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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:**  
07/27/23 09:08

### 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 BGG0704 - EPA 3050B

##### Blank (BGG0704-BLK1)

Prepared: 07/23/23 Analyzed: 07/26/23

Boron ND 0.0100 mg/L

##### LCS (BGG0704-BS1)

Prepared: 07/23/23 Analyzed: 07/26/23

Boron 5.05 0.0100 mg/L 5.00 101 80-120

##### Duplicate (BGG0704-DUP1)

Source: 2307405-01

Prepared: 07/23/23 Analyzed: 07/26/23

Boron 0.475 0.0100 mg/L 0.427 10.7 20

##### Matrix Spike (BGG0704-MS1)

Source: 2307405-01

Prepared: 07/23/23 Analyzed: 07/26/23

Boron 5.08 0.0100 mg/L 5.00 0.427 93.0 75-125

##### Matrix Spike Dup (BGG0704-MSD1)

Source: 2307405-01

Prepared: 07/23/23 Analyzed: 07/26/23

Boron 5.12 0.0100 mg/L 5.00 0.427 93.9 75-125 0.857 25

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:**

07/27/23 09:08

## 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 BGG0699 - General Preparation

##### Blank (BGG0699-BLK1)

Prepared: 07/23/23 Analyzed: 07/25/23

Calcium	ND	0.0500	mg/L wet
Magnesium	ND	0.0500	"
Sodium	ND	0.0500	"

##### LCS (BGG0699-BS1)

Prepared: 07/23/23 Analyzed: 07/25/23

Calcium	4.62	0.0500	mg/L wet	5.00	92.3	70-130
Magnesium	4.84	0.0500	"	5.00	96.9	70-130
Sodium	4.68	0.0500	"	5.00	93.6	70-130

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:**  
07/27/23 09:08

### 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 BGG0723 - General Preparation

**Duplicate (BGG0723-DUP1)**

**Source: 2307405-01**

**Prepared & Analyzed: 07/24/23**

% Solids	83.4	%		82.0		1.63	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:**

07/27/23 09:08

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

#### Summit Scientific

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

#### Batch BGG0711 - General Preparation

##### Blank (BGG0711-BLK1)

Prepared: 07/23/23 Analyzed: 07/24/23

Specific Conductance (EC)	0.00188	0.0100	mmhos/cm								J
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##### LCS (BGG0711-BS1)

Prepared: 07/23/23 Analyzed: 07/24/23

Specific Conductance (EC)	0.154	0.0100	mmhos/cm	0.150		103	95-105				
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##### Duplicate (BGG0711-DUP1)

Source: 2307405-01

Prepared: 07/23/23 Analyzed: 07/24/23

Specific Conductance (EC)	0.727	0.0100	mmhos/cm		0.742			1.97	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:**  
07/27/23 09:08

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

**Summit Scientific**

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

**Batch BGG0710 - General Preparation**

**LCS (BGG0710-BS1)**

Prepared: 07/23/23 Analyzed: 07/24/23

pH	9.02	pH Units	9.18	98.3	95-105
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**Duplicate (BGG0710-DUP1)**

Source: 2307405-01

Prepared: 07/23/23 Analyzed: 07/24/23

pH	7.90	pH Units	7.88	0.253	20
----	------	----------	------	-------	----

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:**  
07/27/23 09:08

### Notes and Definitions

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



# Summit Scientific

---

4653 Table Mountain Drive, Golden, Colorado 80401

303.277.9310

July 27, 2023

Martin Eckert III

Eagle Environmental Consulting

8000 W 44th Ave

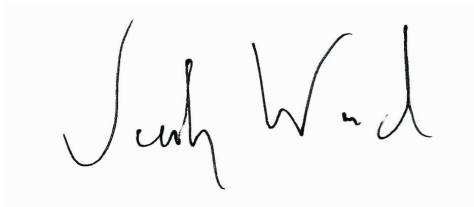
Wheat Ridge, CO 80033

RE: Civitas - Regnier Farms 19H-B268

Work Order # 2307406

Enclosed are the results of analyses for samples received by Summit Scientific on 07/21/23 14:19. 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 style with a large initial "J" and a stylized "W".

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:**  
07/27/23 09:14

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
HA-SS-01@4-5'	2307406-01	Soil	07/21/23 09:10	07/21/23 14:19
HA-SS-01@9-10'	2307406-02	Soil	07/21/23 09:20	07/21/23 14:19
HA-SS-02@4-5'	2307406-03	Soil	07/21/23 09:30	07/21/23 14:19
HA-SS-02@9-10'	2307406-04	Soil	07/21/23 09:40	07/21/23 14:19
HA-SS-03@4-5'	2307406-05	Soil	07/21/23 09:50	07/21/23 14:19
HA-SS-03@9-10'	2307406-06	Soil	07/21/23 10:00	07/21/23 14:19
HA-SS-04@4-5'	2307406-07	Soil	07/21/23 10:10	07/21/23 14:19
HA-SS-04@9-10'	2307406-08	Soil	07/21/23 10:20	07/21/23 14:19
HA-SS-05@4-5'	2307406-09	Soil	07/21/23 10:30	07/21/23 14:19
HA-SS-05@9-10'	2307406-10	Soil	07/21/23 10:40	07/21/23 14:19
HA-SS-06@4-5'	2307406-11	Soil	07/21/23 10:50	07/21/23 14:19
HA-SS-06@9-10'	2307406-12	Soil	07/21/23 11:00	07/21/23 14:19

### Case Narrative

Andrew Newberry canceled 915 Metals for all samples on 7/24/2023.

Summit Scientific

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# SUMMIT SCIENTIFIC

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

Lab ID	Page 1 of 1
2307406	

Client: Eagle Environmental Consulting		Send Data To:		Send Invoice To:	
Address: 8000 W 44th Ave		Project Manager: Martha Eckert III		Company: Civitas	
City/State/Zip: Wheat Ridge, CO 80033		E-Mail: mce3@eagle-enviro.com		Project Name/Location:	
Phone: 303-433-0479		Project Name: Regnier Farms 19H-B268		AFE#:	
Sampler Name: TC		Project Number:		PO/Billing Codes:	
				Contact: Costin	

					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, Naphthalenes, TABs - 8260.D	DRD/ARO - 9015.D	PAHs - 8270.D sim	EC - 9050A	SAR - 2013	P-H 9045.D	Boron - DTPA Se. dited	Table 9/15 metals - 6020.B	Cr VI - 7196A		
1	HA-SS-01 @ 4-5'	7-21-23	0910	2			X			X			X	X	X	X	X	X	X	X	X	X	EC, SAR, pH =
2	HA-SS-01 @ 9-10'		0920																				Subtotal Paste Progs
3	HA-SS-02 @ 4-5'		0930																				
4	HA-SS-02 @ 9-10'		0940																				
5	HA-SS-03 @ 4-5'		0950																				
6	HA-SS-03 @ 9-10'		1000																				
7	HA-SS-04 @ 4-5'		1010																				
8	HA-SS-04 @ 9-10'		1020																				
9	HA-SS-05 @ 4-5'		1030																				
10	HA-SS-05 @ 9-10'		1040																				
11	HA-SS-06 @ 4-5'		1050																				
12	HA-SS-06 @ 9-10'		1100																				
13																							
14																							
15																							

Relinquished by: Trevor Copple	Date/Time: 7-21-23/1418	Received by: John Wad	Date/Time: 7/21/23 14:19	TAT Business Days	Field DO	Notes:
				Same Day <input checked="" type="checkbox"/>	Field EC	
				1 Day	Field ORP	
				2 Days	Field pH	
				3 Days	Field Temp.	
Relinquished by:	Date/Time:	Received by:	Date/Time:	Standard	Field Turb.	
Temperature Upon Receipt: -0.3	Corrected Temperature	IR gun #: 2	HNO3 lot #:			

S<sub>2</sub>

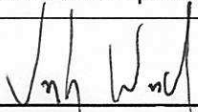
## Sample Receipt Checklist

S2 Work Order# 2307406Client: Eagle Client Project ID: Regnier Farms 194-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) -0.3 Thermometer # Z

	Yes	No	N/A	Comments (if any)
If samples require cooling, is the temperature < 6°C? <sup>(1)</sup> <b>NOTE:</b> 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? <sup>(1)</sup>	<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 <sup>2+</sup> ), Hexavalent Chromium (Cr <sup>6+</sup> , 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? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? <b>If yes, contact client and note in narrative.</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling)? <sup>(1)</sup> Note the type of preservative in the comments column – HCl, H <sub>2</sub> SO <sub>4</sub> , NaOH, HNO <sub>3</sub> , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2? <sup>(1)</sup> Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				

<sup>(1)</sup> If NO, then contact the client before proceeding with analysis and note in case narrative.
  
 Custodian Printed Name

7/21/23 14:19  
 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:**  
07/27/23 09:14

**HA-SS-01@4-5'**  
**2307406-01 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **07/21/23 09:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Benzene	ND	0.0020	0.000098	mg/kg	1	BGG0694	07/21/23	07/21/23	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: **07/21/23 09:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 1,2-Dichloroethane-d4		96.4 %		50-150		"	"	"	"	
Surrogate: Toluene-d8		90.7 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		106 %		50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **07/21/23 09:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
C10-C28 (DRO)	<b>7.0</b>	50	4.3	mg/kg	1	BGG0695	07/21/23	07/21/23	EPA 8015M	J
C28-C36 (ORO)	<b>5.8</b>	50	4.3	"	"	"	"	"	"	J

Date Sampled: **07/21/23 09:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: o-Terphenyl		60.6 %		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:**  
07/27/23 09:14

**HA-SS-01@4-5'**  
**2307406-01 (Soil)**

### Summit Scientific

#### PAH by EPA Method 8270D SIM

Date Sampled: **07/21/23 09:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Acenaphthene	ND	0.00500	0.000620	mg/kg	1	BGG0726	07/24/23	07/24/23	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: **07/21/23 09:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 2-Methylnaphthalene-d10		45.6 %		40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		43.1 %		40-150		"	"	"	"	

#### Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **07/21/23 09:10**

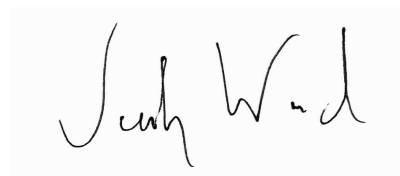
Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
<b>Boron</b>	<b>0.491</b>	0.0100	0.00690	mg/L	1	BGG0704	07/23/23	07/26/23	EPA 6020B	

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

Date Sampled: **07/21/23 09:10**

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

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:**  
07/27/23 09:14

**HA-SS-01@4-5'**  
**2307406-01 (Soil)**

**Summit Scientific**

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

Calcium	28.0	0.0590	mg/L dry	1	BGG0699	07/23/23	07/25/23	EPA 6020B
Magnesium	15.8	0.0590	"	"	"	"	"	"
Sodium	41.8	0.0590	"	"	"	"	"	"

**Calculated Analysis**

Date Sampled: **07/21/23 09:10**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.57	0.00100		units	1	BGG0877	07/26/23	07/26/23	Calculation	

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

Date Sampled: **07/21/23 09:10**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	84.7			%	1	BGG0723	07/24/23	07/24/23	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **07/21/23 09:10**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.665	0.0100	0.00100	mmhos/cm	1	BGG0711	07/23/23	07/24/23	EPA 120.1	

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

Date Sampled: **07/21/23 09:10**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.90			pH Units	1	BGG0710	07/23/23	07/24/23	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:**  
07/27/23 09:14

**HA-SS-01@9-10'**  
**2307406-02 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **07/21/23 09:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Benzene	ND	0.0020	0.000098	mg/kg	1	BGG0694	07/21/23	07/21/23	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: **07/21/23 09:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 1,2-Dichloroethane-d4		96.8 %		50-150		"	"	"	"	
Surrogate: Toluene-d8		91.6 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %		50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **07/21/23 09:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
C10-C28 (DRO)	7.1	50	4.3	mg/kg	1	BGG0695	07/21/23	07/21/23	EPA 8015M	J
C28-C36 (ORO)	5.6	50	4.3	"	"	"	"	"	"	J

Date Sampled: **07/21/23 09:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: o-Terphenyl		56.6 %		30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

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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:**

07/27/23 09:14

**HA-SS-01@9-10'**

**2307406-02 (Soil)**

### Summit Scientific

#### PAH by EPA Method 8270D SIM

Date Sampled: **07/21/23 09:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Acenaphthene	ND	0.00500	0.000620	mg/kg	1	BGG0726	07/24/23	07/24/23	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: **07/21/23 09:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 2-Methylnaphthalene-d10		57.6 %		40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		56.9 %		40-150		"	"	"	"	

#### Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **07/21/23 09:20**


Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
<b>Boron</b>	<b>0.439</b>	0.0100	0.00690	mg/L	1	BGG0704	07/23/23	07/26/23	EPA 6020B	

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

Date Sampled: **07/21/23 09:20**

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:**  
07/27/23 09:14

**HA-SS-01@9-10'**  
**2307406-02 (Soil)**

**Summit Scientific**

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

Calcium	40.8	0.0611	mg/L dry	1	BGG0699	07/23/23	07/25/23	EPA 6020B
Magnesium	26.3	0.0611	"	"	"	"	"	"
Sodium	57.7	0.0611	"	"	"	"	"	"

**Calculated Analysis**

Date Sampled: **07/21/23 09:20**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.73	0.00100		units	1	BGG0877	07/26/23	07/26/23	Calculation	

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

Date Sampled: **07/21/23 09:20**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	81.8			%	1	BGG0723	07/24/23	07/24/23	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **07/21/23 09:20**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.15	0.0100	0.00100	mmhos/cm	1	BGG0711	07/23/23	07/24/23	EPA 120.1	

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

Date Sampled: **07/21/23 09:20**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.82			pH Units	1	BGG0710	07/23/23	07/24/23	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:**  
07/27/23 09:14

**HA-SS-02@4-5'**  
**2307406-03 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **07/21/23 09:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Benzene	ND	0.0020	0.000098	mg/kg	1	BGG0694	07/21/23	07/21/23	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: **07/21/23 09:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 1,2-Dichloroethane-d4		88.0 %		50-150		"	"	"	"	
Surrogate: Toluene-d8		88.1 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		106 %		50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **07/21/23 09:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
C10-C28 (DRO)	7.0	50	4.3	mg/kg	1	BGG0695	07/21/23	07/21/23	EPA 8015M	J
C28-C36 (ORO)	5.4	50	4.3	"	"	"	"	"	"	J

Date Sampled: **07/21/23 09:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: o-Terphenyl		54.1 %		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:**  
07/27/23 09:14

**HA-SS-02@4-5'**  
**2307406-03 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **07/21/23 09:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Acenaphthene	ND	0.00500	0.000620	mg/kg	1	BGG0726	07/24/23	07/24/23	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: **07/21/23 09:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 2-Methylnaphthalene-d10		41.4 %		40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		46.5 %		40-150		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **07/21/23 09:30**

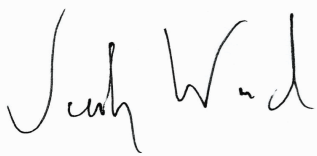
Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
<b>Boron</b>	<b>0.372</b>	0.0100	0.00690	mg/L	1	BGG0704	07/23/23	07/26/23	EPA 6020B	

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

Date Sampled: **07/21/23 09:30**

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:**  
07/27/23 09:14

**HA-SS-02@4-5'**  
**2307406-03 (Soil)**

**Summit Scientific**

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

Calcium	47.9	0.0606	mg/L dry	1	BGG0699	07/23/23	07/25/23	EPA 6020B
Magnesium	20.5	0.0606	"	"	"	"	"	"
Sodium	69.6	0.0606	"	"	"	"	"	"

**Calculated Analysis**

Date Sampled: **07/21/23 09:30**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	2.12	0.00100		units	1	BGG0877	07/26/23	07/26/23	Calculation	

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

Date Sampled: **07/21/23 09:30**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	82.5			%	1	BGG0723	07/24/23	07/24/23	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **07/21/23 09:30**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.837	0.0100	0.00100	mmhos/cm	1	BGG0711	07/23/23	07/24/23	EPA 120.1	

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

Date Sampled: **07/21/23 09:30**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.87			pH Units	1	BGG0710	07/23/23	07/24/23	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:**  
07/27/23 09:14

**HA-SS-02@9-10'**  
**2307406-04 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **07/21/23 09:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Benzene	ND	0.0020	0.000098	mg/kg	1	BGG0694	07/21/23	07/21/23	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: **07/21/23 09:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 1,2-Dichloroethane-d4		67.1 %		50-150		"	"	"	"	
Surrogate: Toluene-d8		88.4 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %		50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **07/21/23 09:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
C10-C28 (DRO)	7.4	50	4.3	mg/kg	1	BGG0695	07/21/23	07/21/23	EPA 8015M	J
C28-C36 (ORO)	5.3	50	4.3	"	"	"	"	"	"	J

Date Sampled: **07/21/23 09:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: o-Terphenyl		52.3 %		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:**

07/27/23 09:14

**HA-SS-02@9-10'**

**2307406-04 (Soil)**

### Summit Scientific

#### PAH by EPA Method 8270D SIM

Date Sampled: **07/21/23 09:40**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	0.000620	mg/kg	1	BGG0726	07/24/23	07/24/23	EPA 8270D SIM	
Anthracene	ND	0.00500	0.000308	"	"	"	"	"	"	
<b>Benzo (a) anthracene</b>	<b>0.00244</b>	0.00500	0.000363	"	"	"	"	"	"	J
<b>Benzo (a) pyrene</b>	<b>0.00450</b>	0.00500	0.000234	"	"	"	"	"	"	J
<b>Benzo (b) fluoranthene</b>	<b>0.00400</b>	0.00500	0.000433	"	"	"	"	"	"	J
<b>Benzo (k) fluoranthene</b>	<b>0.00171</b>	0.00500	0.000423	"	"	"	"	"	"	J
<b>Chrysene</b>	<b>0.00252</b>	0.00500	0.000237	"	"	"	"	"	"	J
Dibenz (a,h) anthracene	ND	0.00500	0.00167	"	"	"	"	"	"	
<b>Fluoranthene</b>	<b>0.00499</b>	0.00500	0.000373	"	"	"	"	"	"	J
Fluorene	ND	0.00500	0.000477	"	"	"	"	"	"	
<b>Indeno (1,2,3-cd) pyrene</b>	<b>0.00250</b>	0.00500	0.00118	"	"	"	"	"	"	J
<b>Pyrene</b>	<b>0.00391</b>	0.00500	0.000317	"	"	"	"	"	"	J
1-Methylnaphthalene	ND	0.00500	0.00185	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	0.00189	"	"	"	"	"	"	

Date Sampled: **07/21/23 09:40**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10		51.5 %		40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		57.3 %		40-150		"	"	"	"	

#### Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **07/21/23 09:40**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Boron</b>	<b>0.968</b>	0.0100	0.00690	mg/L	1	BGG0704	07/23/23	07/26/23	EPA 6020B	

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

Date Sampled: **07/21/23 09:40**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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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:**  
07/27/23 09:14

**HA-SS-02@9-10'**  
**2307406-04 (Soil)**

**Summit Scientific**

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

Calcium	51.7	0.0616	mg/L dry	1	BGG0699	07/23/23	07/25/23	EPA 6020B
Magnesium	43.9	0.0616	"	"	"	"	"	"
Sodium	57.7	0.0616	"	"	"	"	"	"

**Calculated Analysis**

Date Sampled: **07/21/23 09:40**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.43	0.00100		units	1	BGG0877	07/26/23	07/26/23	Calculation	

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

Date Sampled: **07/21/23 09:40**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	81.2			%	1	BGG0723	07/24/23	07/24/23	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **07/21/23 09:40**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.28	0.0100	0.00100	mmhos/cm	1	BGG0711	07/23/23	07/24/23	EPA 120.1	

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

Date Sampled: **07/21/23 09:40**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.91			pH Units	1	BGG0710	07/23/23	07/24/23	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:**  
07/27/23 09:14

**HA-SS-03@4-5'**  
**2307406-05 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **07/21/23 09:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Benzene	ND	0.0020	0.000098	mg/kg	1	BGG0694	07/21/23	07/21/23	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: **07/21/23 09:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 1,2-Dichloroethane-d4		90.4 %		50-150		"	"	"	"	
Surrogate: Toluene-d8		89.0 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %		50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **07/21/23 09:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
C10-C28 (DRO)	7.9	50	4.3	mg/kg	1	BGG0695	07/21/23	07/21/23	EPA 8015M	J
C28-C36 (ORO)	5.0	50	4.3	"	"	"	"	"	"	J

Date Sampled: **07/21/23 09:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: o-Terphenyl		56.9 %		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:**

07/27/23 09:14

**HA-SS-03@4-5'**

**2307406-05 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **07/21/23 09:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Acenaphthene	ND	0.00500	0.000620	mg/kg	1	BGG0726	07/24/23	07/24/23	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: **07/21/23 09:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 2-Methylnaphthalene-d10		58.2 %		40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		56.9 %		40-150		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **07/21/23 09:50**


Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
<b>Boron</b>	<b>0.385</b>	0.0100	0.00690	mg/L	1	BGG0704	07/23/23	07/26/23	EPA 6020B	

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

Date Sampled: **07/21/23 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:**  
07/27/23 09:14

**HA-SS-03@4-5'**  
**2307406-05 (Soil)**

**Summit Scientific**

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

Calcium	33.9	0.0615	mg/L dry	1	BGG0699	07/23/23	07/25/23	EPA 6020B
Magnesium	22.2	0.0615	"	"	"	"	"	"
Sodium	20.3	0.0615	"	"	"	"	"	"

**Calculated Analysis**

Date Sampled: **07/21/23 09:50**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.666	0.00100		units	1	BGG0877	07/26/23	07/26/23	Calculation	

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

Date Sampled: **07/21/23 09:50**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	81.2			%	1	BGG0723	07/24/23	07/24/23	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **07/21/23 09:50**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.582	0.0100	0.00100	mmhos/cm	1	BGG0711	07/23/23	07/24/23	EPA 120.1	

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

Date Sampled: **07/21/23 09:50**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.76			pH Units	1	BGG0710	07/23/23	07/24/23	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:**  
07/27/23 09:14

**HA-SS-03@9-10'**  
**2307406-06 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **07/21/23 10:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Benzene	ND	0.0020	0.000098	mg/kg	1	BGG0694	07/21/23	07/21/23	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: **07/21/23 10:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 1,2-Dichloroethane-d4		89.5 %		50-150		"	"	"	"	
Surrogate: Toluene-d8		87.8 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %		50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **07/21/23 10:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
C10-C28 (DRO)	7.8	50	4.3	mg/kg	1	BGG0695	07/21/23	07/21/23	EPA 8015M	J
C28-C36 (ORO)	4.9	50	4.3	"	"	"	"	"	"	J

Date Sampled: **07/21/23 10:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: o-Terphenyl		74.7 %		30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

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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:**  
07/27/23 09:14

**HA-SS-03@9-10'**  
**2307406-06 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **07/21/23 10:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Acenaphthene	ND	0.00500	0.000620	mg/kg	1	BGG0726	07/24/23	07/24/23	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: **07/21/23 10:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 2-Methylnaphthalene-d10		49.7 %		40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		61.2 %		40-150		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **07/21/23 10:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Boron	0.275	0.0100	0.00690	mg/L	1	BGG0704	07/23/23	07/26/23	EPA 6020B	

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

Date Sampled: **07/21/23 10:00**

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:**  
07/27/23 09:14

**HA-SS-03@9-10'**  
**2307406-06 (Soil)**

**Summit Scientific**

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

Calcium	28.3	0.0589	mg/L dry	1	BGG0699	07/23/23	07/25/23	EPA 6020B
Magnesium	12.1	0.0589	"	"	"	"	"	"
Sodium	11.1	0.0589	"	"	"	"	"	"

**Calculated Analysis**

Date Sampled: **07/21/23 10:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.440	0.00100		units	1	BGG0877	07/26/23	07/26/23	Calculation	

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

Date Sampled: **07/21/23 10:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	84.9			%	1	BGG0723	07/24/23	07/24/23	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **07/21/23 10:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.389	0.0100	0.00100	mmhos/cm	1	BGG0711	07/23/23	07/24/23	EPA 120.1	

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

Date Sampled: **07/21/23 10:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.88			pH Units	1	BGG0710	07/23/23	07/24/23	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:**  
07/27/23 09:14

**HA-SS-04@4-5'**  
**2307406-07 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **07/21/23 10:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Benzene	ND	0.0020	0.000098	mg/kg	1	BGG0694	07/21/23	07/21/23	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: **07/21/23 10:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 1,2-Dichloroethane-d4		92.0 %		50-150		"	"	"	"	
Surrogate: Toluene-d8		89.0 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %		50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **07/21/23 10:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
C10-C28 (DRO)	7.5	50	4.3	mg/kg	1	BGG0695	07/21/23	07/21/23	EPA 8015M	J
C28-C36 (ORO)	5.0	50	4.3	"	"	"	"	"	"	J

Date Sampled: **07/21/23 10:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: o-Terphenyl		73.9 %		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:**  
07/27/23 09:14

**HA-SS-04@4-5'**  
**2307406-07 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **07/21/23 10:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Acenaphthene	ND	0.00500	0.000620	mg/kg	1	BGG0726	07/24/23	07/24/23	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: **07/21/23 10:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 2-Methylnaphthalene-d10		52.2 %		40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		60.8 %		40-150		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **07/21/23 10:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Boron	<b>0.344</b>	0.0100	0.00690	mg/L	1	BGG0704	07/23/23	07/26/23	EPA 6020B	

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

Date Sampled: **07/21/23 10:10**

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:**  
07/27/23 09:14

**HA-SS-04@4-5'**  
**2307406-07 (Soil)**

**Summit Scientific**

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

Calcium	24.1	0.0585	mg/L dry	1	BGG0699	07/23/23	07/25/23	EPA 6020B
Magnesium	13.2	0.0585	"	"	"	"	"	"
Sodium	42.7	0.0585	"	"	"	"	"	"

**Calculated Analysis**

Date Sampled: **07/21/23 10:10**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.74	0.00100		units	1	BGG0877	07/26/23	07/26/23	Calculation	

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

Date Sampled: **07/21/23 10:10**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	85.4			%	1	BGG0723	07/24/23	07/24/23	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **07/21/23 10:10**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.794	0.0100	0.00100	mmhos/cm	1	BGG0711	07/23/23	07/24/23	EPA 120.1	

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

Date Sampled: **07/21/23 10:10**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.93			pH Units	1	BGG0710	07/23/23	07/24/23	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:**  
07/27/23 09:14

**HA-SS-04@9-10'**  
**2307406-08 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **07/21/23 10:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Benzene	ND	0.0020	0.000098	mg/kg	1	BGG0694	07/21/23	07/21/23	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: **07/21/23 10:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 1,2-Dichloroethane-d4		87.5 %		50-150		"	"	"	"	
Surrogate: Toluene-d8		87.4 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %		50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **07/21/23 10:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
C10-C28 (DRO)	7.3	50	4.3	mg/kg	1	BGG0695	07/21/23	07/21/23	EPA 8015M	J
C28-C36 (ORO)	5.0	50	4.3	"	"	"	"	"	"	J

Date Sampled: **07/21/23 10:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: o-Terphenyl		81.6 %		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:**

07/27/23 09:14

**HA-SS-04@9-10'**

**2307406-08 (Soil)**

### Summit Scientific

#### PAH by EPA Method 8270D SIM

Date Sampled: **07/21/23 10:20**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	0.000620	mg/kg	1	BGG0726	07/24/23	07/24/23	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: **07/21/23 10:20**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10		50.5 %		40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		60.8 %		40-150		"	"	"	"	

#### Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **07/21/23 10:20**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Boron</b>	<b>1.11</b>	0.0100	0.00690	mg/L	1	BGG0704	07/23/23	07/26/23	EPA 6020B	

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

Date Sampled: **07/21/23 10:20**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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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:**  
07/27/23 09:14

**HA-SS-04@9-10'**  
**2307406-08 (Soil)**

**Summit Scientific**

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

Calcium	70.4	0.0634	mg/L dry	1	BGG0699	07/23/23	07/25/23	EPA 6020B
Magnesium	97.1	0.0634	"	"	"	"	"	"
Sodium	126	0.0634	"	"	"	"	"	"

**Calculated Analysis**

Date Sampled: **07/21/23 10:20**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	2.29	0.00100		units	1	BGG0877	07/26/23	07/26/23	Calculation	

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

Date Sampled: **07/21/23 10:20**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	78.9			%	1	BGG0723	07/24/23	07/24/23	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **07/21/23 10:20**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	2.69	0.0100	0.00100	mmhos/cm	1	BGG0711	07/23/23	07/24/23	EPA 120.1	

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

Date Sampled: **07/21/23 10:20**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.77			pH Units	1	BGG0710	07/23/23	07/24/23	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:**  
07/27/23 09:14

**HA-SS-05@4-5'**  
**2307406-09 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **07/21/23 10:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Benzene	ND	0.0020	0.000098	mg/kg	1	BGG0694	07/21/23	07/21/23	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: **07/21/23 10:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 1,2-Dichloroethane-d4		88.1 %		50-150		"	"	"	"	
Surrogate: Toluene-d8		89.5 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %		50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **07/21/23 10:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
C10-C28 (DRO)	<b>7.8</b>	50	4.3	mg/kg	1	BGG0695	07/21/23	07/21/23	EPA 8015M	J
C28-C36 (ORO)	<b>5.4</b>	50	4.3	"	"	"	"	"	"	J

Date Sampled: **07/21/23 10:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: o-Terphenyl		83.8 %		30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

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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:**

07/27/23 09:14

**HA-SS-05@4-5'**

**2307406-09 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **07/21/23 10:30**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	0.000620	mg/kg	1	BGG0726	07/24/23	07/24/23	EPA 8270D SIM	
Anthracene	ND	0.00500	0.000308	"	"	"	"	"	"	
<b>Benzo (a) anthracene</b>	<b>0.00123</b>	0.00500	0.000363	"	"	"	"	"	"	J
<b>Benzo (a) pyrene</b>	<b>0.00315</b>	0.00500	0.000234	"	"	"	"	"	"	J
<b>Benzo (b) fluoranthene</b>	<b>0.00214</b>	0.00500	0.000433	"	"	"	"	"	"	J
<b>Benzo (k) fluoranthene</b>	<b>0.000897</b>	0.00500	0.000423	"	"	"	"	"	"	J
<b>Chrysene</b>	<b>0.000766</b>	0.00500	0.000237	"	"	"	"	"	"	J
Dibenz (a,h) anthracene	ND	0.00500	0.00167	"	"	"	"	"	"	
<b>Fluoranthene</b>	<b>0.00262</b>	0.00500	0.000373	"	"	"	"	"	"	J
Fluorene	ND	0.00500	0.000477	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	0.00118	"	"	"	"	"	"	
<b>Pyrene</b>	<b>0.00169</b>	0.00500	0.000317	"	"	"	"	"	"	J
1-Methylnaphthalene	ND	0.00500	0.00185	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	0.00189	"	"	"	"	"	"	

Date Sampled: **07/21/23 10:30**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10		48.5 %		40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		53.7 %		40-150		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **07/21/23 10:30**

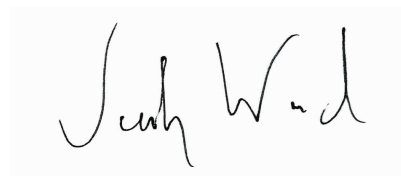
Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Boron</b>	<b>0.514</b>	0.0100	0.00690	mg/L	1	BGG0704	07/23/23	07/26/23	EPA 6020B	

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

Date Sampled: **07/21/23 10:30**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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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:**  
07/27/23 09:14

**HA-SS-05@4-5'**  
**2307406-09 (Soil)**

**Summit Scientific**

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

Calcium	24.5	0.0592	mg/L dry	1	BGG0699	07/23/23	07/25/23	EPA 6020B
Magnesium	9.87	0.0592	"	"	"	"	"	"
Sodium	8.84	0.0592	"	"	"	"	"	"

**Calculated Analysis**

Date Sampled: **07/21/23 10:30**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.381	0.00100		units	1	BGG0877	07/26/23	07/26/23	Calculation	

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

Date Sampled: **07/21/23 10:30**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	84.4			%	1	BGG0723	07/24/23	07/24/23	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **07/21/23 10:30**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.325	0.0100	0.00100	mmhos/cm	1	BGG0711	07/23/23	07/24/23	EPA 120.1	

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

Date Sampled: **07/21/23 10:30**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.93			pH Units	1	BGG0710	07/23/23	07/24/23	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:

07/27/23 09:14

**HA-SS-05@9-10'**

**2307406-10 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **07/21/23 10:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Benzene	ND	0.0020	0.000098	mg/kg	1	BGG0694	07/21/23	07/21/23	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: **07/21/23 10:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 1,2-Dichloroethane-d4		86.3 %		50-150		"	"	"	"	
Surrogate: Toluene-d8		89.2 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.5 %		50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **07/21/23 10:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
C10-C28 (DRO)	7.3	50	4.3	mg/kg	1	BGG0695	07/21/23	07/21/23	EPA 8015M	J
C28-C36 (ORO)	5.5	50	4.3	"	"	"	"	"	"	J

Date Sampled: **07/21/23 10:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: o-Terphenyl		86.5 %		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:**

07/27/23 09:14

**HA-SS-05@9-10'**

**2307406-10 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **07/21/23 10:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Acenaphthene	ND	0.00500	0.000620	mg/kg	1	BGG0726	07/24/23	07/24/23	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: **07/21/23 10:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 2-Methylnaphthalene-d10		47.0 %		40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		40.3 %		40-150		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **07/21/23 10:40**


Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
<b>Boron</b>	<b>0.456</b>	0.0100	0.00690	mg/L	1	BGG0704	07/23/23	07/26/23	EPA 6020B	

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

Date Sampled: **07/21/23 10:40**

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:**  
07/27/23 09:14

**HA-SS-05@9-10'**  
**2307406-10 (Soil)**

**Summit Scientific**

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

Calcium	30.6	0.0596	mg/L dry	1	BGG0699	07/23/23	07/25/23	EPA 6020B
Magnesium	14.5	0.0596	"	"	"	"	"	"
Sodium	14.3	0.0596	"	"	"	"	"	"

**Calculated Analysis**

Date Sampled: **07/21/23 10:40**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.533	0.00100		units	1	BGG0877	07/26/23	07/26/23	Calculation	

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

Date Sampled: **07/21/23 10:40**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	83.9			%	1	BGG0723	07/24/23	07/24/23	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **07/21/23 10:40**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.394	0.0100	0.00100	mmhos/cm	1	BGG0711	07/23/23	07/24/23	EPA 120.1	

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

Date Sampled: **07/21/23 10:40**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.87			pH Units	1	BGG0710	07/23/23	07/24/23	EPA 9045D	

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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:**  
07/27/23 09:14

**HA-SS-06@4-5'**  
**2307406-11 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **07/21/23 10:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Benzene	ND	0.0020	0.000098	mg/kg	1	BGG0694	07/21/23	07/21/23	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: **07/21/23 10:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 1,2-Dichloroethane-d4		82.4 %		50-150		"	"	"	"	
Surrogate: Toluene-d8		91.0 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %		50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **07/21/23 10:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
C10-C28 (DRO)	7.6	50	4.3	mg/kg	1	BGG0695	07/21/23	07/21/23	EPA 8015M	J
C28-C36 (ORO)	5.3	50	4.3	"	"	"	"	"	"	J

Date Sampled: **07/21/23 10:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: o-Terphenyl		87.8 %		30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

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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:**

07/27/23 09:14

**HA-SS-06@4-5'**

**2307406-11 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **07/21/23 10:50**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	0.000620	mg/kg	1	BGG0726	07/24/23	07/24/23	EPA 8270D SIM	
Anthracene	ND	0.00500	0.000308	"	"	"	"	"	"	
<b>Benzo (a) anthracene</b>	<b>0.000664</b>	0.00500	0.000363	"	"	"	"	"	"	J
<b>Benzo (a) pyrene</b>	<b>0.00314</b>	0.00500	0.000234	"	"	"	"	"	"	J
<b>Benzo (b) fluoranthene</b>	<b>0.00171</b>	0.00500	0.000433	"	"	"	"	"	"	J
<b>Benzo (k) fluoranthene</b>	<b>0.000868</b>	0.00500	0.000423	"	"	"	"	"	"	J
<b>Chrysene</b>	<b>0.000665</b>	0.00500	0.000237	"	"	"	"	"	"	J
Dibenz (a,h) anthracene	ND	0.00500	0.00167	"	"	"	"	"	"	
<b>Fluoranthene</b>	<b>0.00170</b>	0.00500	0.000373	"	"	"	"	"	"	J
Fluorene	ND	0.00500	0.000477	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	0.00118	"	"	"	"	"	"	
<b>Pyrene</b>	<b>0.00148</b>	0.00500	0.000317	"	"	"	"	"	"	J
1-Methylnaphthalene	ND	0.00500	0.00185	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	0.00189	"	"	"	"	"	"	

Date Sampled: **07/21/23 10:50**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	57.2 %			40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	62.8 %			40-150		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **07/21/23 10:50**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Boron</b>	<b>0.324</b>	0.0100	0.00690	mg/L	1	BGG0704	07/23/23	07/26/23	EPA 6020B	

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

Date Sampled: **07/21/23 10:50**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Wheat Ridge CO, 80033

Project: Civitas - Regnier Farms 19H-B268

Project Number: [none]

Project Manager: Martin Eckert III

**Reported:**  
07/27/23 09:14

**HA-SS-06@4-5'**  
**2307406-11 (Soil)**

**Summit Scientific**

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

Calcium	36.5	0.0580	mg/L dry	1	BGG0699	07/23/23	07/25/23	EPA 6020B
Magnesium	12.4	0.0580	"	"	"	"	"	"
Sodium	42.2	0.0580	"	"	"	"	"	"

**Calculated Analysis**

Date Sampled: **07/21/23 10:50**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.54	0.00100		units	1	BGG0877	07/26/23	07/26/23	Calculation	

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

Date Sampled: **07/21/23 10:50**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	86.2			%	1	BGG0723	07/24/23	07/24/23	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **07/21/23 10:50**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.562	0.0100	0.00100	mmhos/cm	1	BGG0711	07/23/23	07/24/23	EPA 120.1	

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

Date Sampled: **07/21/23 10:50**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.96			pH Units	1	BGG0710	07/23/23	07/24/23	EPA 9045D	

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

**Reported:**  
07/27/23 09:14

**HA-SS-06@9-10'**  
**2307406-12 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **07/21/23 11:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Benzene	ND	0.0020	0.000098	mg/kg	1	BGG0694	07/21/23	07/21/23	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: **07/21/23 11:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 1,2-Dichloroethane-d4		83.6 %		50-150		"	"	"	"	
Surrogate: Toluene-d8		87.9 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %		50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **07/21/23 11:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
C10-C28 (DRO)	7.8	50	4.3	mg/kg	1	BGG0695	07/21/23	07/21/23	EPA 8015M	J
C28-C36 (ORO)	4.9	50	4.3	"	"	"	"	"	"	J

Date Sampled: **07/21/23 11:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: o-Terphenyl		83.6 %		30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

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Project Number: [none]

Project Manager: Martin Eckert III

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07/27/23 09:14

**HA-SS-06@9-10'**  
**2307406-12 (Soil)**

### Summit Scientific

#### PAH by EPA Method 8270D SIM

Date Sampled: **07/21/23 11:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	0.000620	mg/kg	1	BGG0726	07/24/23	07/24/23	EPA 8270D SIM	
Anthracene	ND	0.00500	0.000308	"	"	"	"	"	"	
<b>Benzo (a) anthracene</b>	<b>0.000960</b>	0.00500	0.000363	"	"	"	"	"	"	J
<b>Benzo (a) pyrene</b>	<b>0.00334</b>	0.00500	0.000234	"	"	"	"	"	"	J
<b>Benzo (b) fluoranthene</b>	<b>0.00202</b>	0.00500	0.000433	"	"	"	"	"	"	J
<b>Benzo (k) fluoranthene</b>	<b>0.000922</b>	0.00500	0.000423	"	"	"	"	"	"	J
<b>Chrysene</b>	<b>0.000847</b>	0.00500	0.000237	"	"	"	"	"	"	J
Dibenz (a,h) anthracene	ND	0.00500	0.00167	"	"	"	"	"	"	
<b>Fluoranthene</b>	<b>0.00204</b>	0.00500	0.000373	"	"	"	"	"	"	J
Fluorene	ND	0.00500	0.000477	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	0.00118	"	"	"	"	"	"	
<b>Pyrene</b>	<b>0.00183</b>	0.00500	0.000317	"	"	"	"	"	"	J
1-Methylnaphthalene	ND	0.00500	0.00185	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	0.00189	"	"	"	"	"	"	

Date Sampled: **07/21/23 11:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10		50.0 %		40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		62.3 %		40-150		"	"	"	"	

#### Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **07/21/23 11:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Boron</b>	<b>0.305</b>	0.0100	0.00690	mg/L	1	BGG0704	07/23/23	07/26/23	EPA 6020B	

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

Date Sampled: **07/21/23 11:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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07/27/23 09:14

**HA-SS-06@9-10'**  
**2307406-12 (Soil)**

**Summit Scientific**

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

Calcium	19.9	0.0585	mg/L dry	1	BGG0699	07/23/23	07/25/23	EPA 6020B
Magnesium	10.3	0.0585	"	"	"	"	"	"
Sodium	37.6	0.0585	"	"	"	"	"	"

**Calculated Analysis**

Date Sampled: **07/21/23 11:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.70	0.00100		units	1	BGG0877	07/26/23	07/26/23	Calculation	

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

Date Sampled: **07/21/23 11:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	85.5			%	1	BGG0723	07/24/23	07/24/23	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **07/21/23 11:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.582	0.0100	0.00100	mmhos/cm	1	BGG0711	07/23/23	07/24/23	EPA 120.1	

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

Date Sampled: **07/21/23 11:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.91			pH Units	1	BGG0710	07/23/23	07/24/23	EPA 9045D	

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

**Reported:**  
07/27/23 09:14

## 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 BGG0694 - EPA 5030 Soil MS

##### Blank (BGG0694-BLK1)

Prepared: 07/21/23 Analyzed: 07/22/23

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	0.0321		"	0.0400		80.2	50-150			
Surrogate: Toluene-d8	0.0351		"	0.0400		87.7	50-150			
Surrogate: 4-Bromofluorobenzene	0.0407		"	0.0400		102	50-150			

##### LCS (BGG0694-BS1)

Prepared: 07/21/23 Analyzed: 07/22/23

Benzene	0.184	0.0020	mg/kg	0.200		92.1	70-130			
Toluene	0.189	0.0050	"	0.200		94.4	70-130			
Ethylbenzene	0.235	0.0050	"	0.200		117	70-130			
m,p-Xylene	0.467	0.010	"	0.400		117	70-130			
o-Xylene	0.221	0.0050	"	0.200		110	70-130			
1,2,4-Trimethylbenzene	0.242	0.0050	"	0.200		121	70-130			
1,3,5-Trimethylbenzene	0.243	0.0050	"	0.200		122	70-130			
Naphthalene	0.179	0.0038	"	0.200		89.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0284		"	0.0400		70.9	50-150			
Surrogate: Toluene-d8	0.0350		"	0.0400		87.4	50-150			
Surrogate: 4-Bromofluorobenzene	0.0413		"	0.0400		103	50-150			

##### Matrix Spike (BGG0694-MS1)

Source: 2307406-01

Prepared: 07/21/23 Analyzed: 07/22/23

Benzene	0.182	0.0020	mg/kg	0.200	ND	91.1	70-130			
Toluene	0.184	0.0050	"	0.200	ND	92.1	70-130			
Ethylbenzene	0.231	0.0050	"	0.200	ND	115	70-130			
m,p-Xylene	0.462	0.010	"	0.400	ND	116	70-130			
o-Xylene	0.222	0.0050	"	0.200	ND	111	70-130			
1,2,4-Trimethylbenzene	0.240	0.0050	"	0.200	ND	120	70-130			
1,3,5-Trimethylbenzene	0.243	0.0050	"	0.200	ND	121	70-130			
Naphthalene	0.203	0.0038	"	0.200	ND	102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0301		"	0.0400		75.2	50-150			
Surrogate: Toluene-d8	0.0342		"	0.0400		85.5	50-150			
Surrogate: 4-Bromofluorobenzene	0.0416		"	0.0400		104	50-150			

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07/27/23 09:14

## 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 BGG0694 - EPA 5030 Soil MS

Matrix Spike Dup (BGG0694-MSD1)	Source: 2307406-01			Prepared: 07/21/23 Analyzed: 07/22/23						
Benzene	0.172	0.0020	mg/kg	0.200	ND	85.9	70-130	5.83	30	
Toluene	0.177	0.0050	"	0.200	ND	88.6	70-130	3.89	30	
Ethylbenzene	0.218	0.0050	"	0.200	ND	109	70-130	5.40	30	
m,p-Xylene	0.439	0.010	"	0.400	ND	110	70-130	5.29	30	
o-Xylene	0.211	0.0050	"	0.200	ND	105	70-130	5.23	30	
1,2,4-Trimethylbenzene	0.231	0.0050	"	0.200	ND	115	70-130	3.70	30	
1,3,5-Trimethylbenzene	0.228	0.0050	"	0.200	ND	114	70-130	6.17	30	
Naphthalene	0.195	0.0038	"	0.200	ND	97.6	70-130	4.10	30	
Surrogate: 1,2-Dichloroethane-d4	0.0314		"	0.0400		78.5	50-150			
Surrogate: Toluene-d8	0.0353		"	0.0400		88.2	50-150			
Surrogate: 4-Bromofluorobenzene	0.0424		"	0.0400		106	50-150			

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Project Number: [none]

Project Manager: Martin Eckert III

**Reported:**  
07/27/23 09:14

**Extractable Petroleum Hydrocarbons by 8015 - Quality Control**  
**Summit Scientific**

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

**Batch BGG0695 - EPA 3550A**

**Blank (BGG0695-BLK1)**

Prepared: 07/21/23 Analyzed: 07/22/23

C10-C28 (DRO)	ND	50	mg/kg							
C28-C36 (ORO)	ND	50	"							
Surrogate: o-Terphenyl	11.5		"	12.5		91.8	30-150			

**LCS (BGG0695-BS1)**

Prepared: 07/21/23 Analyzed: 07/22/23

C10-C28 (DRO)	425	50	mg/kg	500		85.0	70-130			
Surrogate: o-Terphenyl	11.1		"	12.5		89.2	30-150			

**Matrix Spike (BGG0695-MS1)**

Source: 2307406-01

Prepared: 07/21/23 Analyzed: 07/22/23

C10-C28 (DRO)	451	50	mg/kg	500	7.00	88.9	70-130			
Surrogate: o-Terphenyl	11.5		"	12.5		91.9	30-150			

**Matrix Spike Dup (BGG0695-MSD1)**

Source: 2307406-01

Prepared: 07/21/23 Analyzed: 07/22/23

C10-C28 (DRO)	460	50	mg/kg	500	7.00	90.5	70-130	1.79	20	
Surrogate: o-Terphenyl	11.4		"	12.5		91.0	30-150			

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

**Reported:**  
07/27/23 09:14

## 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 BGG0726 - EPA 5030 Soil MS

##### Blank (BGG0726-BLK1)

Prepared & Analyzed: 07/24/23

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	0.0440		"	0.0333		132		40-150			
Surrogate: Fluoranthene-d10	0.0257		"	0.0333		77.0		40-150			

##### LCS (BGG0726-BS1)

Prepared & Analyzed: 07/24/23

Acenaphthene	0.0319	0.00500	mg/kg	0.0333		95.6		31-137			
Anthracene	0.0306	0.00500	"	0.0333		91.8		30-120			
Benzo (a) anthracene	0.0279	0.00500	"	0.0333		83.7		30-120			
Benzo (a) pyrene	0.0313	0.00500	"	0.0333		93.9		30-120			
Benzo (b) fluoranthene	0.0313	0.00500	"	0.0333		93.8		30-120			
Benzo (k) fluoranthene	0.0317	0.00500	"	0.0333		95.1		30-120			
Chrysene	0.0321	0.00500	"	0.0333		96.3		30-120			
Dibenz (a,h) anthracene	0.0274	0.00500	"	0.0333		82.3		30-120			
Fluoranthene	0.0320	0.00500	"	0.0333		96.1		30-120			
Fluorene	0.0320	0.00500	"	0.0333		95.9		30-120			
Indeno (1,2,3-cd) pyrene	0.0253	0.00500	"	0.0333		76.0		30-120			
Pyrene	0.0327	0.00500	"	0.0333		98.1		35-142			
1-Methylnaphthalene	0.0328	0.00500	"	0.0333		98.5		35-142			
2-Methylnaphthalene	0.0427	0.00500	"	0.0333		128		35-142			
Surrogate: 2-Methylnaphthalene-d10	0.0322		"	0.0333		96.6		40-150			
Surrogate: Fluoranthene-d10	0.0327		"	0.0333		98.0		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:  
07/27/23 09:14

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 BGG0726 - EPA 5030 Soil MS

Matrix Spike (BGG0726-MS1)			Source: 2307406-01		Prepared & Analyzed: 07/24/23					
Acenaphthene	0.0200	0.00500	mg/kg	0.0333	ND	60.1	31-137			
Anthracene	0.0204	0.00500	"	0.0333	ND	61.2	30-120			
Benzo (a) anthracene	0.0188	0.00500	"	0.0333	ND	56.5	30-120			
Benzo (a) pyrene	0.0218	0.00500	"	0.0333	ND	65.3	30-120			
Benzo (b) fluoranthene	0.0218	0.00500	"	0.0333	ND	65.3	30-120			
Benzo (k) fluoranthene	0.0201	0.00500	"	0.0333	ND	60.2	30-120			
Chrysene	0.0248	0.00500	"	0.0333	ND	74.3	30-120			
Dibenz (a,h) anthracene	0.0149	0.00500	"	0.0333	ND	44.7	30-120			
Fluoranthene	0.0217	0.00500	"	0.0333	ND	65.2	30-120			
Fluorene	0.0205	0.00500	"	0.0333	ND	61.5	30-120			
Indeno (1,2,3-cd) pyrene	0.0195	0.00500	"	0.0333	ND	58.6	30-120			
Pyrene	0.0217	0.00500	"	0.0333	ND	65.1	35-142			
1-Methylnaphthalene	0.0208	0.00500	"	0.0333	ND	62.3	15-130			
2-Methylnaphthalene	0.0256	0.00500	"	0.0333	ND	76.7	15-130			
Surrogate: 2-Methylnaphthalene-d10	0.0194		"	0.0333		58.4	40-150			
Surrogate: Fluoranthene-d10	0.0217		"	0.0333		65.1	40-150			

Matrix Spike Dup (BGG0726-MSD1)			Source: 2307406-01		Prepared & Analyzed: 07/24/23					
Acenaphthene	0.0179	0.00500	mg/kg	0.0333	ND	53.6	31-137	11.4	30	
Anthracene	0.0137	0.00500	"	0.0333	ND	41.0	30-120	39.4	30	QR-02
Benzo (a) anthracene	0.0155	0.00500	"	0.0333	ND	46.4	30-120	19.6	30	
Benzo (a) pyrene	0.0174	0.00500	"	0.0333	ND	52.2	30-120	22.3	30	
Benzo (b) fluoranthene	0.0174	0.00500	"	0.0333	ND	52.1	30-120	22.6	30	
Benzo (k) fluoranthene	0.0174	0.00500	"	0.0333	ND	52.1	30-120	14.4	30	
Chrysene	0.0146	0.00500	"	0.0333	ND	43.7	30-120	51.8	30	QR-02
Dibenz (a,h) anthracene	0.0146	0.00500	"	0.0333	ND	43.9	30-120	1.85	30	
Fluoranthene	0.0149	0.00500	"	0.0333	ND	44.6	30-120	37.5	30	QR-02
Fluorene	0.0189	0.00500	"	0.0333	ND	56.8	30-120	7.89	30	
Indeno (1,2,3-cd) pyrene	0.0167	0.00500	"	0.0333	ND	50.2	30-120	15.5	30	
Pyrene	0.0140	0.00500	"	0.0333	ND	42.0	35-142	43.1	30	QR-02
1-Methylnaphthalene	0.0339	0.00500	"	0.0333	ND	102	15-130	48.0	50	
2-Methylnaphthalene	0.0328	0.00500	"	0.0333	ND	98.3	15-130	24.7	50	
Surrogate: 2-Methylnaphthalene-d10	0.0252		"	0.0333		75.7	40-150			
Surrogate: Fluoranthene-d10	0.0147		"	0.0333		44.0	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:**

07/27/23 09:14

### 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 BGG0704 - EPA 3050B

##### Blank (BGG0704-BLK1)

Prepared: 07/23/23 Analyzed: 07/26/23

Boron ND 0.0100 mg/L

##### LCS (BGG0704-BS1)

Prepared: 07/23/23 Analyzed: 07/26/23

Boron 5.05 0.0100 mg/L 5.00 101 80-120

##### Duplicate (BGG0704-DUP1)

Source: 2307405-01

Prepared: 07/23/23 Analyzed: 07/26/23

Boron 0.475 0.0100 mg/L 0.427 10.7 20

##### Matrix Spike (BGG0704-MS1)

Source: 2307405-01

Prepared: 07/23/23 Analyzed: 07/26/23

Boron 5.08 0.0100 mg/L 5.00 0.427 93.0 75-125

##### Matrix Spike Dup (BGG0704-MSD1)

Source: 2307405-01

Prepared: 07/23/23 Analyzed: 07/26/23

Boron 5.12 0.0100 mg/L 5.00 0.427 93.9 75-125 0.857 25

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:**

07/27/23 09:14

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

### Summit Scientific

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

#### Batch BGG0699 - General Preparation

##### Blank (BGG0699-BLK1)

Prepared: 07/23/23 Analyzed: 07/25/23

Calcium	ND	0.0500	mg/L wet
Magnesium	ND	0.0500	"
Sodium	ND	0.0500	"

##### LCS (BGG0699-BS1)

Prepared: 07/23/23 Analyzed: 07/25/23

Calcium	4.62	0.0500	mg/L wet	5.00	92.3	70-130
Magnesium	4.84	0.0500	"	5.00	96.9	70-130
Sodium	4.68	0.0500	"	5.00	93.6	70-130

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:**

07/27/23 09:14

### 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 BGG0723 - General Preparation

**Duplicate (BGG0723-DUP1)**

**Source: 2307405-01**

**Prepared & Analyzed: 07/24/23**

% Solids	83.4	%		82.0		1.63	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:**

07/27/23 09:14

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

#### Summit Scientific

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

#### Batch BGG0711 - General Preparation

##### Blank (BGG0711-BLK1)

Prepared: 07/23/23 Analyzed: 07/24/23

Specific Conductance (EC)	0.00188	0.0100	mmhos/cm								J
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##### LCS (BGG0711-BS1)

Prepared: 07/23/23 Analyzed: 07/24/23

Specific Conductance (EC)	0.154	0.0100	mmhos/cm	0.150	103	95-105					
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##### Duplicate (BGG0711-DUP1)

Source: 2307405-01

Prepared: 07/23/23 Analyzed: 07/24/23

Specific Conductance (EC)	0.727	0.0100	mmhos/cm		0.742			1.97	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:**  
07/27/23 09:14

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

**Summit Scientific**

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

**Batch BGG0710 - General Preparation**

**LCS (BGG0710-BS1)**

Prepared: 07/23/23 Analyzed: 07/24/23

pH	9.02	pH Units	9.18	98.3	95-105
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**Duplicate (BGG0710-DUP1)**

Source: 2307405-01

Prepared: 07/23/23 Analyzed: 07/24/23

pH	7.90	pH Units	7.88	0.253	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:**  
07/27/23 09:14

### Notes and Definitions

QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
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

# Summit Scientific

---

4653 Table Mountain Drive, Golden, Colorado 80401

303.277.9310

August 15, 2023

Martin Eckert III

Eagle Environmental Consulting

8000 W 44th Ave

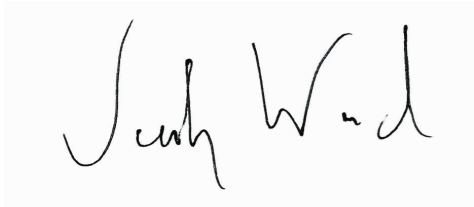
Wheat Ridge, CO 80033

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:**  
08/15/23 08:37

### 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 1 of 1
2307549	

Send Data To:		Send Invoice To:	
Client: Eagle Env. Consulting	Project Manager: Martin Eckert III	Company: Civitas	
Address: 800 W. 44th Ave	E-Mail: mce.3e@eagle-enviro.com	Project Name/Location: Regnier Farms 19H-BZ68	
City/State/Zip: Wheat Ridge, CO 80033		AFE#: C0C82450	
Phone: (303) 433-0479	Project Name: Regnier Farms 19H-BZ68	PO/Billing Codes: 8520.162	
Sampler Name: IM	Project Number:	Contact: Costim McQueen	

					Preservative				Matrix				Analysis Requested								Special Instructions		
ID	Sample Description	Date Sampled	Time Sampled	# of containers	HCl	HNO3	None	Other _____	Water	Soil	Air-Canister #	Other _____	Toluene, ethylbenzene, total xylenes, m-xylene, p-xylene, o-xylene	600-8260D	800-8260D	2-methylpyridine - 8260D SM	Fluorene - 60203	EC - 90524	pH - 9045D	SAR - 203	Boron - DTP4 / Serial #		
1	Ex-SS-01 @ 4'	7/28/23	0946	2			X			X			X	X	X	X	X	X	X	X	X		EC, SAR, pH =
2	Ex-SS-02 @ 4'	↓	0948	↓			↓			↓			↓	↓	↓	↓	↓	↓	↓	↓	↓		Saturated Paste Prep
3	Ex-SS-03 @ 4'		0950																				
4	Ex-SS-04 @ 4'		0952																				
5	Ex-SS-01 @ 5'	↓	0954	↓			↓			↓			↓	↓	↓	↓	↓	↓	↓	↓	↓		
6																							
7																							
8																							
9																							
10																							
11																							
12																							
13																							
14																							
15																							

Relinquished by: <i>John McQueen</i>	Date/Time: 7/28/23 1537	Received by: <i>John Ward</i>	Date/Time: 7/28/23 15:40	TAT Business Days	Field DO	Notes:
Relinquished by:	Date/Time:	Received by:	Date/Time:	Same Day <input checked="" type="checkbox"/>	Field EC	
				1 Day <input type="checkbox"/>	Field ORP	
				2 Days <input type="checkbox"/>	Field pH	
				3 Days <input type="checkbox"/>	Field Temp.	
				Standard <input type="checkbox"/>	Field Turb.	
Temperature Upon Receipt: 1.7	Corrected Temperature	IR gun #: 2	HNO3 lot #:			

S<sub>2</sub>

## Sample Receipt Checklist

S2 Work Order# 2307549Client: Eagle Client Project ID: Regnier Farms 19H-B268Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other ☐ Airbill #: ☐
☒ ☐ ☐ ☐ ☐
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? <sup>(1)</sup> <b>NOTE:</b> 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? <sup>(1)</sup>	<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 <sup>2+</sup> ), Hexavalent Chromium (Cr <sup>6+</sup> , 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? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? <b>If yes, contact client and note in narrative.</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling)? <sup>(1)</sup> Note the type of preservative in the comments column – HCl, H <sub>2</sub> SO <sub>4</sub> , NaOH, HNO <sub>3</sub> , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2? <sup>(1)</sup> Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Additional Comments (if any):

<sup>(1)</sup> If NO, then contact the client before proceeding with analysis and note in case narrative.Shy Wald

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:**  
08/15/23 08:37

**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							
Toluene	ND	0.0050	0.00025	mg/kg	1	BGG0983	07/28/23	07/28/23	EPA 8260B	
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)	ND	50	4.3	mg/kg	1	BGG0982	07/28/23	07/28/23	EPA 8015M	
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**

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:**  
08/15/23 08:37

**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							
Fluorene	ND	0.00500	0.000477	mg/kg	1	BGG0997	07/31/23	07/31/23	EPA 8270D SIM	
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	
Magnesium	7.11	0.0527		"	"	"	"	"	"	
Sodium	508	0.0527		"	"	"	"	"	"	

**Calculated Analysis**

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

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

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

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:**  
08/15/23 08:37

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

**Summit Scientific**

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

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

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
% 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		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
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		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
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:**  
08/15/23 08:37

**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							
Toluene	ND	0.0050	0.00025	mg/kg	1	BGG0983	07/28/23	07/28/23	EPA 8260B	
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)	ND	50	4.3	mg/kg	1	BGG0982	07/28/23	07/28/23	EPA 8015M	
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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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:**  
08/15/23 08:37

**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							
Fluorene	ND	0.00500	0.000477	mg/kg	1	BGG0997	07/31/23	07/31/23	EPA 8270D SIM	
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	<b>0.214</b>	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							
Calcium	<b>90.2</b>	0.0541		mg/L dry	1	BGG1009	07/31/23	08/01/23	EPA 6020B	
Magnesium	<b>60.1</b>	0.0541		"	"	"	"	"	"	
Sodium	<b>89.0</b>	0.0541		"	"	"	"	"	"	

**Calculated Analysis**

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

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

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

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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:**  
08/15/23 08:37

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

**Summit Scientific**

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

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

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

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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:**  
08/15/23 08:37

**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							
Toluene	ND	0.0050	0.00025	mg/kg	1	BGG0983	07/28/23	07/28/23	EPA 8260B	
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)	ND	50	4.3	mg/kg	1	BGG0982	07/28/23	07/28/23	EPA 8015M	
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**

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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:**  
08/15/23 08:37

**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							
Fluorene	ND	0.00500	0.000477	mg/kg	1	BGG0997	07/31/23	07/31/23	EPA 8270D SIM	
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	<b>0.133</b>	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							
Calcium	<b>11.0</b>	0.0522		mg/L dry	1	BGG1009	07/31/23	08/01/23	EPA 6020B	
Magnesium	<b>5.54</b>	0.0522		"	"	"	"	"	"	
Sodium	<b>11.4</b>	0.0522		"	"	"	"	"	"	

**Calculated Analysis**

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

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

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

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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:**  
08/15/23 08:37

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

**Summit Scientific**

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

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

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
% 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		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
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		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
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:**  
08/15/23 08:37

**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							
Toluene	ND	0.0050	0.00025	mg/kg	1	BGG0983	07/28/23	07/28/23	EPA 8260B	
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)	ND	50	4.3	mg/kg	1	BGG0982	07/28/23	07/28/23	EPA 8015M	
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**

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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:**  
08/15/23 08:37

**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							
Fluorene	ND	0.00500	0.000477	mg/kg	1	BGG0997	07/31/23	07/31/23	EPA 8270D SIM	
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							
<b>Boron</b>	<b>0.226</b>	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							
<b>Calcium</b>	<b>132</b>	0.0559		mg/L dry	1	BGG1009	07/31/23	08/01/23	EPA 6020B	
<b>Magnesium</b>	<b>85.8</b>	0.0559		"	"	"	"	"	"	
<b>Sodium</b>	<b>67.8</b>	0.0559		"	"	"	"	"	"	

**Calculated Analysis**

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

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

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

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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:**  
08/15/23 08:37

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

**Summit Scientific**

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

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

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

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:**  
08/15/23 08:37

**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							
Toluene	ND	0.0050	0.00025	mg/kg	1	BGG0983	07/28/23	07/28/23	EPA 8260B	
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)	ND	50	4.3	mg/kg	1	BGG0982	07/28/23	07/28/23	EPA 8015M	
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:**  
08/15/23 08:37

**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							
Fluorene	ND	0.00500	0.000477	mg/kg	1	BGG0997	07/31/23	07/31/23	EPA 8270D SIM	
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							
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		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Sodium Adsorption Ratio	10.9	0.00100		units	1	BGH0076	08/02/23	08/02/23	Calculation	

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

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:**  
08/15/23 08:37

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

**Summit Scientific**

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

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

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
% 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		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
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		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
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:**  
08/15/23 08:37

## 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

Toluene	ND	0.0050	mg/kg							
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

Toluene	0.101	0.0050	mg/kg	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

Toluene	0.101	0.0050	mg/kg	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:**  
08/15/23 08:37

## 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						
Toluene	0.102	0.0050	mg/kg	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:**

08/15/23 08:37

## Extractable Petroleum Hydrocarbons by 8015 - Quality Control

### Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	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			

##### 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:**  
08/15/23 08:37

**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**

**Blank (BGG0997-BLK1)**

Prepared & Analyzed: 07/31/23

Fluorene	ND	0.00500	mg/kg							
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

Fluorene	0.0321	0.00500	mg/kg	0.0333		96.3	30-120			
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			

**Matrix Spike (BGG0997-MS1)**

Source: 2307549-01

Prepared & Analyzed: 07/31/23

Fluorene	0.0238	0.00500	mg/kg	0.0333	ND	71.4	30-120			
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

Fluorene	0.0203	0.00500	mg/kg	0.0333	ND	60.8	30-120	15.9	30	
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:**

08/15/23 08:37

### 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 ND 0.0100 mg/L

##### LCS (BGG1015-BS1)

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

Boron 5.87 0.0100 mg/L 5.00 117 80-120

##### 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

##### 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

##### 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

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:**

08/15/23 08:37

## 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	ND	0.0500	mg/L wet
Magnesium	ND	0.0500	"
Sodium	ND	0.0500	"

##### 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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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:**

08/15/23 08:37

### 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:**

08/15/23 08:37

### 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) ND 0.0100 mmhos/cm

##### LCS (BGH0037-BS1)

Prepared & Analyzed: 08/01/23

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

##### 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

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:**

08/15/23 08:37

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

**Summit Scientific**

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

**Batch BGH0038 - General Preparation**

**LCS (BGH0038-BS1)**

Prepared & Analyzed: 08/01/23

pH	9.35	pH Units	9.18	102	95-105
----	------	----------	------	-----	--------

**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:**  
08/15/23 08:37

### 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.
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



# Summit Scientific

---

4653 Table Mountain Drive, Golden, Colorado 80401

303.277.9310

August 17, 2023

Martin Eckert III

Eagle Environmental Consulting

8000 W 44th Ave

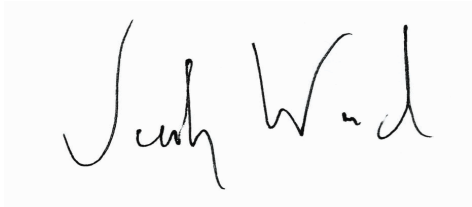
Wheat Ridge, CO 80033

RE: Civitas - Regnier Farms 19H-B268

Work Order # 2308254

Enclosed are the results of analyses for samples received by Summit Scientific on 08/11/23 13:32. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Jacob Wood". The signature is written in a cursive style with a large initial "J" and a stylized "W".

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:**  
08/17/23 12:06

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EX-SS-05@5'	2308254-01	Soil	08/11/23 11:30	08/11/23 13:32
EX-SS-06@5'	2308254-02	Soil	08/11/23 11:35	08/11/23 13:32
EX-FS-02@6'	2308254-03	Soil	08/11/23 11:40	08/11/23 13:32

Summit Scientific

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# SUMMIT SCIENTIFIC

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

Lab ID	Page 1 of 1
2308254	

Client: Eagle Env. Consulting		Send Data To:		Send Invoice To:	
Address: 8000 W. 44th Ave		Project Manager: Martin Eckert III		Company: Civitas	
City/State/Zip: Wheat Ridge, CO 80053		E-Mail: mrc.3e@eagle-env.com		Project Name/Location: Regnier Farms 19H-B268	
Phone: (303) 433-0479		Project Name: Regnier Farms 19H-B268		AFE#: C0082450	
Sampler Name: 1M		Project Number: -		PO/Billing Codes: 8520.162	
				Contact: Costin McQueen	

					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, TEX, Nip, TMS, L-Asp	D20/200 - 8015D	2-methylphenol - 8170D SIM	Fluorene - 6020B	Boron - DTPM/Satlab	EC - 9050A	SAR - 20B	pH - 9015D		
1	EX-SS-05 c5'	8/11/23	1130	2			X			X			X	X	X	X	X	X	X	X	X	EC, SAR, pH =
2	EX-SS-06 c5'	↓	1135	↓			↓			↓			↓	↓	↓	↓	↓	↓	↓	↓	↓	Saturated Pestic Prep
3	EX-FS-02 c6'	↓	1140	↓			↓			↓			↓	↓	↓	↓	↓	↓	↓	↓	↓	(RMDS needed)
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						
13																						
14																						
15																						

Relinquished by: [Signature]	Date/Time: 8/11/23 1330	Received by: [Signature]	Date/Time: 8/11/23 13:32	TAT Business Days	Field DO	Notes:
Relinquished by:	Date/Time:	Received by:	Date/Time:	Same Day	Field EC	
				1 Day	Field ORP	
				2 Days	Field pH	
				3 Days	Field Temp.	
Relinquished by:	Date/Time:	Received by:	Date/Time:	Standard	Field Turb.	
Temperature Upon Receipt: 3.5	Corrected Temperature	IR gun #: 2	HNO3 lot #:			

S<sub>2</sub>

## Sample Receipt Checklist

S2 Work Order# 2308254Client: EagleClient Project ID: Hegner Farms 194-15268Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other ☐Airbill #: ☐
☐ ☐ ☐ ☐ ☐

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? <sup>(1)</sup> <b>NOTE:</b> 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? <sup>(1)</sup>	<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 <sup>2+</sup> ), Hexavalent Chromium (Cr <sup>6+</sup> , 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? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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)? <sup>(1)</sup> Note the type of preservative in the comments column – HCl, H <sub>2</sub> SO <sub>4</sub> , NaOH, HNO <sub>3</sub> , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2? <sup>(1)</sup> Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				
<sup>(1)</sup> If NO, then contact the client before proceeding with analysis and note in case narrative.				

  
 Custodian Printed Name

 8/11/23 13:32  
 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:**  
08/17/23 12:06

**EX-SS-05@5'**  
**2308254-01 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **08/11/23 11:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
<b>Toluene</b>	<b>0.0080</b>	0.0050	0.00025	mg/kg	1	BGH0510	08/11/23	08/12/23	EPA 8260B	
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: **08/11/23 11:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 1,2-Dichloroethane-d4		106 %		50-150		"	"	"	"	
Surrogate: Toluene-d8		99.2 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %		50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **08/11/23 11:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
<b>C10-C28 (DRO)</b>	<b>48</b>	50	4.3	mg/kg	1	BGH0512	08/11/23	08/12/23	EPA 8015M	J
<b>C28-C36 (ORO)</b>	<b>7.3</b>	50	4.3	"	"	"	"	"	"	J

Date Sampled: **08/11/23 11:30**

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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8000 W 44th Ave  
Wheat Ridge CO, 80033

Project: Civitas - Regnier Farms 19H-B268

Project Number: [none]

Project Manager: Martin Eckert III

**Reported:**  
08/17/23 12:06

**EX-SS-05@5'**  
**2308254-01 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **08/11/23 11:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Fluorene	<b>0.00730</b>	0.00500	0.000477	mg/kg	1	BGH0522	08/14/23	08/14/23	EPA 8270D SIM	
2-Methylnaphthalene	<b>0.0811</b>	0.00500	0.00189	"	"	"	"	"	"	

Date Sampled: **08/11/23 11:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 2-Methylnaphthalene-d10		43.0 %		40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		50.0 %		40-150		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **08/11/23 11:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Boron	<b>0.178</b>	0.0100	0.00690	mg/L	1	BGH0526	08/14/23	08/15/23	EPA 6020B	

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

Date Sampled: **08/11/23 11:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Calcium	<b>208</b>	0.0627		mg/L dry	1	BGH0508	08/11/23	08/15/23	EPA 6020B	
Magnesium	<b>53.0</b>	0.0627		"	"	"	"	"	"	
Sodium	<b>2.82</b>	0.0627		"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **08/11/23 11:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Sodium Adsorption Ratio	<b>0.0452</b>	0.00100		units	1	BGH0580	08/15/23	08/15/23	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

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:**  
08/17/23 12:06

**EX-SS-05@5'**  
**2308254-01 (Soil)**

**Summit Scientific**

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **08/11/23 11:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Specific Conductance (EC)	<b>1.90</b>	0.0100	0.00100	mmhos/cm	1	BGH0544	08/14/23	08/14/23	EPA 120.1	

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

Date Sampled: **08/11/23 11:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
<b>pH</b>	<b>7.51</b>			pH Units	1	BGH0543	08/14/23	08/14/23	EPA 9045D	

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:**  
08/17/23 12:06

**EX-SS-06@5'**  
**2308254-02 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **08/11/23 11:35**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Toluene	ND	0.0050	0.00025	mg/kg	1	BGH0510	08/11/23	08/12/23	EPA 8260B	
Ethylbenzene	ND	0.0050	0.00021	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>0.0074</b>	0.010	0.00044	"	"	"	"	"	"	J
1,2,4-Trimethylbenzene	ND	0.0050	0.00024	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	0.00024	"	"	"	"	"	"	
Naphthalene	ND	0.0038	0.00036	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>0.21</b>	0.50		"	"	"	"	"	"	J

Date Sampled: **08/11/23 11:35**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 1,2-Dichloroethane-d4		108 %		50-150		"	"	"	"	
Surrogate: Toluene-d8		98.2 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %		50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **08/11/23 11:35**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
<b>C10-C28 (DRO)</b>	<b>14</b>	50	4.3	mg/kg	1	BGH0512	08/11/23	08/12/23	EPA 8015M	J
C28-C36 (ORO)	ND	50	4.3	"	"	"	"	"	"	

Date Sampled: **08/11/23 11:35**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: o-Terphenyl		92.2 %		30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

Date Sampled: **08/11/23 11:35**

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

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:**  
08/17/23 12:06

**EX-SS-06@5'**  
**2308254-02 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Fluorene	ND	0.00500	0.000477	mg/kg	1	BGH0522	08/14/23	08/14/23	EPA 8270D SIM
2-Methylnaphthalene	ND	0.00500	0.00189	"	"	"	"	"	"

Date Sampled: **08/11/23 11:35**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10		78.7 %		40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		49.1 %		40-150		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **08/11/23 11:35**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	1.41	0.0100	0.00690	mg/L	1	BGH0526	08/14/23	08/15/23	EPA 6020B	

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

Date Sampled: **08/11/23 11:35**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	105	0.0619		mg/L dry	1	BGH0508	08/11/23	08/15/23	EPA 6020B	
Magnesium	29.6	0.0619		"	"	"	"	"	"	
Sodium	20.2	0.0619		"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **08/11/23 11:35**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.449	0.00100		units	1	BGH0580	08/15/23	08/15/23	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **08/11/23 11:35**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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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:**  
08/17/23 12:06

**EX-SS-06@5'**  
**2308254-02 (Soil)**

**Summit Scientific**

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Specific Conductance (EC)	10.9	0.0100	0.00100	mmhos/cm	1	BGH0544	08/14/23	08/14/23	EPA 120.1
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**Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction**

Date Sampled: **08/11/23 11:35**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.20			pH Units	1	BGH0543	08/14/23	08/14/23	EPA 9045D	

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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:**  
08/17/23 12:06

**EX-FS-02@6'**  
**2308254-03 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **08/11/23 11:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
<b>Toluene</b>	<b>0.28</b>	0.0050	0.00025	mg/kg	1	BGH0510	08/11/23	08/12/23	EPA 8260B	
<b>Ethylbenzene</b>	<b>1.2</b>	0.050	0.0021	"	10	"	"	"	"	
<b>Xylenes (total)</b>	<b>3.9</b>	0.10	0.0044	"	"	"	"	"	"	
<b>1,2,4-Trimethylbenzene</b>	<b>2.0</b>	0.050	0.0024	"	"	"	"	"	"	
<b>1,3,5-Trimethylbenzene</b>	<b>1.2</b>	0.050	0.0024	"	"	"	"	"	"	
<b>Naphthalene</b>	<b>0.44</b>	0.0038	0.00036	"	1	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>62</b>	0.50		"	"	"	"	"	"	

Date Sampled: **08/11/23 11:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
<i>Surrogate: 1,2-Dichloroethane-d4</i>		83.3 %		50-150		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		101 %		50-150		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		80.3 %		50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **08/11/23 11:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
<b>C10-C28 (DRO)</b>	<b>14</b>	50	4.3	mg/kg	1	BGH0512	08/11/23	08/12/23	EPA 8015M	J
<b>C28-C36 (ORO)</b>	<b>ND</b>	50	4.3	"	"	"	"	"	"	

Date Sampled: **08/11/23 11:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
<i>Surrogate: o-Terphenyl</i>		88.9 %		30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

Date Sampled: **08/11/23 11:40**

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

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:**  
08/17/23 12:06

**EX-FS-02@6'**  
**2308254-03 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Fluorene	ND	0.00500	0.000477	mg/kg	1	BGH0522	08/14/23	08/14/23	EPA 8270D SIM
2-Methylnaphthalene	ND	0.00500	0.00189	"	"	"	"	"	"

Date Sampled: **08/11/23 11:40**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10		58.6 %		40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		42.3 %		40-150		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **08/11/23 11:40**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	<b>0.404</b>	0.0100	0.00690	mg/L	1	BGH0526	08/14/23	08/15/23	EPA 6020B	

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

Date Sampled: **08/11/23 11:40**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	<b>418</b>	0.0606		mg/L dry	1	BGH0508	08/11/23	08/15/23	EPA 6020B	
Magnesium	<b>63.1</b>	0.0606		"	"	"	"	"	"	
Sodium	<b>2.19</b>	0.0606		"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **08/11/23 11:40**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	<b>0.0264</b>	0.00100		units	1	BGH0580	08/15/23	08/15/23	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **08/11/23 11:40**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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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:**  
08/17/23 12:06

**EX-FS-02@6'**  
**2308254-03 (Soil)**

**Summit Scientific**

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Specific Conductance (EC)	1.23	0.0100	0.00100	mmhos/cm	1	BGH0544	08/14/23	08/14/23	EPA 120.1
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**Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction**

Date Sampled: **08/11/23 11:40**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.16			pH Units	1	BGH0543	08/14/23	08/14/23	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:**  
08/17/23 12:06

## 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 BGH0510 - EPA 5030 Soil MS

##### Blank (BGH0510-BLK1)

Prepared: 08/11/23 Analyzed: 08/14/23

Toluene	ND	0.0050	mg/kg							
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	0.0254		"	0.0400		63.4	50-150			
Surrogate: Toluene-d8	0.0388		"	0.0400		97.0	50-150			
Surrogate: 4-Bromofluorobenzene	0.0376		"	0.0400		93.9	50-150			

##### LCS (BGH0510-BS1)

Prepared: 08/11/23 Analyzed: 08/14/23

Toluene	0.128	0.0050	mg/kg	0.100		128	70-130			
Ethylbenzene	0.129	0.0050	"	0.100		129	70-130			
m,p-Xylene	0.235	0.010	"	0.200		118	70-130			
o-Xylene	0.111	0.0050	"	0.100		111	70-130			
1,2,4-Trimethylbenzene	0.125	0.0050	"	0.100		125	70-130			
1,3,5-Trimethylbenzene	0.117	0.0050	"	0.100		117	70-130			
Naphthalene	0.119	0.0038	"	0.100		119	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0289		"	0.0400		72.3	50-150			
Surrogate: Toluene-d8	0.0394		"	0.0400		98.5	50-150			
Surrogate: 4-Bromofluorobenzene	0.0385		"	0.0400		96.3	50-150			

##### Matrix Spike (BGH0510-MS1)

Source: 2308254-01

Prepared: 08/11/23 Analyzed: 08/14/23

Toluene	0.136	0.0050	mg/kg	0.100	0.00795	128	70-130			
Ethylbenzene	0.0760	0.0050	"	0.100	ND	76.0	70-130			
m,p-Xylene	0.176	0.010	"	0.200	ND	88.2	70-130			
o-Xylene	0.0856	0.0050	"	0.100	ND	85.6	70-130			
1,2,4-Trimethylbenzene	0.0756	0.0050	"	0.100	ND	75.6	70-130			
1,3,5-Trimethylbenzene	0.0964	0.0050	"	0.100	ND	96.4	70-130			
Naphthalene	0.0731	0.0038	"	0.100	ND	73.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0488		"	0.0400		122	50-150			
Surrogate: Toluene-d8	0.0372		"	0.0400		93.1	50-150			
Surrogate: 4-Bromofluorobenzene	0.0404		"	0.0400		101	50-150			

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.



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:**  
08/17/23 12:06

## 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 BGH0510 - EPA 5030 Soil MS

Matrix Spike Dup (BGH0510-MSD1)	Source: 2308254-01			Prepared: 08/11/23 Analyzed: 08/14/23						
Toluene	0.117	0.0050	mg/kg	0.100	0.00795	109	70-130	15.0	30	
Ethylbenzene	0.0765	0.0050	"	0.100	ND	76.5	70-130	0.630	30	
m,p-Xylene	0.191	0.010	"	0.200	ND	95.6	70-130	7.98	30	
o-Xylene	0.0912	0.0050	"	0.100	ND	91.2	70-130	6.41	30	
1,2,4-Trimethylbenzene	0.0740	0.0050	"	0.100	ND	74.0	70-130	2.25	30	
1,3,5-Trimethylbenzene	0.0754	0.0050	"	0.100	ND	75.4	70-130	24.4	30	
Naphthalene	0.0806	0.0038	"	0.100	ND	80.6	70-130	9.68	30	
Surrogate: 1,2-Dichloroethane-d4	0.0498		"	0.0400		125	50-150			
Surrogate: Toluene-d8	0.0364		"	0.0400		90.9	50-150			
Surrogate: 4-Bromofluorobenzene	0.0390		"	0.0400		97.5	50-150			

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.



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:**  
08/17/23 12:06

**Extractable Petroleum Hydrocarbons by 8015 - Quality Control**  
**Summit Scientific**

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

**Batch BGH0512 - EPA 3550A**

**Blank (BGH0512-BLK1)**

Prepared: 08/11/23 Analyzed: 08/12/23

C10-C28 (DRO)	13.7	50	mg/kg							J
C28-C36 (ORO)	ND	50	"							
Surrogate: o-Terphenyl	11.3		"	12.5		90.2	30-150			

**LCS (BGH0512-BS1)**

Prepared: 08/11/23 Analyzed: 08/12/23

C10-C28 (DRO)	487	50	mg/kg	500		97.4	70-130			
Surrogate: o-Terphenyl	9.94		"	12.5		79.5	30-150			

**Matrix Spike (BGH0512-MS1)**

Source: 2308254-01

Prepared: 08/11/23 Analyzed: 08/12/23

C10-C28 (DRO)	491	50	mg/kg	500	47.6	88.7	70-130			
Surrogate: o-Terphenyl	9.69		"	12.5		77.5	30-150			

**Matrix Spike Dup (BGH0512-MSD1)**

Source: 2308254-01

Prepared: 08/11/23 Analyzed: 08/12/23

C10-C28 (DRO)	508	50	mg/kg	500	47.6	92.1	70-130	3.43	20	
Surrogate: o-Terphenyl	10.4		"	12.5		82.9	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:**  
08/17/23 12:06

## 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 BGH0522 - EPA 5030 Soil MS

##### Blank (BGH0522-BLK1)

Prepared & Analyzed: 08/14/23

Fluorene	ND	0.00500	mg/kg								
2-Methylnaphthalene	ND	0.00500	"								
Surrogate: 2-Methylnaphthalene-d10	0.0349		"	0.0333		105		40-150			
Surrogate: Fluoranthene-d10	0.0249		"	0.0333		74.6		40-150			

##### LCS (BGH0522-BS1)

Prepared & Analyzed: 08/14/23

Fluorene	0.0306	0.00500	mg/kg	0.0333		91.8		30-120			
2-Methylnaphthalene	0.0325	0.00500	"	0.0333		97.4		35-142			
Surrogate: 2-Methylnaphthalene-d10	0.0302		"	0.0333		90.6		40-150			
Surrogate: Fluoranthene-d10	0.0272		"	0.0333		81.5		40-150			

##### Matrix Spike (BGH0522-MS1)

Source: 2308253-01

Prepared & Analyzed: 08/14/23

Fluorene	0.0151	0.00500	mg/kg	0.0333	ND	45.4		30-120			
2-Methylnaphthalene	0.0143	0.00500	"	0.0333	ND	43.0		15-130			
Surrogate: 2-Methylnaphthalene-d10	0.0157		"	0.0333		47.1		40-150			
Surrogate: Fluoranthene-d10	0.0134		"	0.0333		40.1		40-150			


##### Matrix Spike Dup (BGH0522-MSD1)

Source: 2308253-01

Prepared & Analyzed: 08/14/23

Fluorene	0.0148	0.00500	mg/kg	0.0333	ND	44.3		30-120	2.56	30	
2-Methylnaphthalene	0.0143	0.00500	"	0.0333	ND	42.8		15-130	0.515	50	
Surrogate: 2-Methylnaphthalene-d10	0.0171		"	0.0333		51.2		40-150			
Surrogate: Fluoranthene-d10	0.0143		"	0.0333		43.0		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:**  
08/17/23 12:06

**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 BGH0526 - EPA 3050B**

**Blank (BGH0526-BLK1)**

Prepared: 08/14/23 Analyzed: 08/15/23

Boron ND 0.0100 mg/L

**LCS (BGH0526-BS1)**

Prepared: 08/14/23 Analyzed: 08/15/23

Boron 5.73 0.0100 mg/L 5.00 115 80-120

**Duplicate (BGH0526-DUP1)**

**Source: 2308166-01**

Prepared: 08/14/23 Analyzed: 08/15/23

Boron 0.107 0.0100 mg/L 0.200 60.1 20 QR-01

**Matrix Spike (BGH0526-MS1)**

**Source: 2308166-01**

Prepared: 08/14/23 Analyzed: 08/15/23

Boron 5.85 0.0100 mg/L 5.00 0.200 113 75-125

**Matrix Spike Dup (BGH0526-MSD1)**

**Source: 2308166-01**

Prepared: 08/14/23 Analyzed: 08/15/23

Boron 5.56 0.0100 mg/L 5.00 0.200 107 75-125 5.01 25

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:**

08/17/23 12:06

## 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 BGH0508 - General Preparation

##### Blank (BGH0508-BLK1)

Prepared: 08/11/23 Analyzed: 08/14/23

Calcium	ND	0.0500	mg/L wet
Magnesium	ND	0.0500	"
Sodium	0.000202	0.0500	"

J

##### LCS (BGH0508-BS1)

Prepared: 08/11/23 Analyzed: 08/14/23

Calcium	5.10	0.0500	mg/L wet	5.00	102	70-130
Magnesium	5.74	0.0500	"	5.00	115	70-130
Sodium	5.99	0.0500	"	5.00	120	70-130

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:**

08/17/23 12:06

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

#### Summit Scientific

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

#### Batch BGH0544 - General Preparation

##### Blank (BGH0544-BLK1)

Prepared & Analyzed: 08/14/23

Specific Conductance (EC)	0.00153	0.0100	mmhos/cm								J
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##### LCS (BGH0544-BS1)

Prepared & Analyzed: 08/14/23

Specific Conductance (EC)	0.154	0.0100	mmhos/cm	0.150	103	95-105					
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##### Duplicate (BGH0544-DUP1)

Source: 2308187-01

Prepared & Analyzed: 08/14/23

Specific Conductance (EC)	0.345	0.0100	mmhos/cm		0.354			2.54	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:**

08/17/23 12:06

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

**Summit Scientific**

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

**Batch BGH0543 - General Preparation**

**LCS (BGH0543-BS1)**

Prepared & Analyzed: 08/14/23

pH	9.01	pH Units	9.18	98.1	95-105
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**Duplicate (BGH0543-DUP1)**

**Source: 2308187-01**

Prepared & Analyzed: 08/14/23

pH	7.43	pH Units	7.40	0.405	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:**  
08/17/23 12:06

### Notes and Definitions

QR-01	Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.
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

# Summit Scientific

---

4653 Table Mountain Drive, Golden, Colorado 80401

303.277.9310

September 08, 2023

Martin Eckert III

Eagle Environmental Consulting

8000 W 44th Ave

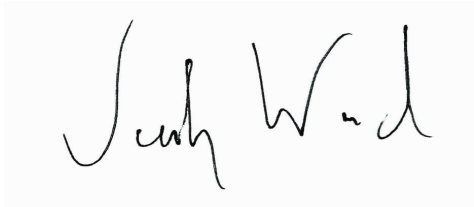
Wheat Ridge, CO 80033

RE: Civitas - Regnier Farms 19H-B268

Work Order # 2308527

Enclosed are the results of analyses for samples received by Summit Scientific on 08/23/23 16:45. 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 the last name "Wood" is written with a large, looped 'W'.

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:**  
09/08/23 12:22

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EX-SS-07@6'	2308527-01	Soil	08/23/23 14:30	08/23/23 16:45
EX-SS-08@6'	2308527-02	Soil	08/23/23 14:35	08/23/23 16:45
EX-SS-09@6'	2308527-03	Soil	08/23/23 14:40	08/23/23 16:45
EX-SS-10@6'	2308527-04	Soil	08/23/23 14:45	08/23/23 16:45
EX-SS-11@6'	2308527-05	Soil	08/23/23 14:50	08/23/23 16:45
EX-SS-12@6'	2308527-06	Soil	08/23/23 14:55	08/23/23 16:45
EX-FS-03@7'	2308527-07	Soil	08/23/23 15:00	08/23/23 16:45
EX-FS-04@7'	2308527-08	Soil	08/23/23 15:05	08/23/23 16:45

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 /
2308527	

Send Data To:		Send Invoice To:	
Client: <i>Eagle Env. Consulting</i>	Project Manager: <i>Martin Eckert III</i>	Company: <i>Civitas</i>	
Address: <i>8000 W. 44th Ave</i>	E-Mail: <i>mce3@eagle-enviro.com</i>	Project Name/Location: <i>Regnier Farms 19H-B268</i>	
City/State/Zip: <i>Wheat Ridge, CO 80033</i>		AFE#:	
Phone: <i>(303) 433-0479</i>	Project Name: <i>Regnier Farms 19H-B268</i>	PO/Billing Codes:	
Sampler Name: <i>TC</i>	Project Number: <i>-</i>	Contact: <i>Costin McQueen</i>	

					Preservative				Matrix				Analysis Requested							Special Instructions	
ID	Sample Description	Date Sampled	Time Sampled	# of containers	HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	TEX, Naph, TMBs, GAO -8760D	NO2/NO3 -2015D	2-Methylphenol, Fluoride -8270D SIM	EC - 9050A	SAR -20B	pH - 9045D	Boron -DTPA / Subc.		
1	EX-SS-07 @ 6'	8-23-23	1430	2			X			X			X	X	X	X	X	X	X		EC, SAR, pH = Saturated Paste Prep
2	EX-SS-08 @ 6'		1435																		
3	EX-SS-09 @ 6'		1440																		
4	EX-SS-10 @ 6'		1445																		ⓈMPLs needed
5	EX-SS-11 @ 6'		1450																		
6	EX-SS-12 @ 6'		1455																		
7	EX-FS-03 @ 7'		1500																		
8	EX-FS-04 @ 7'		1505																		
9																					
10																					
11																					
12																					
13																					
14																					
15																					

Relinquished by: <i>Trevor Copple</i>	Date/Time: <i>8-23-23/1645</i>	Received by: <i>Vah Vah</i>	Date/Time: <i>8/23/23 16:45</i>	TAT Business Days	Field DO	Notes:
				Same Day <input checked="" type="checkbox"/>	Field EC	
				1 Day <input type="checkbox"/>	Field ORP	
				2 Days <input type="checkbox"/>	Field pH	
				3 Days <input type="checkbox"/>	Field Temp.	
Relinquished by:	Date/Time:	Received by:	Date/Time:	Standard <input type="checkbox"/>	Field Turb.	
Temperature Upon Receipt: <i>-0.9</i>	Corrected Temperature	IR gun #: <i>2</i>	HNO3 lot #:			



S<sub>2</sub>

## Sample Receipt Checklist

S2 Work Order# 2308521

Client: Eagle Creek Client Project ID: Regnier FarmsShipped Via: H.D./P.U./FedEx/UPS/USPS/Other ☐ Airbill #: ☐
☒ ☐ ☐ ☐ ☐
Matrix (Check all that apply) Air ☐ Soil/Solid ☒ Water ☐ Other ☐Temp (°C) -0.9 Thermometer # 2

	Yes	No	N/A	Comments (if any)
If samples require cooling, is the temperature < 6°C? <sup>(1)</sup> <b>NOTE:</b> 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? <sup>(1)</sup>	<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 <sup>2+</sup> ), Hexavalent Chromium (Cr <sup>6+</sup> , 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? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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)? <sup>(1)</sup> Note the type of preservative in the comments column – HCl, H <sub>2</sub> SO <sub>4</sub> , NaOH, HNO <sub>3</sub> , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2? <sup>(1)</sup> Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				

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

Vah Wile  
Custodian Printed Name

8/23/23 16:45  
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:**  
09/08/23 12:22

**EX-SS-07@6'**  
**2308527-01 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **08/23/23 14:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Toluene	ND	0.0050	0.00025	mg/kg	1	BGH0957	08/23/23	08/23/23	EPA 8260B	
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: **08/23/23 14:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 1,2-Dichloroethane-d4		135 %		50-150		"	"	"	"	
Surrogate: Toluene-d8		114 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		111 %		50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **08/23/23 14:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
C10-C28 (DRO)	57	50	4.3	mg/kg	1	BGH0956	08/23/23	08/23/23	EPA 8015M	
C28-C36 (ORO)	47	50	4.3	"	"	"	"	"	"	J

Date Sampled: **08/23/23 14:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: o-Terphenyl		120 %		30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

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.



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:**  
09/08/23 12:22

**EX-SS-07@6'**  
**2308527-01 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **08/23/23 14:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Fluorene	ND	0.00500	0.000477	mg/kg	1	BGH0976	08/24/23	08/24/23	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	0.00189	"	"	"	"	"	"	

Date Sampled: **08/23/23 14:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 2-Methylnaphthalene-d10		59.3 %		40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		61.4 %		40-150		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **08/23/23 14:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Boron	<b>0.178</b>	0.0100	0.00690	mg/L	1	BGH0970	08/24/23	08/25/23	EPA 6020B	

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

Date Sampled: **08/23/23 14:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Calcium	<b>26.3</b>	0.0537		mg/L dry	1	BGH0960	08/23/23	08/25/23	EPA 6020B	
Magnesium	<b>6.39</b>	0.0537		"	"	"	"	"	"	
Sodium	<b>7.90</b>	0.0537		"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **08/23/23 14:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Sodium Adsorption Ratio	<b>0.358</b>	0.00100		units	1	BGH1122	08/28/23	08/28/23	Calculation	

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

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:**

09/08/23 12:22

**EX-SS-07@6'**  
**2308527-01 (Soil)**

**Summit Scientific**

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

Date Sampled: **08/23/23 14:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
% Solids	93.1			%	1	BGH0969	08/24/23	08/24/23	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **08/23/23 14:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Specific Conductance (EC)	0.0220	0.0100	0.00100	mmhos/cm	1	BGH0965	08/24/23	08/24/23	EPA 120.1	

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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:**

09/08/23 12:22

**EX-SS-07@6'**

**2308527-01 (Soil)**

**Summit Scientific**

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

Date Sampled: **08/23/23 14:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
<b>pH</b>	<b>8.08</b>			pH Units	1	BGH1226	08/24/23	08/30/23	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:**  
09/08/23 12:22

**EX-SS-08@6'**  
**2308527-02 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **08/23/23 14:35**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Toluene	ND	0.0050	0.00025	mg/kg	1	BGH0957	08/23/23	08/23/23	EPA 8260B	
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: **08/23/23 14:35**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 1,2-Dichloroethane-d4		126 %		50-150		"	"	"	"	
Surrogate: Toluene-d8		116 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		110 %		50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **08/23/23 14:35**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
C10-C28 (DRO)	36	50	4.3	mg/kg	1	BGH0956	08/23/23	08/23/23	EPA 8015M	J
C28-C36 (ORO)	ND	50	4.3	"	"	"	"	"	"	

Date Sampled: **08/23/23 14:35**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: o-Terphenyl		118 %		30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

Date Sampled: **08/23/23 14:35**

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

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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:**  
09/08/23 12:22

**EX-SS-08@6'**  
**2308527-02 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Fluorene	ND	0.00500	0.000477	mg/kg	1	BGH0976	08/24/23	08/24/23	EPA 8270D SIM
2-Methylnaphthalene	ND	0.00500	0.00189	"	"	"	"	"	"

Date Sampled: **08/23/23 14:35**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10		40.1 %		40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		40.6 %		40-150		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **08/23/23 14:35**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	<b>0.121</b>	0.0100	0.00690	mg/L	1	BGH0970	08/24/23	08/25/23	EPA 6020B	

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

Date Sampled: **08/23/23 14:35**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	<b>27.8</b>	0.0538		mg/L dry	1	BGH0960	08/23/23	08/25/23	EPA 6020B	
Magnesium	<b>7.28</b>	0.0538		"	"	"	"	"	"	
Sodium	<b>9.43</b>	0.0538		"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **08/23/23 14:35**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	<b>0.412</b>	0.00100		units	1	BGH1122	08/28/23	08/28/23	Calculation	

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

Date Sampled: **08/23/23 14:35**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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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:**  
09/08/23 12:22

**EX-SS-08@6'**  
**2308527-02 (Soil)**

**Summit Scientific**

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

% Solids	92.9	%	1	BGH0969	08/24/23	08/24/23	Calculation
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**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **08/23/23 14:35**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.245	0.0100	0.00100	mmhos/cm	1	BGH0965	08/24/23	08/24/23	EPA 120.1	

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

Date Sampled: **08/23/23 14:35**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.28			pH Units	1	BGH0966	08/24/23	08/24/23	EPA 9045D	

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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:**  
09/08/23 12:22

**EX-SS-09@6'**  
**2308527-03 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **08/23/23 14:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Toluene	ND	0.0050	0.00025	mg/kg	1	BGH0957	08/23/23	08/23/23	EPA 8260B	
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: **08/23/23 14:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 1,2-Dichloroethane-d4		129 %		50-150		"	"	"	"	
Surrogate: Toluene-d8		115 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		109 %		50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **08/23/23 14:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
C10-C28 (DRO)	38	50	4.3	mg/kg	1	BGH0956	08/23/23	08/23/23	EPA 8015M	J
C28-C36 (ORO)	46	50	4.3	"	"	"	"	"	"	J

Date Sampled: **08/23/23 14:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: o-Terphenyl		120 %		30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

Date Sampled: **08/23/23 14:40**

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

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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:**  
09/08/23 12:22

**EX-SS-09@6'**  
**2308527-03 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Fluorene	ND	0.00500	0.000477	mg/kg	1	BGH0976	08/24/23	08/24/23	EPA 8270D SIM
2-Methylnaphthalene	ND	0.00500	0.00189	"	"	"	"	"	"

Date Sampled: **08/23/23 14:40**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10		57.9 %		40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		57.1 %		40-150		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **08/23/23 14:40**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	<b>0.114</b>	0.0100	0.00690	mg/L	1	BGH0970	08/24/23	08/25/23	EPA 6020B	

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

Date Sampled: **08/23/23 14:40**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	<b>26.4</b>	0.0537		mg/L dry	1	BGH0960	08/23/23	08/25/23	EPA 6020B	
Magnesium	<b>7.01</b>	0.0537		"	"	"	"	"	"	
Sodium	<b>9.29</b>	0.0537		"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **08/23/23 14:40**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	<b>0.415</b>	0.00100		units	1	BGH1122	08/28/23	08/28/23	Calculation	

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

Date Sampled: **08/23/23 14:40**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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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:**  
09/08/23 12:22

**EX-SS-09@6'**  
**2308527-03 (Soil)**

**Summit Scientific**

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

% Solids	93.1	%	1	BGH0969	08/24/23	08/24/23	Calculation
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**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **08/23/23 14:40**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.252	0.0100	0.00100	mmhos/cm	1	BGH0965	08/24/23	08/24/23	EPA 120.1	

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

Date Sampled: **08/23/23 14:40**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.20			pH Units	1	BGH0966	08/24/23	08/24/23	EPA 9045D	

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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:**  
09/08/23 12:22

**EX-SS-10@6'**  
**2308527-04 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **08/23/23 14:45**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Toluene	ND	0.0050	0.00025	mg/kg	1	BGH0957	08/23/23	08/23/23	EPA 8260B	
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: **08/23/23 14:45**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 1,2-Dichloroethane-d4		133 %		50-150		"	"	"	"	
Surrogate: Toluene-d8		118 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %		50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **08/23/23 14:45**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
C10-C28 (DRO)	36	50	4.3	mg/kg	1	BGH0956	08/23/23	08/23/23	EPA 8015M	J
C28-C36 (ORO)	43	50	4.3	"	"	"	"	"	"	J

Date Sampled: **08/23/23 14:45**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: o-Terphenyl		125 %		30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

Date Sampled: **08/23/23 14:45**

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

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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:**  
09/08/23 12:22

**EX-SS-10@6'**  
**2308527-04 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Fluorene	ND	0.00500	0.000477	mg/kg	1	BGH0976	08/24/23	08/24/23	EPA 8270D SIM
2-Methylnaphthalene	ND	0.00500	0.00189	"	"	"	"	"	"

Date Sampled: **08/23/23 14:45**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10		44.6 %		40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		47.0 %		40-150		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **08/23/23 14:45**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.0762	0.0100	0.00690	mg/L	1	BGH0970	08/24/23	08/25/23	EPA 6020B	

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

Date Sampled: **08/23/23 14:45**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	26.0	0.0535		mg/L dry	1	BGH0960	08/23/23	08/25/23	EPA 6020B	
Magnesium	7.02	0.0535		"	"	"	"	"	"	
Sodium	8.42	0.0535		"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **08/23/23 14:45**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.378	0.00100		units	1	BGH1122	08/28/23	08/28/23	Calculation	

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

Date Sampled: **08/23/23 14:45**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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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:**  
09/08/23 12:22

**EX-SS-10@6'**  
**2308527-04 (Soil)**

**Summit Scientific**

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

% Solids	93.4	%	1	BGH0969	08/24/23	08/24/23	Calculation
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**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **08/23/23 14:45**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.229	0.0100	0.00100	mmhos/cm	1	BGH0965	08/24/23	08/24/23	EPA 120.1	

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

Date Sampled: **08/23/23 14:45**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.25			pH Units	1	BGH0966	08/24/23	08/24/23	EPA 9045D	

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:**  
09/08/23 12:22

**EX-SS-11@6'**  
**2308527-05 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **08/23/23 14:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Toluene	ND	0.0050	0.00025	mg/kg	1	BGH0957	08/23/23	08/23/23	EPA 8260B	
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: **08/23/23 14:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 1,2-Dichloroethane-d4		128 %		50-150		"	"	"	"	
Surrogate: Toluene-d8		117 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		111 %		50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **08/23/23 14:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
C10-C28 (DRO)	32	50	4.3	mg/kg	1	BGH0956	08/23/23	08/23/23	EPA 8015M	J
C28-C36 (ORO)	43	50	4.3	"	"	"	"	"	"	J

Date Sampled: **08/23/23 14:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: o-Terphenyl		124 %		30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

Date Sampled: **08/23/23 14:50**

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

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:**  
09/08/23 12:22

**EX-SS-11@6'**  
**2308527-05 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Fluorene	ND	0.00500	0.000477	mg/kg	1	BGH0976	08/24/23	08/24/23	EPA 8270D SIM
2-Methylnaphthalene	ND	0.00500	0.00189	"	"	"	"	"	"

Date Sampled: **08/23/23 14:50**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10		52.0 %		40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		59.9 %		40-150		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **08/23/23 14:50**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	<b>0.198</b>	0.0100	0.00690	mg/L	1	BGH0970	08/24/23	08/25/23	EPA 6020B	

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

Date Sampled: **08/23/23 14:50**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	<b>25.7</b>	0.0535		mg/L dry	1	BGH0960	08/23/23	08/25/23	EPA 6020B	
Magnesium	<b>8.05</b>	0.0535		"	"	"	"	"	"	
Sodium	<b>10.4</b>	0.0535		"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **08/23/23 14:50**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	<b>0.459</b>	0.00100		units	1	BGH1122	08/28/23	08/28/23	Calculation	

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

Date Sampled: **08/23/23 14:50**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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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:**  
09/08/23 12:22

**EX-SS-11@6'**  
**2308527-05 (Soil)**

**Summit Scientific**

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

% Solids	93.4	%	1	BGH0969	08/24/23	08/24/23	Calculation
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**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **08/23/23 14:50**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.284	0.0100	0.00100	mmhos/cm	1	BGH0965	08/24/23	08/24/23	EPA 120.1	

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

Date Sampled: **08/23/23 14:50**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.17			pH Units	1	BGH0966	08/24/23	08/24/23	EPA 9045D	

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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:**  
09/08/23 12:22

**EX-SS-12@6'**  
**2308527-06 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **08/23/23 14:55**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Toluene	ND	0.0050	0.00025	mg/kg	1	BGH0957	08/23/23	08/23/23	EPA 8260B	
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: **08/23/23 14:55**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 1,2-Dichloroethane-d4		136 %		50-150		"	"	"	"	
Surrogate: Toluene-d8		123 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %		50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **08/23/23 14:55**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
C10-C28 (DRO)	34	50	4.3	mg/kg	1	BGH0956	08/23/23	08/23/23	EPA 8015M	J
C28-C36 (ORO)	42	50	4.3	"	"	"	"	"	"	J

Date Sampled: **08/23/23 14:55**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: o-Terphenyl		121 %		30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

Date Sampled: **08/23/23 14:55**

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:**  
09/08/23 12:22

**EX-SS-12@6'**  
**2308527-06 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Fluorene	ND	0.00500	0.000477	mg/kg	1	BGH0976	08/24/23	08/24/23	EPA 8270D SIM
2-Methylnaphthalene	ND	0.00500	0.00189	"	"	"	"	"	"

Date Sampled: **08/23/23 14:55**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10		46.0 %		40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		51.5 %		40-150		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **08/23/23 14:55**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.535	0.0100	0.00690	mg/L	1	BGH0970	08/24/23	08/25/23	EPA 6020B	

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

Date Sampled: **08/23/23 14:55**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	24.2	0.0535		mg/L dry	1	BGH0960	08/23/23	08/25/23	EPA 6020B	
Magnesium	6.99	0.0535		"	"	"	"	"	"	
Sodium	7.76	0.0535		"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **08/23/23 14:55**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.358	0.00100		units	1	BGH1122	08/28/23	08/28/23	Calculation	

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

Date Sampled: **08/23/23 14:55**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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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:**  
09/08/23 12:22

**EX-SS-12@6'**  
**2308527-06 (Soil)**

**Summit Scientific**

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

% Solids	93.4	%	1	BGH0969	08/24/23	08/24/23	Calculation
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**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **08/23/23 14:55**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.0222	0.0100	0.00100	mmhos/cm	1	BGH0965	08/24/23	08/24/23	EPA 120.1	

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

Date Sampled: **08/23/23 14:55**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.26			pH Units	1	BGH0966	08/24/23	08/24/23	EPA 9045D	

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:**  
09/08/23 12:22

**EX-FS-03@7'**  
**2308527-07 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **08/23/23 15:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
<b>Toluene</b>	<b>0.020</b>	0.0050	0.00025	mg/kg	1	BGH0957	08/23/23	08/23/23	EPA 8260B	
Ethylbenzene	ND	0.0050	0.00021	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>0.097</b>	0.010	0.00044	"	"	"	"	"	"	
<b>1,2,4-Trimethylbenzene</b>	<b>0.023</b>	0.0050	0.00024	"	"	"	"	"	"	
<b>1,3,5-Trimethylbenzene</b>	<b>0.022</b>	0.0050	0.00024	"	"	"	"	"	"	
Naphthalene	ND	0.0038	0.00036	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>1.0</b>	0.50		"	"	"	"	"	"	

Date Sampled: **08/23/23 15:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 1,2-Dichloroethane-d4		130 %		50-150		"	"	"	"	
Surrogate: Toluene-d8		106 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		109 %		50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **08/23/23 15:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
<b>C10-C28 (DRO)</b>	<b>29</b>	50	4.3	mg/kg	1	BGH0956	08/23/23	08/23/23	EPA 8015M	J
<b>C28-C36 (ORO)</b>	<b>39</b>	50	4.3	"	"	"	"	"	"	J

Date Sampled: **08/23/23 15:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: o-Terphenyl		123 %		30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

Date Sampled: **08/23/23 15:00**

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:**  
09/08/23 12:22

**EX-FS-03@7'**  
**2308527-07 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Fluorene	ND	0.00500	0.000477	mg/kg	1	BGH0976	08/24/23	08/24/23	EPA 8270D SIM
2-Methylnaphthalene	ND	0.00500	0.00189	"	"	"	"	"	"

Date Sampled: **08/23/23 15:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10		47.6 %		40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		50.4 %		40-150		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **08/23/23 15:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	<b>0.616</b>	0.0100	0.00690	mg/L	1	BGH0970	08/24/23	08/25/23	EPA 6020B	

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

Date Sampled: **08/23/23 15:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	<b>76.8</b>	0.0631		mg/L dry	1	BGH0960	08/23/23	08/25/23	EPA 6020B	
Magnesium	<b>53.1</b>	0.0631		"	"	"	"	"	"	
Sodium	<b>100</b>	0.0631		"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **08/23/23 15:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	<b>2.15</b>	0.00100		units	1	BGH1122	08/28/23	08/28/23	Calculation	

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

Date Sampled: **08/23/23 15:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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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:**  
09/08/23 12:22

**EX-FS-03@7'**  
**2308527-07 (Soil)**

**Summit Scientific**

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

% Solids	79.3	%	1	BGH0969	08/24/23	08/24/23	Calculation
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**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **08/23/23 15:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.18	0.0100	0.00100	mmhos/cm	1	BGH0965	08/24/23	08/24/23	EPA 120.1	

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

Date Sampled: **08/23/23 15:00**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.54			pH Units	1	BGH0966	08/24/23	08/24/23	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:

09/08/23 12:22

**EX-FS-04@7'**  
**2308527-08 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **08/23/23 15:05**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
<b>Toluene</b>	<b>0.95</b>	0.0050	0.00025	mg/kg	1	BGH0957	08/23/23	08/23/23	EPA 8260B	E
<b>Ethylbenzene</b>	<b>0.15</b>	0.0050	0.00021	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>1.5</b>	0.010	0.00044	"	"	"	"	"	"	
<b>1,2,4-Trimethylbenzene</b>	<b>0.37</b>	0.0050	0.00024	"	"	"	"	"	"	
<b>1,3,5-Trimethylbenzene</b>	<b>0.15</b>	0.0050	0.00024	"	"	"	"	"	"	
<b>Naphthalene</b>	<b>0.026</b>	0.0038	0.00036	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>15</b>	0.50		"	"	"	"	"	"	

Date Sampled: **08/23/23 15:05**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
<i>Surrogate: 1,2-Dichloroethane-d4</i>		124 %		50-150		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		89.8 %		50-150		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		114 %		50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **08/23/23 15:05**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
<b>C10-C28 (DRO)</b>	<b>28</b>	50	4.3	mg/kg	1	BGH0956	08/23/23	08/23/23	EPA 8015M	J
<b>C28-C36 (ORO)</b>	<b>39</b>	50	4.3	"	"	"	"	"	"	J

Date Sampled: **08/23/23 15:05**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
<i>Surrogate: o-Terphenyl</i>		121 %		30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

Date Sampled: **08/23/23 15:05**

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

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:**  
09/08/23 12:22

**EX-FS-04@7'**  
**2308527-08 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Fluorene	ND	0.00500	0.000477	mg/kg	1	BGH0976	08/24/23	08/24/23	EPA 8270D SIM
2-Methylnaphthalene	ND	0.00500	0.00189	"	"	"	"	"	"

Date Sampled: **08/23/23 15:05**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10		52.3 %		40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		60.3 %		40-150		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **08/23/23 15:05**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	<b>0.0835</b>	0.0100	0.00690	mg/L	1	BGH0970	08/24/23	08/25/23	EPA 6020B	

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

Date Sampled: **08/23/23 15:05**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	<b>73.7</b>	0.0656		mg/L dry	1	BGH0960	08/23/23	08/25/23	EPA 6020B	
Magnesium	<b>89.0</b>	0.0656		"	"	"	"	"	"	
Sodium	<b>141</b>	0.0656		"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **08/23/23 15:05**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	<b>2.62</b>	0.00100		units	1	BGH1122	08/28/23	08/28/23	Calculation	

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

Date Sampled: **08/23/23 15:05**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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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:**  
09/08/23 12:22

**EX-FS-04@7'**  
**2308527-08 (Soil)**

**Summit Scientific**

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

% Solids	76.2	%	1	BGH0969	08/24/23	08/24/23	Calculation
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**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **08/23/23 15:05**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.48	0.0100	0.00100	mmhos/cm	1	BGH0965	08/24/23	08/24/23	EPA 120.1	

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

Date Sampled: **08/23/23 15:05**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.68			pH Units	1	BGH0966	08/24/23	08/24/23	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:**  
09/08/23 12:22

## 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 BGH0957 - EPA 5030 Soil MS

##### Blank (BGH0957-BLK1)

Prepared: 08/23/23 Analyzed: 08/24/23

Toluene	ND	0.0050	mg/kg							
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	0.0256		"	0.0400		63.9	50-150			
Surrogate: Toluene-d8	0.0385		"	0.0400		96.3	50-150			
Surrogate: 4-Bromofluorobenzene	0.0303		"	0.0400		75.7	50-150			

##### LCS (BGH0957-BS1)

Prepared: 08/23/23 Analyzed: 08/24/23

Toluene	0.0958	0.0050	mg/kg	0.100		95.8	70-130			
Ethylbenzene	0.0913	0.0050	"	0.100		91.3	70-130			
m,p-Xylene	0.170	0.010	"	0.200		85.0	70-130			
o-Xylene	0.0996	0.0050	"	0.100		99.6	70-130			
1,2,4-Trimethylbenzene	0.103	0.0050	"	0.100		103	70-130			
1,3,5-Trimethylbenzene	0.0960	0.0050	"	0.100		96.0	70-130			
Naphthalene	0.122	0.0038	"	0.100		122	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0269		"	0.0400		67.4	50-150			
Surrogate: Toluene-d8	0.0400		"	0.0400		100	50-150			
Surrogate: 4-Bromofluorobenzene	0.0314		"	0.0400		78.5	50-150			

##### Matrix Spike (BGH0957-MS1)

Source: 2308527-01

Prepared: 08/23/23 Analyzed: 08/24/23

Toluene	0.0713	0.0050	mg/kg	0.100	ND	71.3	70-130			
Ethylbenzene	0.0884	0.0050	"	0.100	ND	88.4	70-130			
m,p-Xylene	0.765	0.010	"	0.200	ND	382	70-130			QM-07
o-Xylene	0.206	0.0050	"	0.100	ND	206	70-130			QM-07
1,2,4-Trimethylbenzene	1.13	0.0050	"	0.100	ND	NR	70-130			QM-07
1,3,5-Trimethylbenzene	0.539	0.0050	"	0.100	ND	539	70-130			QM-07
Naphthalene	0.313	0.0038	"	0.100	ND	313	70-130			QM-07
Surrogate: 1,2-Dichloroethane-d4	0.0356		"	0.0400		89.1	50-150			
Surrogate: Toluene-d8	0.0326		"	0.0400		81.6	50-150			
Surrogate: 4-Bromofluorobenzene	0.0952		"	0.0400		238	50-150			S-02

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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:**

09/08/23 12:22

## 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 BGH0957 - EPA 5030 Soil MS

Matrix Spike Dup (BGH0957-MSD1)		Source: 2308527-01			Prepared: 08/23/23 Analyzed: 08/24/23					
Toluene	0.0642	0.0050	mg/kg	0.100	ND	64.2	70-130	10.5	30	QM-07
Ethylbenzene	0.0962	0.0050	"	0.100	ND	96.2	70-130	8.42	30	
m,p-Xylene	1.74	0.010	"	0.200	ND	871	70-130	78.0	30	QM-07
o-Xylene	0.461	0.0050	"	0.100	ND	461	70-130	76.5	30	QM-07
1,2,4-Trimethylbenzene	3.00	0.0050	"	0.100	ND	NR	70-130	90.3	30	QM-07
1,3,5-Trimethylbenzene	1.55	0.0050	"	0.100	ND	NR	70-130	96.9	30	QM-07
Naphthalene	0.481	0.0038	"	0.100	ND	481	70-130	42.3	30	QM-07
<hr/>										
Surrogate: 1,2-Dichloroethane-d4	0.0368		"	0.0400		92.1	50-150			
Surrogate: Toluene-d8	0.0278		"	0.0400		69.4	50-150			
Surrogate: 4-Bromofluorobenzene	0.112		"	0.0400		280	50-150			S-02

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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:**

09/08/23 12:22

## Extractable Petroleum Hydrocarbons by 8015 - Quality Control

### Summit Scientific

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

#### Batch BGH0956 - EPA 3550A

##### Blank (BGH0956-BLK1)

Prepared: 08/23/23 Analyzed: 08/24/23

C10-C28 (DRO)	46.0	50	mg/kg							J
C28-C36 (ORO)	39.0	50	"							J
Surrogate: o-Terphenyl	14.4		"	12.5		115	30-150			

##### LCS (BGH0956-BS1)

Prepared: 08/23/23 Analyzed: 08/24/23

C10-C28 (DRO)	644	50	mg/kg	500		129	70-130			
Surrogate: o-Terphenyl	14.4		"	12.5		116	30-150			

##### Matrix Spike (BGH0956-MS1)

Source: 2308524-01

Prepared: 08/23/23 Analyzed: 08/24/23

C10-C28 (DRO)	602	50	mg/kg	500	14.0	118	70-130			
Surrogate: o-Terphenyl	16.6		"	12.5		133	30-150			

##### Matrix Spike Dup (BGH0956-MSD1)

Source: 2308524-01

Prepared: 08/23/23 Analyzed: 08/24/23

C10-C28 (DRO)	541	50	mg/kg	500	14.0	105	70-130	10.7	20	
Surrogate: o-Terphenyl	16.8		"	12.5		134	30-150			

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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:**  
09/08/23 12:22

## 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 BGH0976 - EPA 5030 Soil MS

##### Blank (BGH0976-BLK1)

Prepared & Analyzed: 08/24/23

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	0.0332		"	0.0333		99.7	40-150			
Surrogate: Fluoranthene-d10	0.0243		"	0.0333		72.8	40-150			

##### LCS (BGH0976-BS1)

Prepared & Analyzed: 08/24/23

Acenaphthene	0.0297	0.00500	mg/kg	0.0333		89.2	31-137			
Anthracene	0.0322	0.00500	"	0.0333		96.6	30-120			
Benzo (a) anthracene	0.0263	0.00500	"	0.0333		78.9	30-120			
Benzo (a) pyrene	0.0314	0.00500	"	0.0333		94.1	30-120			
Benzo (b) fluoranthene	0.0314	0.00500	"	0.0333		94.1	30-120			
Benzo (k) fluoranthene	0.0320	0.00500	"	0.0333		96.0	30-120			
Chrysene	0.0332	0.00500	"	0.0333		99.5	30-120			
Dibenz (a,h) anthracene	0.0373	0.00500	"	0.0333		112	30-120			
Fluoranthene	0.0299	0.00500	"	0.0333		89.6	30-120			
Fluorene	0.0296	0.00500	"	0.0333		88.7	30-120			
Indeno (1,2,3-cd) pyrene	0.0377	0.00500	"	0.0333		113	30-120			
Pyrene	0.0368	0.00500	"	0.0333		110	35-142			
1-Methylnaphthalene	0.0298	0.00500	"	0.0333		89.5	35-142			
2-Methylnaphthalene	0.0347	0.00500	"	0.0333		104	35-142			
Surrogate: 2-Methylnaphthalene-d10	0.0274		"	0.0333		82.2	40-150			
Surrogate: Fluoranthene-d10	0.0282		"	0.0333		84.5	40-150			

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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:**  
09/08/23 12:22

## PAH by EPA Method 8270D SIM - Quality Control

### Summit Scientific

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

#### Batch BGH0976 - EPA 5030 Soil MS

##### Matrix Spike (BGH0976-MS1)

Source: 2308268-01RE1

Prepared & Analyzed: 08/24/23

Acenaphthene	0.0218	0.00500	mg/kg	0.0333	ND	65.4	31-137		
Anthracene	0.0234	0.00500	"	0.0333	ND	70.3	30-120		
Benzo (a) anthracene	0.0226	0.00500	"	0.0333	ND	67.7	30-120		
Benzo (a) pyrene	0.0254	0.00500	"	0.0333	ND	76.1	30-120		
Benzo (b) fluoranthene	0.0250	0.00500	"	0.0333	ND	75.0	30-120		
Benzo (k) fluoranthene	0.0227	0.00500	"	0.0333	ND	68.2	30-120		
Chrysene	0.0235	0.00500	"	0.0333	ND	70.5	30-120		
Dibenz (a,h) anthracene	0.0231	0.00500	"	0.0333	ND	69.3	30-120		
Fluoranthene	0.0249	0.00500	"	0.0333	ND	74.6	30-120		
Fluorene	0.0225	0.00500	"	0.0333	ND	67.6	30-120		
Indeno (1,2,3-cd) pyrene	0.0295	0.00500	"	0.0333	ND	88.6	30-120		
Pyrene	0.0245	0.00500	"	0.0333	ND	73.4	35-142		
1-Methylnaphthalene	0.0254	0.00500	"	0.0333	ND	76.1	15-130		
2-Methylnaphthalene	0.0295	0.00500	"	0.0333	ND	88.4	15-130		
Surrogate: 2-Methylnaphthalene-d10	0.0225		"	0.0333		67.4	40-150		
Surrogate: Fluoranthene-d10	0.0218		"	0.0333		65.5	40-150		

##### Matrix Spike Dup (BGH0976-MSD1)

Source: 2308268-01RE1

Prepared & Analyzed: 08/24/23

Acenaphthene	0.0253	0.00500	mg/kg	0.0333	ND	76.0	31-137	14.9	30
Anthracene	0.0262	0.00500	"	0.0333	ND	78.6	30-120	11.2	30
Benzo (a) anthracene	0.0259	0.00500	"	0.0333	ND	77.7	30-120	13.7	30
Benzo (a) pyrene	0.0279	0.00500	"	0.0333	ND	83.7	30-120	9.42	30
Benzo (b) fluoranthene	0.0291	0.00500	"	0.0333	ND	87.3	30-120	15.2	30
Benzo (k) fluoranthene	0.0279	0.00500	"	0.0333	ND	83.6	30-120	20.3	30
Chrysene	0.0266	0.00500	"	0.0333	ND	79.9	30-120	12.4	30
Dibenz (a,h) anthracene	0.0247	0.00500	"	0.0333	ND	74.2	30-120	6.84	30
Fluoranthene	0.0265	0.00500	"	0.0333	ND	79.4	30-120	6.33	30
Fluorene	0.0260	0.00500	"	0.0333	ND	77.9	30-120	14.1	30
Indeno (1,2,3-cd) pyrene	0.0303	0.00500	"	0.0333	ND	91.0	30-120	2.66	30
Pyrene	0.0253	0.00500	"	0.0333	ND	76.0	35-142	3.58	30
1-Methylnaphthalene	0.0295	0.00500	"	0.0333	ND	88.4	15-130	14.9	50
2-Methylnaphthalene	0.0348	0.00500	"	0.0333	ND	104	15-130	16.6	50
Surrogate: 2-Methylnaphthalene-d10	0.0235		"	0.0333		70.6	40-150		
Surrogate: Fluoranthene-d10	0.0240		"	0.0333		71.9	40-150		

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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:**

09/08/23 12:22

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

#### Summit Scientific

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

#### Batch BGH0970 - EPA 3050B

##### Blank (BGH0970-BLK1)

Prepared: 08/24/23 Analyzed: 08/25/23

Boron ND 0.0100 mg/L

##### LCS (BGH0970-BS1)

Prepared: 08/24/23 Analyzed: 08/25/23

Boron 5.71 0.0100 mg/L 5.00 114 80-120

##### Duplicate (BGH0970-DUP1)

Source: 2308521-03

Prepared: 08/24/23 Analyzed: 08/25/23

Boron ND 0.0100 mg/L 0.0232 200 20 QR-01

##### Matrix Spike (BGH0970-MS1)

Source: 2308521-03

Prepared: 08/24/23 Analyzed: 08/25/23

Boron 6.18 0.0100 mg/L 5.00 0.0232 123 75-125

##### Matrix Spike Dup (BGH0970-MSD1)

Source: 2308521-03

Prepared: 08/24/23 Analyzed: 08/25/23

Boron 5.95 0.0100 mg/L 5.00 0.0232 119 75-125 3.76 25

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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:**

09/08/23 12:22

## 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 BGH0960 - General Preparation

##### Blank (BGH0960-BLK1)

Prepared: 08/23/23 Analyzed: 08/25/23

Calcium	0.0447	0.0500	mg/L wet							J
Magnesium	0.00384	0.0500	"							J
Sodium	0.0226	0.0500	"							J

##### LCS (BGH0960-BS1)

Prepared: 08/23/23 Analyzed: 08/25/23

Calcium	5.59	0.0500	mg/L wet	5.00	112	70-130
Magnesium	5.55	0.0500	"	5.00	111	70-130
Sodium	5.62	0.0500	"	5.00	112	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:**

09/08/23 12:22

### 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 BGH0969 - General Preparation

**Duplicate (BGH0969-DUP1)**

**Source: 2308521-03**

Prepared & Analyzed: 08/24/23

% Solids	80.4	%	80.0	0.412	20
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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:**

09/08/23 12:22

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

#### Summit Scientific

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

#### Batch BGH0965 - General Preparation

##### Blank (BGH0965-BLK1)

Prepared & Analyzed: 08/24/23

Specific Conductance (EC) ND 0.0100 mmhos/cm

##### LCS (BGH0965-BS1)

Prepared & Analyzed: 08/24/23

Specific Conductance (EC) 0.154 0.0100 mmhos/cm 0.150 102 95-105

##### Duplicate (BGH0965-DUP1)

Source: 2308514-07

Prepared & Analyzed: 08/24/23

Specific Conductance (EC) 0.838 0.0100 mmhos/cm 0.838 0.00 20

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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:**

09/08/23 12:22

**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 BGH0966 - General Preparation**

**LCS (BGH0966-BS1)**

Prepared & Analyzed: 08/24/23

pH	9.23	pH Units	9.18	101	95-105
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**Duplicate (BGH0966-DUP1)**

**Source: 2308514-07**

Prepared & Analyzed: 08/24/23

pH	7.02	pH Units	7.02	0.00	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:**  
09/08/23 12:22

### Notes and Definitions

S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
QR-01	Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/LCSD recovery.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.
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

# Summit Scientific

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4653 Table Mountain Drive, Golden, Colorado 80401

303.277.9310

September 18, 2023

Martin Eckert III

Eagle Environmental Consulting

8000 W 44th Ave

Wheat Ridge, CO 80033

RE: Civitas - Regnier Farms 19H-B268

Work Order # 2309058

Enclosed are the results of analyses for samples received by Summit Scientific on 09/06/23 14:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Mikayla Axtell 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:**  
09/18/23 09:17

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EX-FS-05@8'	2309058-01	Soil	09/06/23 12:05	09/06/23 14:15
EX-FS-06@8'	2309058-02	Soil	09/06/23 12:15	09/06/23 14:15

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.*

Client: <u>Eagle Environmental Consulting</u>		Send Data To:		Send Invoice To:	
Address: <u>8000 W 44th Ave</u>		Project Manager: <u>Martin Eckert III</u>		Company: <u>Civitas</u>	
City/State/Zip: <u>Wheat Ridge, CO 80033</u>		E-Mail: <u>mce3@eagle-enviro.com</u>		Project Name/Location:	
Phone: <u>303-433-0479</u>		Project Name: <u>Regnier Farms 19H-B268</u>		AFE#:	
Sampler Name: <u>TC / BB</u>		Project Number: <u>      </u>		PO/Billing Codes:	
				Contact: <u>Costin</u>	

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix			Analysis Requested								Special Instructions
					HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	EC	SAR	pH	EC500A	EC500B	EC500C	EC500D	
1	EX-FS-05 @ 8'	9-6-23	1205	2			X			X			X	X	X	X	X	X	X	EC, SAR, pH =
2	EX-FS-06 @ 8'	9-6-23	1215	2			X			X			X	X	X	X	X	X	X	Saturated Paste Pre
3																				
4																				
5																				MDLs needed
6																				
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				

Relinquished by: <u>Trevor Cossle</u>	Date/Time: <u>9-6-23/1415</u>	Received by: <u>John W. L.</u>	Date/Time: <u>9/6/23 14:15</u>	TAT Business Days	Field DO	Notes:
Relinquished by:	Date/Time:	Received by:	Date/Time:	Same Day <input checked="" type="checkbox"/>	Field EC	
				1 Day	Field ORP	
				2 Days	Field pH	
				3 Days	Field Temp.	
Relinquished by:	Date/Time:	Received by:	Date/Time:	Standard	Field Turb.	
Temperature Upon Receipt: <u>4.6</u>	Corrected Temperature	IR gun #: <u>2</u>	HNO3 lot #:			

S<sub>2</sub>

## Sample Receipt Checklist

S2 Work Order# 2309058

Client: Eagle civitas Client Project ID: Regnier Farms 194-0268Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other ☐ Airbill #: ☐
☒ ☐ ☐ ☐ ☐
Matrix (Check all that apply) Air ☐ Soil/Solid ☒ Water ☐ Other ☐Temp (°C) 4.6Thermometer # 2

	Yes	No	N/A	Comments (if any)
If samples require cooling, is the temperature < 6°C? <sup>(1)</sup> <b>NOTE:</b> 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? <sup>(1)</sup>	<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 <sup>2+</sup> ), Hexavalent Chromium (Cr <sup>6+</sup> , 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? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? <b>If yes, contact client and note in narrative.</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling)? <sup>(1)</sup> Note the type of preservative in the comments column – HCl, H <sub>2</sub> SO <sub>4</sub> , NaOH, HNO <sub>3</sub> , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2? <sup>(1)</sup> Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				
<sup>(1)</sup> If NO, then contact the client before proceeding with analysis and note in case narrative.				

W. W. L.  
Custodian Printed Name

9/6/23 14:15  
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:**  
09/18/23 09:17

**EX-FS-05@8'**  
**2309058-01 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **09/06/23 12:05**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
<b>Toluene</b>	<b>0.015</b>	0.0050	0.00025	mg/kg	1	BGI0141	09/06/23	09/06/23	EPA 8260B	
Ethylbenzene	ND	0.0050	0.00021	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>0.079</b>	0.010	0.00044	"	"	"	"	"	"	
<b>1,2,4-Trimethylbenzene</b>	<b>0.0077</b>	0.0050	0.00024	"	"	"	"	"	"	
Naphthalene	ND	0.0038	0.00036	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>1.2</b>	0.50		"	"	"	"	"	"	

Date Sampled: **09/06/23 12:05**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 1,2-Dichloroethane-d4		63.8 %		50-150		"	"	"	"	
Surrogate: Toluene-d8		110 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.4 %		50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **09/06/23 12:05**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
<b>C10-C28 (DRO)</b>	<b>14</b>	50	4.3	mg/kg	1	BGI0140	09/06/23	09/06/23	EPA 8015M	J
<b>C28-C36 (ORO)</b>	<b>5.0</b>	50	4.3	"	"	"	"	"	"	J

Date Sampled: **09/06/23 12:05**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: o-Terphenyl		94.8 %		30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

Date Sampled: **09/06/23 12:05**

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

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:**  
09/18/23 09:17

**EX-FS-05@8'**  
**2309058-01 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Fluorene	ND	0.00500	0.000477	mg/kg	1	BGI0153	09/07/23	09/08/23	EPA 8270D SIM
2-Methylnaphthalene	ND	0.00500	0.00189	"	"	"	"	"	"

Date Sampled: **09/06/23 12:05**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10		70.3 %		40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		71.2 %		40-150		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **09/06/23 12:05**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	<b>0.700</b>	0.0100	0.00690	mg/L	1	BGI0146	09/07/23	09/08/23	EPA 6020B	

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

Date Sampled: **09/06/23 12:05**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	<b>13.7</b>	0.0618		mg/L dry	1	BGI0133	09/06/23	09/08/23	EPA 6020B	
Magnesium	<b>13.0</b>	0.0618		"	"	"	"	"	"	
Sodium	<b>41.4</b>	0.0618		"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **09/06/23 12:05**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	<b>1.92</b>	0.00100		units	1	BGI0211	09/08/23	09/08/23	Calculation	

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

Date Sampled: **09/06/23 12:05**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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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:**  
09/18/23 09:17

**EX-FS-05@8'**  
**2309058-01 (Soil)**

**Summit Scientific**

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

% Solids	80.9	%	1	BGI0145	09/07/23	09/07/23	Calculation
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**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **09/06/23 12:05**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.33	0.0100	0.00100	mmhos/cm	1	BGI0149	09/07/23	09/07/23	EPA 120.1	

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

Date Sampled: **09/06/23 12:05**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.71			pH Units	1	BGI0148	09/07/23	09/07/23	EPA 9045D	

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:**

09/18/23 09:17

**EX-FS-05@8'**

**2309058-01 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **09/06/23 12:05**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
1,3,5-Trimethylbenzene	0.0055	0.0050	0.00024	mg/kg	1	BGI0427	09/06/23	09/15/23	EPA 8260B	

Date Sampled: **09/06/23 12:05**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 1,2-Dichloroethane-d4		83.8 %		50-150		"	"	"	"	
Surrogate: Toluene-d8		118 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.5 %		50-150		"	"	"	"	

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:**  
09/18/23 09:17

**EX-FS-06@8'**  
**2309058-02 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **09/06/23 12:15**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Toluene	ND	0.0050	0.00025	mg/kg	1	BGI0141	09/06/23	09/06/23	EPA 8260B	
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: **09/06/23 12:15**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: 1,2-Dichloroethane-d4		114 %		50-150		"	"	"	"	
Surrogate: Toluene-d8		84.8 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		69.3 %		50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **09/06/23 12:15**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
C10-C28 (DRO)	14	50	4.3	mg/kg	1	BGI0140	09/06/23	09/06/23	EPA 8015M	J
C28-C36 (ORO)	5.0	50	4.3	"	"	"	"	"	"	J

Date Sampled: **09/06/23 12:15**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	MDL							
Surrogate: o-Terphenyl		95.6 %		30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

Date Sampled: **09/06/23 12:15**

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

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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:**  
09/18/23 09:17

**EX-FS-06@8'**  
**2309058-02 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Fluorene	ND	0.00500	0.000477	mg/kg	1	BGI0153	09/07/23	09/08/23	EPA 8270D SIM
2-Methylnaphthalene	ND	0.00500	0.00189	"	"	"	"	"	"

Date Sampled: **09/06/23 12:15**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10		78.2 %		40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		68.1 %		40-150		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **09/06/23 12:15**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	<b>0.968</b>	0.0100	0.00690	mg/L	1	BGI0146	09/07/23	09/08/23	EPA 6020B	

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

Date Sampled: **09/06/23 12:15**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	<b>13.7</b>	0.0649		mg/L dry	1	BGI0133	09/06/23	09/08/23	EPA 6020B	
Magnesium	<b>13.2</b>	0.0649		"	"	"	"	"	"	
Sodium	<b>52.1</b>	0.0649		"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **09/06/23 12:15**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	<b>2.41</b>	0.00100		units	1	BGI0211	09/08/23	09/08/23	Calculation	

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

Date Sampled: **09/06/23 12:15**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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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:**  
09/18/23 09:17

**EX-FS-06@8'**  
**2309058-02 (Soil)**

**Summit Scientific**

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

% Solids	77.0	%	1	BGI0145	09/07/23	09/07/23	Calculation
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**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **09/06/23 12:15**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	2.26	0.0100	0.00100	mmhos/cm	1	BGI0149	09/07/23	09/07/23	EPA 120.1	

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

Date Sampled: **09/06/23 12:15**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.58			pH Units	1	BGI0148	09/07/23	09/07/23	EPA 9045D	

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:**  
09/18/23 09:17

## 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 BGI0141 - EPA 5030 Soil MS

##### Blank (BGI0141-BLK1)

Prepared & Analyzed: 09/06/23

Toluene	ND	0.0050	mg/kg							
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	0.0284		"	0.0400		71.0	50-150			
Surrogate: Toluene-d8	0.0416		"	0.0400		104	50-150			
Surrogate: 4-Bromofluorobenzene	0.0403		"	0.0400		101	50-150			

##### LCS (BGI0141-BS1)

Prepared: 09/06/23 Analyzed: 09/07/23

Toluene	0.118	0.0050	mg/kg	0.100		118	70-130			
Ethylbenzene	0.129	0.0050	"	0.100		129	70-130			
m,p-Xylene	0.252	0.010	"	0.200		126	70-130			
o-Xylene	0.114	0.0050	"	0.100		114	70-130			
1,2,4-Trimethylbenzene	0.118	0.0050	"	0.100		118	70-130			
1,3,5-Trimethylbenzene	0.126	0.0050	"	0.100		126	70-130			
Naphthalene	0.0754	0.0038	"	0.100		75.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0208		"	0.0400		52.1	50-150			
Surrogate: Toluene-d8	0.0410		"	0.0400		103	50-150			
Surrogate: 4-Bromofluorobenzene	0.0384		"	0.0400		96.1	50-150			

##### Matrix Spike (BGI0141-MS1)

Source: 2309057-01

Prepared: 09/06/23 Analyzed: 09/07/23

Toluene	0.0999	0.0050	mg/kg	0.100	ND	99.9	70-130			
Ethylbenzene	0.0883	0.0050	"	0.100	ND	88.3	70-130			
m,p-Xylene	0.178	0.010	"	0.200	ND	88.9	70-130			
o-Xylene	0.0862	0.0050	"	0.100	ND	86.2	70-130			
1,2,4-Trimethylbenzene	0.0877	0.0050	"	0.100	ND	87.7	70-130			
1,3,5-Trimethylbenzene	0.0867	0.0050	"	0.100	ND	86.7	70-130			
Naphthalene	0.0798	0.0038	"	0.100	ND	79.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.00846		"	0.0400		21.2	50-150			QM-07
Surrogate: Toluene-d8	0.0430		"	0.0400		108	50-150			
Surrogate: 4-Bromofluorobenzene	0.0387		"	0.0400		96.7	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:**  
09/18/23 09:17

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

### Summit Scientific

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

#### Batch BGI0141 - EPA 5030 Soil MS

Matrix Spike Dup (BGI0141-MSD1)		Source: 2309057-01		Prepared: 09/06/23 Analyzed: 09/07/23						
Toluene	0.102	0.0050	mg/kg	0.100	ND	102	70-130	1.90	30	
Ethylbenzene	0.112	0.0050	"	0.100	ND	112	70-130	23.3	30	
m,p-Xylene	0.215	0.010	"	0.200	ND	108	70-130	19.1	30	
o-Xylene	0.101	0.0050	"	0.100	ND	101	70-130	15.9	30	
1,2,4-Trimethylbenzene	0.103	0.0050	"	0.100	ND	103	70-130	15.8	30	
1,3,5-Trimethylbenzene	0.107	0.0050	"	0.100	ND	107	70-130	21.4	30	
Naphthalene	0.0692	0.0038	"	0.100	ND	69.2	70-130	14.3	30	QM-07
<hr/>										
Surrogate: 1,2-Dichloroethane-d4	0.0273		"	0.0400		68.2	50-150			
Surrogate: Toluene-d8	0.0430		"	0.0400		108	50-150			
Surrogate: 4-Bromofluorobenzene	0.0381		"	0.0400		95.2	50-150			

#### Batch BGI0427 - EPA 5030 Soil MS

Blank (BGI0427-BLK1)		Prepared: 09/14/23 Analyzed: 09/15/23								
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	0.0334	0.50	"							J
<hr/>										
Surrogate: 1,2-Dichloroethane-d4	0.0364		"	0.0400		91.0	50-150			
Surrogate: Toluene-d8	0.0392		"	0.0400		98.0	50-150			
Surrogate: 4-Bromofluorobenzene	0.0393		"	0.0400		98.2	50-150			

LCS (BGI0427-BS1)		Prepared: 09/14/23 Analyzed: 09/15/23								
Benzene	0.116	0.0020	mg/kg	0.100		116	70-130			
Toluene	0.104	0.0050	"	0.100		104	70-130			
Ethylbenzene	0.107	0.0050	"	0.100		107	70-130			
m,p-Xylene	0.207	0.010	"	0.200		103	70-130			
o-Xylene	0.0976	0.0050	"	0.100		97.6	70-130			
1,2,4-Trimethylbenzene	0.0973	0.0050	"	0.100		97.3	70-130			
1,3,5-Trimethylbenzene	0.0986	0.0050	"	0.100		98.6	70-130			
Naphthalene	0.0824	0.0038	"	0.100		82.4	70-130			
<hr/>										
Surrogate: 1,2-Dichloroethane-d4	0.0370		"	0.0400		92.5	50-150			
Surrogate: Toluene-d8	0.0406		"	0.0400		101	50-150			
Surrogate: 4-Bromofluorobenzene	0.0379		"	0.0400		94.7	50-150			

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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:**  
09/18/23 09:17

## 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 BGI0427 - EPA 5030 Soil MS

##### Matrix Spike (BGI0427-MS1)

Source: 2309235-01

Prepared: 09/14/23 Analyzed: 09/15/23

Benzene	0.0988	0.0020	mg/kg	0.100	ND	98.8	70-130			
Toluene	0.0813	0.0050	"	0.100	ND	81.3	70-130			
Ethylbenzene	0.0781	0.0050	"	0.100	ND	78.1	70-130			
m,p-Xylene	0.152	0.010	"	0.200	ND	75.9	70-130			
o-Xylene	0.0729	0.0050	"	0.100	ND	72.9	70-130			
1,2,4-Trimethylbenzene	0.0940	0.0050	"	0.100	ND	94.0	70-130			
1,3,5-Trimethylbenzene	0.0949	0.0050	"	0.100	ND	94.9	70-130			
Naphthalene	0.0902	0.0038	"	0.100	ND	90.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0382		"	0.0400		95.6	50-150			
Surrogate: Toluene-d8	0.0391		"	0.0400		97.7	50-150			
Surrogate: 4-Bromofluorobenzene	0.0373		"	0.0400		93.2	50-150			

##### Matrix Spike Dup (BGI0427-MSD1)

Source: 2309235-01

Prepared: 09/14/23 Analyzed: 09/15/23

Benzene	0.118	0.0020	mg/kg	0.100	ND	118	70-130	17.6	30	
Toluene	0.0905	0.0050	"	0.100	ND	90.5	70-130	10.7	30	
Ethylbenzene	0.0725	0.0050	"	0.100	ND	72.5	70-130	7.37	30	
m,p-Xylene	0.144	0.010	"	0.200	ND	72.0	70-130	5.37	30	
o-Xylene	0.0797	0.0050	"	0.100	ND	79.7	70-130	8.92	30	
1,2,4-Trimethylbenzene	0.0936	0.0050	"	0.100	ND	93.6	70-130	0.448	30	
1,3,5-Trimethylbenzene	0.0826	0.0050	"	0.100	ND	82.6	70-130	13.8	30	
Naphthalene	0.0887	0.0038	"	0.100	ND	88.7	70-130	1.68	30	
Surrogate: 1,2-Dichloroethane-d4	0.0342		"	0.0400		85.4	50-150			
Surrogate: Toluene-d8	0.0461		"	0.0400		115	50-150			
Surrogate: 4-Bromofluorobenzene	0.0398		"	0.0400		99.4	50-150			

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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:**

09/18/23 09:17

## Extractable Petroleum Hydrocarbons by 8015 - Quality Control

### Summit Scientific

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

#### Batch BGI0140 - EPA 3550A

##### Blank (BGI0140-BLK1)

Prepared & Analyzed: 09/06/23

C10-C28 (DRO)	ND	50	mg/kg							
C28-C36 (ORO)	ND	50	"							
Surrogate: o-Terphenyl	12.1		"	12.5		96.6	30-150			

##### LCS (BGI0140-BS1)

Prepared: 09/06/23 Analyzed: 09/07/23

C10-C28 (DRO)	458	50	mg/kg	500		91.7	70-130			
Surrogate: o-Terphenyl	12.5		"	12.5		100	30-150			

##### Matrix Spike (BGI0140-MS1)

Source: 2309057-01

Prepared: 09/06/23 Analyzed: 09/07/23

C10-C28 (DRO)	461	50	mg/kg	500	16.6	88.9	70-130			
Surrogate: o-Terphenyl	12.2		"	12.5		97.4	30-150			

##### Matrix Spike Dup (BGI0140-MSD1)

Source: 2309057-01

Prepared: 09/06/23 Analyzed: 09/07/23

C10-C28 (DRO)	477	50	mg/kg	500	16.6	92.1	70-130	3.43	20	
Surrogate: o-Terphenyl	12.6		"	12.5		101	30-150			

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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:**  
09/18/23 09:17

## 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 BGI0153 - EPA 5030 Soil MS

##### Blank (BGI0153-BLK1)

Prepared & Analyzed: 09/07/23

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	0.0310		"	0.0333		93.1	40-150			
Surrogate: Fluoranthene-d10	0.0358		"	0.0333		107	40-150			

##### LCS (BGI0153-BS1)

Prepared & Analyzed: 09/07/23

Acenaphthene	0.0350	0.00500	mg/kg	0.0333		105	31-137			
Anthracene	0.0346	0.00500	"	0.0333		104	30-120			
Benzo (a) anthracene	0.0324	0.00500	"	0.0333		97.1	30-120			
Benzo (a) pyrene	0.0334	0.00500	"	0.0333		100	30-120			
Benzo (b) fluoranthene	0.0340	0.00500	"	0.0333		102	30-120			
Benzo (k) fluoranthene	0.0370	0.00500	"	0.0333		111	30-120			
Chrysene	0.0354	0.00500	"	0.0333		106	30-120			
Dibenz (a,h) anthracene	0.0291	0.00500	"	0.0333		87.2	30-120			
Fluoranthene	0.0335	0.00500	"	0.0333		100	30-120			
Fluorene	0.0347	0.00500	"	0.0333		104	30-120			
Indeno (1,2,3-cd) pyrene	0.0390	0.00500	"	0.0333		117	30-120			
Pyrene	0.0367	0.00500	"	0.0333		110	35-142			
1-Methylnaphthalene	0.0340	0.00500	"	0.0333		102	35-142			
2-Methylnaphthalene	0.0316	0.00500	"	0.0333		94.7	35-142			
Surrogate: 2-Methylnaphthalene-d10	0.0338		"	0.0333		101	40-150			
Surrogate: Fluoranthene-d10	0.0336		"	0.0333		101	40-150			

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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:**  
09/18/23 09:17

## 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 BGI0153 - EPA 5030 Soil MS

##### Matrix Spike (BGI0153-MS1)

Source: 2309027-01

Prepared & Analyzed: 09/07/23

Acenaphthene	0.0232	0.00500	mg/kg	0.0333	ND	69.6	31-137				
Anthracene	0.0211	0.00500	"	0.0333	ND	63.4	30-120				
Benzo (a) anthracene	0.0220	0.00500	"	0.0333	ND	66.1	30-120				
Benzo (a) pyrene	0.0215	0.00500	"	0.0333	ND	64.5	30-120				
Benzo (b) fluoranthene	0.0221	0.00500	"	0.0333	ND	66.3	30-120				
Benzo (k) fluoranthene	0.0225	0.00500	"	0.0333	ND	67.6	30-120				
Chrysene	0.0228	0.00500	"	0.0333	ND	68.4	30-120				
Dibenz (a,h) anthracene	0.0189	0.00500	"	0.0333	ND	56.7	30-120				
Fluoranthene	0.0225	0.00500	"	0.0333	ND	67.5	30-120				
Fluorene	0.0235	0.00500	"	0.0333	ND	70.5	30-120				
Indeno (1,2,3-cd) pyrene	0.0204	0.00500	"	0.0333	ND	61.1	30-120				
Pyrene	0.0248	0.00500	"	0.0333	ND	74.5	35-142				
1-Methylnaphthalene	0.0231	0.00500	"	0.0333	ND	69.4	15-130				
2-Methylnaphthalene	0.0168	0.00500	"	0.0333	ND	50.5	15-130				
Surrogate: 2-Methylnaphthalene-d10	0.0248		"	0.0333		74.3	40-150				
Surrogate: Fluoranthene-d10	0.0230		"	0.0333		68.9	40-150				

##### Matrix Spike Dup (BGI0153-MSD1)

Source: 2309027-01

Prepared & Analyzed: 09/07/23

Acenaphthene	0.0193	0.00500	mg/kg	0.0333	ND	57.9	31-137	18.4	30		
Anthracene	0.0167	0.00500	"	0.0333	ND	50.1	30-120	23.4	30		
Benzo (a) anthracene	0.0173	0.00500	"	0.0333	ND	51.9	30-120	24.1	30		
Benzo (a) pyrene	0.0179	0.00500	"	0.0333	ND	53.6	30-120	18.4	30		
Benzo (b) fluoranthene	0.0178	0.00500	"	0.0333	ND	53.4	30-120	21.5	30		
Benzo (k) fluoranthene	0.0184	0.00500	"	0.0333	ND	55.3	30-120	20.1	30		
Chrysene	0.0182	0.00500	"	0.0333	ND	54.6	30-120	22.5	30		
Dibenz (a,h) anthracene	0.0144	0.00500	"	0.0333	ND	43.1	30-120	27.2	30		
Fluoranthene	0.0190	0.00500	"	0.0333	ND	57.1	30-120	16.7	30		
Fluorene	0.0197	0.00500	"	0.0333	ND	59.0	30-120	17.9	30		
Indeno (1,2,3-cd) pyrene	0.0224	0.00500	"	0.0333	ND	67.3	30-120	9.68	30		
Pyrene	0.0202	0.00500	"	0.0333	ND	60.5	35-142	20.8	30		
1-Methylnaphthalene	0.0192	0.00500	"	0.0333	ND	57.6	15-130	18.5	50		
2-Methylnaphthalene	0.0171	0.00500	"	0.0333	ND	51.2	15-130	1.38	50		
Surrogate: 2-Methylnaphthalene-d10	0.0182		"	0.0333		54.7	40-150				
Surrogate: Fluoranthene-d10	0.0194		"	0.0333		58.1	40-150				

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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:**

09/18/23 09:17

### 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 BGI0146 - EPA 3050B

##### Blank (BGI0146-BLK1)

Prepared: 09/07/23 Analyzed: 09/08/23

Boron ND 0.0100 mg/L

##### LCS (BGI0146-BS1)

Prepared: 09/07/23 Analyzed: 09/08/23

Boron 4.73 0.0100 mg/L 5.00 94.6 80-120

##### Duplicate (BGI0146-DUP1)

Source: 2309024-01

Prepared: 09/07/23 Analyzed: 09/08/23

Boron 0.184 0.0100 mg/L 0.248 29.6 20 QR-04

##### Matrix Spike (BGI0146-MS1)

Source: 2309024-01

Prepared: 09/07/23 Analyzed: 09/08/23

Boron 4.90 0.0100 mg/L 5.00 0.248 93.0 75-125

##### Matrix Spike Dup (BGI0146-MSD1)

Source: 2309024-01

Prepared: 09/07/23 Analyzed: 09/08/23

Boron 5.00 0.0100 mg/L 5.00 0.248 94.9 75-125 1.99 25

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Wheat Ridge CO, 80033

Project: Civitas - Regnier Farms 19H-B268

Project Number: [none]

Project Manager: Martin Eckert III

Reported:

09/18/23 09:17

## 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 BGI0133 - General Preparation

##### Blank (BGI0133-BLK1)

Prepared: 09/06/23 Analyzed: 09/07/23

Calcium	ND	0.0500	mg/L wet							
Magnesium	0.00244	0.0500	"							J
Sodium	ND	0.0500	"							

##### LCS (BGI0133-BS1)

Prepared: 09/06/23 Analyzed: 09/07/23

Calcium	4.76	0.0500	mg/L wet	5.00	95.2	70-130
Magnesium	4.73	0.0500	"	5.00	94.6	70-130
Sodium	4.52	0.0500	"	5.00	90.4	70-130

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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:**

09/18/23 09:17

### 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 BGI0145 - General Preparation

**Duplicate (BGI0145-DUP1)**

**Source: 2309057-01**

Prepared & Analyzed: 09/07/23

% Solids	83.3	%		83.8		0.673	20
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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:**

09/18/23 09:17

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

#### Summit Scientific

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

#### Batch BGI0149 - General Preparation

##### Blank (BGI0149-BLK1)

Prepared & Analyzed: 09/07/23

Specific Conductance (EC) ND 0.0100 mmhos/cm

##### LCS (BGI0149-BS1)

Prepared & Analyzed: 09/07/23

Specific Conductance (EC) 0.155 0.0100 mmhos/cm 0.150 104 95-105

##### Duplicate (BGI0149-DUP1)

Source: 2309048-01

Prepared & Analyzed: 09/07/23

Specific Conductance (EC) 0.608 0.0100 mmhos/cm 0.608 0.00 20

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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:**

09/18/23 09:17

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

**Summit Scientific**

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

**Batch BGI0148 - General Preparation**

**LCS (BGI0148-BS1)**

Prepared & Analyzed: 09/07/23

pH	9.06	pH Units	9.18	98.7	95-105
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**Duplicate (BGI0148-DUP1)**

**Source: 2309048-01**

Prepared & Analyzed: 09/07/23

pH	7.17	pH Units	7.17	0.00	20
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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:**  
09/18/23 09:17

### 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.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/LCSD recovery.
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