

Flowline Closure Checklist

COGCC Rule 911.a.(4) Environmental Site Closure Assessment Field Form

<i>Additional Attachments:</i>		Tank Battery Closure		Wellhead Closure		Pit Closure		Partially Buried Vault Closure
<i>Site Name & COGCC Facility Number:</i>		<i>Date:</i>						<i>Remediation Project #:</i>
<i>Associated Wells:</i>		<i>Age of Site:</i>						<i>Number of Photos Attached:</i>

Starting point: (GPS coordinates and descriptions)

End point: (GPS coordinates and descriptions)

USCS Soil Type: _____ *Estimated Depth to Groundwater:* _____

Hydrocarbon Impacted Soils / Spills: (Note estimated size and if impact appears to be surficial or extends to an unknown depth)

Salt Crusted Soils or Impacted Vegetation: (Note estimated size and if impact appears to be surficial or extends to an unknown depth)

Flowlines

<i>Flowline type</i>								
<i>Depth</i>								
<i>Age</i>								
<i>Length</i>								
<i>Construction Material</i>								
<i>Were flowlines pulled?</i>								
<i>Visual Integrity of lines</i>								
<i>Visual impacts if trenched</i>								
<i>PID Readings if trenched</i>								
<i>Sample taken?</i>								
<i>Location/Sample ID#</i>								
<i>Photo Number(s)</i>								

Other observations regarding on location flowlines:

Summary

Was impacted soil identified?
 No Yes - less than 10 cubic yards Yes - more than 10 cubic yards

Total number of samples field screened: _____ *Total number of samples collected:* _____

Highest PID Reading: _____ *Total number of samples submitted to lab for analysis:* _____

If more than 10 cubic yards of impacted soil were observed:

Vertical extent: _____ *Estimated spill volume:* _____

Lateral extent: _____ *Volume of soil removed:* _____

Is additional investigation required?

Was groundwater encountered during the investigation?
 No Yes - not impacted or in contact with impacted soils Yes - groundwater impacted and/or in contact with impacted soils

Measured depth to groundwater: _____ *Was remedial groundwater removal conducted?* Yes No

Date Groundwater was encountered: _____ *Commencement date of removal:* _____

Sheen on groundwater? Yes No *Volume of groundwater removed prior to sampling:* _____

Free product observed? Yes No *Volume of groundwater removed post sampling:* _____

Total number of samples collected: _____ *Total Volume of groundwater removed:* _____

Total number of samples submitted to lab for analysis: _____



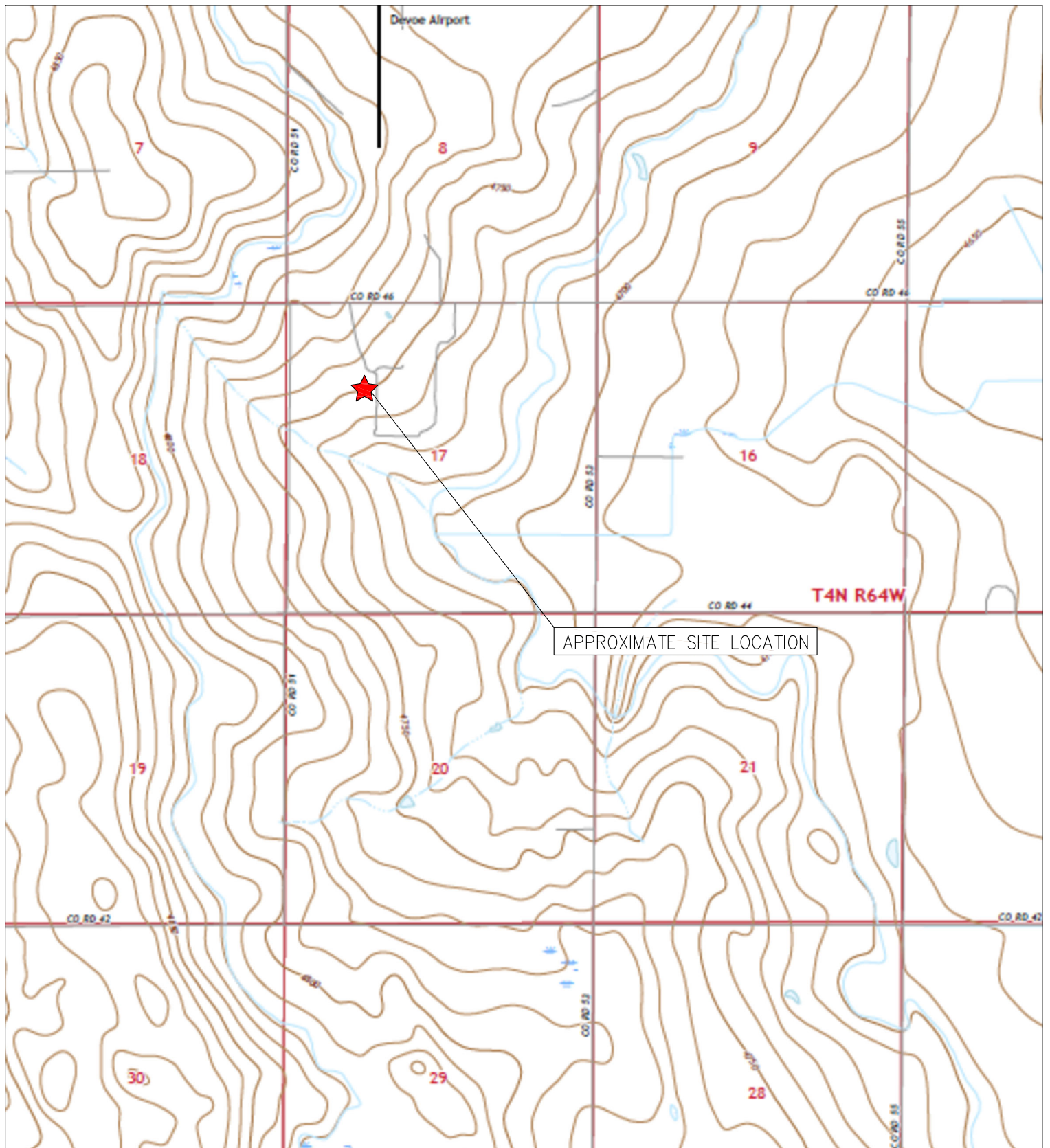
FIGURES

Figure 1: Topographic Site Location Map

Figure 2: Aerial Site Location Map

Figure 3: Soil Analytical Map

Figure 4: Metals in Soil Map



TOPOGRAPHIC SITE LOCATION MAP
 SH FARMS C #17-6
 CLOSURE ASSESSMENT
 40.315411 / -104.579660
 SW¼ NW¼ SEC.17 T4N R64W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-22998
 REMEDIATION # 34708



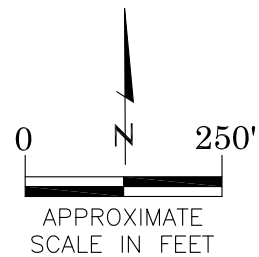
EAGLE
 ENVIRONMENTAL
 CONSULTING, LLC

8000 W 44th Ave, Wheat Ridge, CO 80033
 Ph: 303-433-0479 • F: 303-325-5449



LEGEND

- FORMER SH FARMS C #17-6 WELLHEAD (PLUGGED AND ABANDONED)
- ASSOCIATED SEPARATOR
- APPROXIMATE FLOWLINE LOCATION (ABANDONED IN PLACE)



AERIAL SITE LOCATION MAP
 SH FARMS C #17-6
 CLOSURE ASSESSMENT
 40.315411 / -104.579660
 SW¼ NW¼ SEC.17 T4N R64W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-22998
 REMEDIATION # 34708

FIGURE NO.
2

DRAWN BY:
ZM



EAGLE
 ENVIRONMENTAL
 CONSULTING, LLC
 8000 W 44th Ave, Wheat Ridge, CO 80033
 Ph: 303-433-0479 • F: 303-325-5449



BACKGROUND-01@2'
05/24/24
2'
pH = 8.18

FL02R-W@4'
05/24/24
4'
pH = **8.46**
ALL OTHERS = BRL

BACKGROUND-02@2'
05/24/24
2'
pH = **8.81**

FL01R-S@4'
05/24/24
4'
pH = **8.42**
ALL OTHERS = BRL



LEGEND

- APPROXIMATE FLOWLINE LOCATION (ABANDONED IN PLACE)
- APPROXIMATE LOCATION OF SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

PARAMETERS

SAMPLE LOCATION
DATE
DEPTH (FEET)
B = BENZENE (mg/kg)
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)
Brn = BORON (mg/L)
EC = SPECIFIC CONDUCTANCE (mmhos/cm)
SAR = SODIUM ADSORPTION RATIO
pH = pH (pH UNITS)
POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) (mg/kg)

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

BRL = 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

SOIL ANALYTICAL MAP
SH FARMS C #17-6
CLOSURE ASSESSMENT
40.315411 / -104.579660
SW¼ NW¼ SEC.17 T4N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-22998
REMIEDIATION # 34708

FIGURE NO.
3

DRAWN BY:
ZM

EAGLE ENVIRONMENTAL CONSULTING, LLC
8000 W 44th Ave, Wheat Ridge, CO 80033
PH: 303-433-0479 • F: 303-325-5449



BACKGROUND-01@2'
05/24/24
2'

Arsenic = 2.27
Barium = 121*
Cadmium = 0.117
Chromium (VI) = <0.148**
Copper = 16.9
Lead = 6.29
Nickel = 6.17
Selenium = <0.243
Silver = <0.0935
Zinc = 52.8

FL02R-W@4'
05/24/24
4'

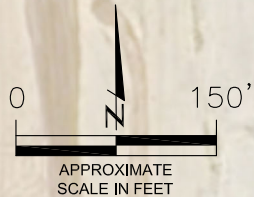
Arsenic = 2.97
Barium = 70.1
Cadmium = 0.117
Chromium (VI) = <0.134**
Copper = 11.8
Lead = 6.41
Nickel = 7.29
Selenium = <0.249
Silver = <0.0957
Zinc = <0.134

BACKGROUND-02@2'
05/24/24
2'

Arsenic = 2.58
Barium = 131*
Cadmium = 0.139
Chromium (VI) = <0.169**
Copper = 18.9
Lead = 7.55
Nickel = 6.98
Selenium = 0.276*
Silver = <0.0929
Zinc = 59.1

FL01R-S@4'
05/24/24
4'

Arsenic = 2.59
Barium = 109*
Cadmium = 0.247
Chromium (VI) = <0.162**
Copper = 12.9
Lead = 5.61
Nickel = 6.66
Selenium = <0.231
Silver = <0.0890
Zinc = 38.5



LEGEND

- APPROXIMATE FLOWLINE LOCATION (ABANDONED IN PLACE)
- APPROXIMATE LOCATION OF SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

PARAMETERS

SAMPLE LOCATION
DATE SAMPLE COLLECTED
APPROXIMATE DEPTH
Arsenic = (mg/kg)
Barium = (mg/kg)
Cadmium = (mg/kg)
Chromium (VI) = (mg/kg)
Copper = (mg/kg)
Lead = (mg/kg)
Nickel = (mg/kg)
Selenium = (mg/kg)
Silver = (mg/kg)
Zinc = (mg/kg)

mg/kg = MILLIGRAMS PER KILOGRAM

NOTES:
VALUES PRESENTED WITH A LESS THAN SYMBOL (<) DID NOT CONTAIN CONCENTRATIONS AT/OR ABOVE LABORATORY REPORTING LIMITS AND/OR MINIMUM DETECTION LIMITS.

*VALUES EXCEED ECMC TABLE 915-1 PROTECTION OF GROUNDWATER SOIL SCREENING LEVELS, ONLY.

**ACHIEVABLE PRACTICAL QUANTITATIVE LIMITS FOR HEXAVALENT CHROMIUM (Cr VI) IN SOILS IS IN THE RANGE OF 0.1 TO 1 mg/kg.

ELEVATED METALS ARE NATURALLY OCCURRING IN COLORADO. LOCAL CLEAN-UP LEVELS ARE 1.25*BACKGROUND HIGH CONCENTRATION, WHERE APPLICABLE.

ECMC = ENERGY & CARBON MANAGEMENT COMMISSION

METALS IN SOIL MAP
SH FARMS C #17-6
CLOSURE ASSESSMENT
40.315411 / -104.579660
SW¼ NW¼ SEC.17 T4N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-22998
REMEDIAION # 34708

FIGURE NO.
4

DRAWN BY:
ZM



EAGLE
ENVIRONMENTAL
CONSULTING, LLC
8000 W 44th Ave, Wheat Ridge, CO 80033
Ph: 303-433-0479 • F: 303-325-5449



TABLES

Table 1: Photoionization Detector Reading Summary

Table 2: Summary of Volatile Organic Soil Chemistry Data

Table 3: Summary of PAH Soil Chemistry Data

Table 4: Summary of Soil Suitability for Reclamation

Table 5: Summary of Metals in Soil Chemistry Data

TABLE 1
FIELD DATA SUMMARY TABLE
NOBLE ENERGY 100322
SH FARMS C #17-6, WELD COUNTY, COLORADO
REM # 34708

Sample ID	Sample Date	Depth	GPS Data		VOC Concentration (ppm)
			Latitude	Longitude	
FL01R-S @ 4'	5/24/2024	4	40.314546	-104.583027	1.8
FL02R-W @ 4'	5/24/2024	4	40.315415	-104.579656	2.0
Background-01 @ 2'	5/24/2024	2	40.314546	-104.582937	0.9
Background-02 @ 2'	5/24/2024	2	40.315327	-104.579629	1.0

1. Global Positioning System (GPS) data is provided in decimal degrees using North American Datum (NAD) 83 UTMZone 13 North.

2. Volatile organic compound (VOC) concentrations are measured in the field using a photoionization detector (PID).

PDOP = Position Dilution of Precision

ppm = Parts per million

in. = Inches

ft. = Feet

bgs = Below ground surface

TABLE 2
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA
NOBLE ENERGY 100322
SH FARMS C #17-6, WELD COUNTY, COLORADO
REM # 34708

Sample ID	Sample Date	Depth (ft)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-Benzene (mg/kg)	Xylenes (mg/kg)	1,2,4-Trimethyl-Benzene (mg/kg)	1,3,5-Trimethyl-Benzene (mg/kg)	Naphthalene (mg/kg)	TPH (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			1.2	490	5.8	58	30	27	2	500	500**		
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.0026	0.69	0.78	9.9	0.0081	0.0087	0.0038	500	500**		
FL01R-S @ 4'	5/24/2024	4	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
FL02R-W @ 4'	5/24/2024	4	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100

1. Bold values are equal to or exceed the ECMC Table 915-1 limit(s)
2. Red & blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL)
3. * Indicates laboratory minimum detection limit in excess of SSL
4. ** Summation of GRO+DRO+ORO must be less than 500 mg/kg

TABLE 3
SUMMARY OF POLYCYCLIC AROMATIC HYDROCARBON SOIL CHEMISTRY DATA
NOBLE ENERGY 100322
SH FARMS C #17-6, WELD COUNTY, COLORADO
REM # 34708

Sample ID	Sample Date	Depth (ft)	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)	Pyrene (mg/kg)	1-Methyl - Naphthalene (mg/kg)	2-Methyl- Naphthalene (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			360	1800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	180	18	24
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.55	5.8	0.011	0.24	0.3	2.9	9	0.096	8.9	0.54	0.98	1.3	0.006	0.019
FL01R-S @ 4'	5/24/2024	4	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002
FL02R-W @ 4'	5/24/2024	4	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002

1. Bold values are equal to or exceed the ECMC Table 915-1 limit(s)
 2. Red & blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL)
 3. * Indicates laboratory minimum detection limit in excess of SSL
- NA - Not analyzed

TABLE 4
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION
NOBLE ENERGY 100322
SH FARMS C #17-6, WELD COUNTY, COLORADO
REM # 34708

Sample ID	Sample Date	Depth (ft)	pH (Standard Units)	EC (mmhos/cm)	SAR (Standard Units)	Boron (mg/L)
ECMC Table 915-1 Soil Suitability Limits			6 - 8.3	<4	<6	2
FL01R-S @ 4'	5/24/2024	4	8.42	0.320	0.108	0.201
FL02R-W @ 4'	5/24/2024	4	8.46	0.815	1.20	0.457
Background-01 @ 2'	5/24/2024	2	8.18	1.01	0.786	1.35
Background-02 @ 2'	5/24/2024	2	8.81	1.15	0.897	1.16
Maximum Background Concentration			8.81	1.15	0.897	1.35
Average Background Concentration			8.50	1.08	0.84	1.26

1. Bold values are equal to or exceed the ECMC Table 915-1 limit(s)

2. Blue highlighted soil analytical values indicate a regulatory exceedance

NA - Not analyzed

Laboratory reruns were completed on samples with pH values outside ECMC Table 915-1 Regulatory Range. Results of the reruns are presented in parentheses.

TABLE 5
SUMMARY OF METALS IN SOIL CHEMISTRY DATA
NOBLE ENERGY 100322
SH FARMS C #17-6, WELD COUNTY, COLORADO
REM # 34708

Sample ID	Sample Date	Depth (ft)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			0.68	15000	71	0.3	3100	400	1500	390	390	23000
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
FL01R-S @ 4'	5/24/2024	4	2.59	109	0.247	<0.162	12.9	5.61	6.66	<0.231	<0.0890	38.5
FL02R-W @ 4'	5/24/2024	4	2.97	70.1	0.117	<0.134	11.8	6.41	7.29	<0.249	<0.0957	39.0
Background-01 @ 2'	5/24/2024	2	2.27	121	0.117	<0.148	16.9	6.29	6.17	<0.243	<0.0935	52.8
Background-02 @ 2'	5/24/2024	2	2.58	131	0.139	<0.169	18.9	7.55	6.98	0.276	<0.0929	59.1
Maximum Background Concentration			2.58	131	0.139		18.9	7.55	6.98	0.276		59.1
125% Maximum Background Concentration			3.23	164	0.174		23.6	9.4	8.7	0.345		73.9

1. Bold values are equal to or exceed the ECMC Table 915-1 limit(s)
 2. Red & blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL)
- * Indicates laboratory minimum detection limit in excess of SSL
NA - Not analyzed



ATTACHMENT A

Photo Log

SH Farms C #17-6
API # 05-123-22998
Remediation # 34708

Closure Assessment

May 2024



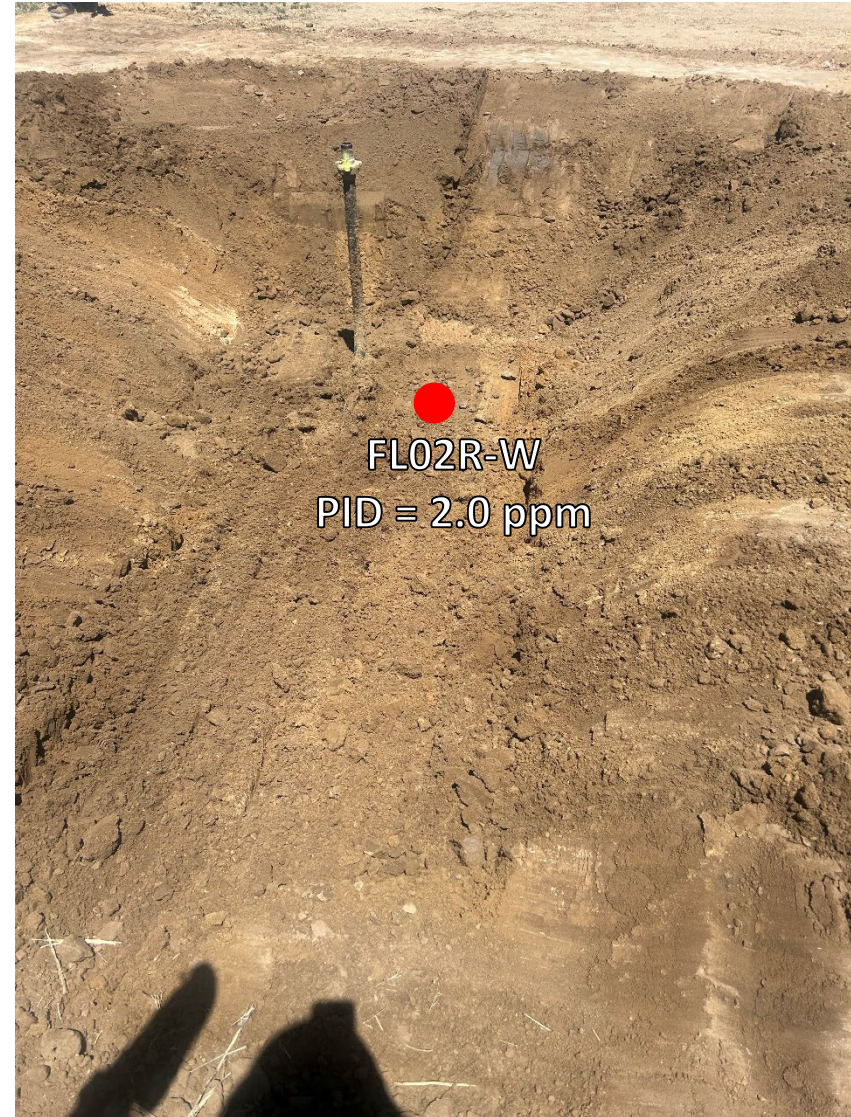
Flowline Removal/Assessment – 05/24/24



FL01R-S
PID = 1.8 ppm

Looking west at flowline Pt. B/terminus at separator

No petroleum hydrocarbon staining or odor observed



FL02R-W
PID = 2.0 ppm

Looking east at flowline Pt. A riser

No petroleum hydrocarbon staining or odor observed



ATTACHMENT B

Laboratory Analytical Report



June 26, 2024

Eagle Environmental Consulting, LLC

Andrew Newberry

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - SH Farms C#17-6

Project Number - [none]

Attached are your analytical results for Noble - SH Farms C#17-6 received by Origins Laboratory, Inc. May 24, 2024. This project is associated with Origins project number Y405756-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

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

Andrew Newberry
Project Number: [none]
Project: Noble - SH Farms C#17-6

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL01R-S@4'	Y405756-01	Soil	May 24, 2024 11:46	05/24/2024 15:26
FL02R-W@4'	Y405756-02	Soil	May 24, 2024 13:42	05/24/2024 15:26
Background-01@2'	Y405756-03	Soil	May 24, 2024 11:56	05/24/2024 15:26
Background-02@2'	Y405756-04	Soil	May 24, 2024 13:48	05/24/2024 15:26

Origins Laboratory, Inc.



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, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - SH Farms C#17-6

ORIGINS

ORIGINS WORK ORDER #

Y405756

Page 1 of 1

LABORATORY LLC

Client: Eagle Environmental Consulting

Address: 8000 W 44th Ave

Wheat Ridge, CO, 80033

Telephone Number: 303-433-0199

Email Address: ANDREW@EAGLE-ENVIRONMENTAL.COM

Project Manager: Andrew Newberry

Project Name: SH Farms C#17-6

Project Number: Y405756

Collected By: SL

Invoice/Billing Info: Bill to Eagle

Key:

W=Water

GW=Groundwater

SW=Surface Water

WW=Waste Water

L=Liquid

S=Soil | SO=Solid | O=Oil | A=Air | G=Gas | U=Urpres | HCL=Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH=Sodium Hydroxide

#	Sample ID	Date	Time	# of Containers	Matrix	Preservative	Analysis	Comments
1	ELDR-SOIL	5/14/14	146	3	S	UMP	GLTEX, NAPP, TMS-27600, DRU/PRO-3000, PAHs-273000, Benon-DTPA/SORBITOL, EL-9050A, SAR-200, PH-9045D, Table 915 Method-6020R, CrVI-4190A	GL/SAR/PH = Scheduled Post Prep
2	ELDR-SOIL	5/14/14	142	3	S	UMP		
3	Boulvard-0102'	5/15/14	1156	2	S	UMP		
4	Boulvard-0200'	5/18/14	1348	2	S	UMP		NOs Added
5								
6								
7								
8								
9								
10								


Relinquished By: [Signature] Date: 5/21/14 Time: 1536

Received By: [Signature] Date: 5/21/14 Time: 1500

Turnaround Time: SAME DAY 24 Hr 48 Hr 72 Hr

Standard

1725 Elk Place Denver, Co, 80211 | # 303.433.1322 | originslab.com | Temp Received - 4.4 Received On Ice? Yes No

Origins Laboratory, Inc.


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, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - SH Farms C#17-6

Origins Laboratory

F-012207-01-R1
 Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: Y405756

Client: Eagle
 Client Project ID: SHF0 SH Farms C #17-

Checklist Completed by: SA I

Shipped Via: HO
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Airbill #: N/A

Date/time completed: 5/24/24

Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____

Cooler Number/Temperature: 1 / 4.4 °C _____ °C _____ °C (Describe) _____ °C

Thermometer ID: TO05

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) [Signature] Date/Time Reviewed 5/30/24

Origins Laboratory, Inc.

[Signature]

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, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - SH Farms C#17-6

FL01R-S@4'

5/24/2024 11:46:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y405756-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.201		0.0989	mg/L	1	B4E2812	05/28/2024	05/29/2024	
-------	-------	--	--------	------	---	---------	------------	------------	--

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4E2801	05/28/2024	05/31/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	90.9 %		50-150			"	"	"	
------------------------	--------	--	--------	--	--	---	---	---	--

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4E2601	05/28/2024	05/30/2024	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Naphthalene	ND		0.00380	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Origins Laboratory, Inc.



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, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - SH Farms C#17-6

FL01R-S@4'

5/24/2024 11:46:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y405756-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	110 %		70-130			B4E26 01	05/28/2024	05/30/2024	
Surrogate: Toluene-d8	98.6 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.63		0.499	meq/L	10	[CALC]	05/28/2024	05/29/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND		0.002	mg/kg	1	B4E2824	05/28/2024	06/01/2024	Ua
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	Ua
Acenaphthene	ND		0.020	"	"	"	"	"	Ua
Anthracene	ND		0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Chrysene	ND		0.020	"	"	"	"	"	Ua
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	Ua

Origins Laboratory, Inc.



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, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - SH Farms C#17-6

FL01R-S@4'

5/24/2024 11:46:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y405756-01 (Soil)

PAH by EPA 8270E

Fluoranthene	ND		0.020	mg/kg	1	B4E2824	05/28/2024	06/01/2024	Ua
Fluorene	ND		0.020	"	"	"	"	"	Ua
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	98.6 %		60-130			"	"	"	
Surrogate: Anthracene-d10	94.2 %		60-130			"	"	"	
Surrogate: Pyrene-d10	112 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	95.8 %		60-130			"	"	"	

pH in Soil by 9045D

pH	8.42			pH Units	1	B4E2816	05/28/2024	05/30/2024	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	0.108		0.0100	SAR	1	B4E2814	05/28/2024	05/29/2024	
-----	-------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.320		0.00500	mmhos/cm	1	B4E2816	05/28/2024	05/30/2024	
---------------------------	-------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Origins Laboratory, Inc.



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, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - SH Farms C#17-6

FL01R-S@4'

5/24/2024 11:46:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y405756-01 (Soil)

Table 915 metals by EPA 6020B

Arsenic	2.59	0.258	mg/kg	10	B4E2831	05/28/2024	05/29/2024	
Barium	109	8.90	"	"	"	"	"	
Cadmium	0.247	0.0890	"	"	"	"	"	
Copper	12.9	8.90	"	"	"	"	"	
Lead	5.61	0.890	"	"	"	"	"	
Nickel	6.66	0.890	"	"	"	"	"	
Selenium	ND	0.231	"	"	"	"	"	
Silver	ND	0.0890	"	"	"	"	"	
Zinc	38.5	32.9	"	"	"	"	"	

Total Metals 7196A

Hexavalent Chromium	ND	0.162	0.405	mg/kg dry	1	2630222	06/21/2024	06/22/2024	U
---------------------	----	-------	-------	-----------	---	---------	------------	------------	---

Origins Laboratory, Inc.



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, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - SH Farms C#17-6

FL02R-W@4'

5/24/2024 1:42:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y405756-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.457		0.0992	mg/L	1	B4E2812	05/28/2024	05/29/2024	
-------	-------	--	--------	------	---	---------	------------	------------	--

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4E2801	05/28/2024	05/31/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	90.1 %		50-150			"	"	"	
------------------------	--------	--	--------	--	--	---	---	---	--

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4E2601	05/28/2024	05/30/2024	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Naphthalene	ND		0.00380	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Origins Laboratory, Inc.



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, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - SH Farms C#17-6

FL02R-W@4'
5/24/2024 1:42:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y405756-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	113 %		70-130			B4E26 01	05/28/2024	05/30/2024	
Surrogate: Toluene-d8	98.8 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	2.29		0.499	meq/L	10	[CALC]	05/28/2024	05/29/2024	
Magnesium	3.27		0.823	"	"	"	"	"	
Sodium	2.01		0.435	"	"	"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND		0.002	mg/kg	1	B4E2824	05/28/2024	06/03/2024	Ua
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	Ua
Acenaphthene	ND		0.020	"	"	"	"	"	Ua
Anthracene	ND		0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Chrysene	ND		0.020	"	"	"	"	"	Ua
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	Ua

Origins Laboratory, Inc.



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, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - SH Farms C#17-6

FL02R-W@4'

5/24/2024 1:42:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y405756-02 (Soil)

PAH by EPA 8270E

Fluoranthene	ND		0.020	mg/kg	1	B4E2824	05/28/2024	06/03/2024	Ua
Fluorene	ND		0.020	"	"	"	"	"	Ua
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	101 %		60-130			"	"	"	
Surrogate: Anthracene-d10	96.2 %		60-130			"	"	"	
Surrogate: Pyrene-d10	101 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	89.9 %		60-130			"	"	"	

pH in Soil by 9045D

pH	8.46			pH Units	1	B4E2816	05/28/2024	05/30/2024	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	1.20		0.0100	SAR	1	B4E2814	05/28/2024	05/29/2024	
-----	------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.815		0.00500	mmhos/cm	1	B4E2816	05/28/2024	05/30/2024	
---------------------------	-------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Origins Laboratory, Inc.



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, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - SH Farms C#17-6

FL02R-W@4'

5/24/2024 1:42:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y405756-02 (Soil)

Table 915 metals by EPA 6020B

Arsenic	2.97		0.278	mg/kg	10	B4E2831	05/28/2024	05/29/2024	
Barium	70.1		9.57	"	"	"	"	"	
Cadmium	0.117		0.0957	"	"	"	"	"	
Copper	11.8		9.57	"	"	"	"	"	
Lead	6.41		0.957	"	"	"	"	"	
Nickel	7.29		0.957	"	"	"	"	"	
Selenium	ND		0.249	"	"	"	"	"	
Silver	ND		0.0957	"	"	"	"	"	
Zinc	39.0		35.4	"	"	"	"	"	

Total Metals 7196A

Hexavalent Chromium	ND	0.134	0.336	mg/kg dry	1	2630222	06/21/2024	06/22/2024	U
---------------------	----	-------	-------	-----------	---	---------	------------	------------	---

Origins Laboratory, Inc.



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, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - SH Farms C#17-6

Background-01@2'
5/24/2024 11:56:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y405756-03 (Soil)

Boron (DTPA Sorbitol)

Boron	1.35		0.0984	mg/L	1	B4E3112	05/31/2024	06/03/2024	
-------	------	--	--------	------	---	---------	------------	------------	--

Metals by Saturated Paste by EPA 6010

Calcium	2.94		0.499	meq/L	10	[CALC]	05/31/2024	06/03/2024	
Magnesium	3.11		0.823	"	"	"	"	"	
Sodium	1.37		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.18			pH Units	1	B4E3117	05/31/2024	05/31/2024	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	0.786		0.0100	SAR	1	B4E3107	05/31/2024	06/03/2024	
-----	-------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.01		0.00500	mmhos/cm	1	B4E3117	05/31/2024	05/31/2024	
---------------------------	------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	2.27		0.271	mg/kg	10	B4E3042	05/31/2024	06/01/2024	
Barium	121		9.35	"	"	"	"	"	
Cadmium	0.117		0.0935	"	"	"	"	"	
Copper	16.9		9.35	"	"	"	"	"	

Origins Laboratory, Inc.



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, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - SH Farms C#17-6

Background-01@2'
5/24/2024 11:56:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y405756-03 (Soil)

Table 915 metals by EPA 6020B

Lead	6.29		0.935	mg/kg	10	B4E3042	05/31/2024	06/01/2024	
Nickel	6.17		0.935	"	"	"	"	"	
Selenium	ND		0.243	"	"	"	"	"	
Silver	ND		0.0935	"	"	"	"	"	
Zinc	52.8		34.6	"	"	"	"	"	

Total Metals by 7196A

Hexavalent Chromium	ND	0.148	0.371	mg/kg dry	1	2620365	06/03/2024	06/06/2024	U
---------------------	----	-------	-------	-----------	---	---------	------------	------------	---

Origins Laboratory, Inc.



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, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - SH Farms C#17-6

Background-02@2'
5/24/2024 1:48:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y405756-04 (Soil)

Boron (DTPA Sorbitol)

Boron	1.16		0.0992	mg/L	1	B4E2812	05/28/2024	05/29/2024	
-------	------	--	--------	------	---	---------	------------	------------	--

Metals by Saturated Paste by EPA 6010

Calcium	3.65		0.499	meq/L	10	[CALC]	05/28/2024	05/29/2024	
Magnesium	4.09		0.823	"	"	"	"	"	
Sodium	1.77		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.81			pH Units	1	B4E2816	05/28/2024	05/30/2024	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	0.897		0.0100	SAR	1	B4E2814	05/28/2024	05/29/2024	
-----	-------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.15		0.00500	mmhos/cm	1	B4E2816	05/28/2024	05/30/2024	
---------------------------	------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	2.58		0.269	mg/kg	10	B4E2831	05/28/2024	05/29/2024	
Barium	131		9.29	"	"	"	"	"	
Cadmium	0.139		0.0929	"	"	"	"	"	
Copper	18.9		9.29	"	"	"	"	"	

Origins Laboratory, Inc.



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, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - SH Farms C#17-6

Background-02@2'
5/24/2024 1:48:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y405756-04 (Soil)

Table 915 metals by EPA 6020B

Lead	7.55		0.929	mg/kg	10	B4E2831	05/28/2024	05/29/2024	
Nickel	6.98		0.929	"	"	"	"	"	
Selenium	0.276		0.242	"	"	"	"	"	
Silver	ND		0.0929	"	"	"	"	"	
Zinc	59.1		34.4	"	"	"	"	"	

Total Metals by 7196A

Hexavalent Chromium	ND	0.169	0.423	mg/kg dry	1	2620365	06/03/2024	06/06/2024	U
---------------------	----	-------	-------	-----------	---	---------	------------	------------	---

Origins Laboratory, Inc.



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, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - SH Farms C#17-6

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

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

Batch B4E2601 - EPA 5030 (soil)

Blank (B4E2601-BLK1)

Prepared: 05/28/2024 Analyzed: 05/30/2024

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							Ua
1,3,5-Trimethylbenzene	ND	0.00200	"							Ua
Benzene	ND	0.00200	"							Ua
Ethylbenzene	ND	0.00200	"							Ua
Naphthalene	ND	0.00380	"							Ua
Toluene	ND	0.00200	"							Ua
Xylenes, total	ND	0.00200	"							Ua
Gasoline Range Hydrocarbons	ND	0.200	"							Ua
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125	107		70-130			
Surrogate: Toluene-d8	0.13		"	0.125	100		70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125	107		70-130			

Origins Laboratory, Inc.



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, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - SH Farms C#17-6

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

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

Batch B4E2601 - EPA 5030 (soil)

LCS (B4E2601-BS1)

Prepared: 05/28/2024 Analyzed: 05/30/2024

1,2,4-Trimethylbenzene	0.111	0.00200	mg/kg	0.100		111	70-130			
1,3,5-Trimethylbenzene	0.111	0.00200	"	0.100		111	70-130			
Benzene	0.102	0.00200	"	0.100		102	70-130			
Ethylbenzene	0.105	0.00200	"	0.100		105	70-130			
Naphthalene	0.101	0.00380	"	0.100		101	70-130			
Toluene	0.0969	0.00200	"	0.100		96.9	70-130			
o-Xylene	0.109	0.00200	"	0.100		109	70-130			
m,p-Xylene	0.204	0.00400	"	0.200		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		113	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

Origins Laboratory, Inc.



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, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - SH Farms C#17-6

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

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

Batch B4E2601 - EPA 5030 (soil)

Matrix Spike (B4E2601-MS1)	Source: Y405730-01			Prepared: 05/28/2024 Analyzed: 05/30/2024						
1,2,4-Trimethylbenzene	0.109	0.00200	mg/kg	0.100	ND	109	70-130			
1,3,5-Trimethylbenzene	0.108	0.00200	"	0.100	ND	108	70-130			
Benzene	0.0988	0.00200	"	0.100	ND	98.8	70-130			
Ethylbenzene	0.102	0.00200	"	0.100	ND	102	70-130			
Naphthalene	0.0955	0.00380	"	0.100	0.00148	94.1	70-130			
Toluene	0.0952	0.00200	"	0.100	ND	95.2	70-130			
o-Xylene	0.107	0.00200	"	0.100	ND	107	70-130			
m,p-Xylene	0.201	0.00400	"	0.200	ND	101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		110	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

Origins Laboratory, Inc.



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, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - SH Farms C#17-6

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

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

Batch B4E2601 - EPA 5030 (soil)

Matrix Spike Dup (B4E2601-MSD1)	Source: Y405730-01			Prepared: 05/28/2024 Analyzed: 05/30/2024						
1,2,4-Trimethylbenzene	0.108	0.00200	mg/kg	0.100	ND	108	70-130	0.828	20	
1,3,5-Trimethylbenzene	0.108	0.00200	"	0.100	ND	108	70-130	0.0557	20	
Benzene	0.0997	0.00200	"	0.100	ND	99.7	70-130	0.927	20	
Ethylbenzene	0.102	0.00200	"	0.100	ND	102	70-130	0.470	20	
Naphthalene	0.101	0.00380	"	0.100	0.00148	99.6	70-130	5.65	20	
Toluene	0.0948	0.00200	"	0.100	ND	94.8	70-130	0.484	20	
o-Xylene	0.107	0.00200	"	0.100	ND	107	70-130	0.281	20	
m,p-Xylene	0.201	0.00400	"	0.200	ND	100	70-130	0.279	20	
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		108	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

Origins Laboratory, Inc.



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, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - SH Farms C#17-6

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4E2801 - EPA 3550B										
Blank (B4E2801-BLK1)										
					Prepared: 05/28/2024 Analyzed: 05/31/2024					
Diesel (C10-C28)	ND	25.0	mg/kg							Ua
Residual Range Organics (C28-C40)	ND	100	"							Ua
Surrogate: o-Terphenyl	22		"	24.9		88.4	50-150			

Origins Laboratory, Inc.



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, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - SH Farms C#17-6

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

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

Batch B4E2801 - EPA 3550B

LCS (B4E2801-BS1)

Prepared: 05/28/2024 Analyzed: 05/31/2024

Diesel (C10-C28)	930	50.0	mg/kg	1000		93.0	70-130			
Residual Range Organics (C28-C40)	836	200	"	1000		83.6	70-130			
Surrogate: o-Terphenyl	54		"	49.8		109	50-150			

Origins Laboratory, Inc.



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, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - SH Farms C#17-6

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

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

Batch B4E2801 - EPA 3550B

Matrix Spike (B4E2801-MS1)	Source: Y405730-01			Prepared: 05/28/2024 Analyzed: 05/31/2024						
Diesel (C10-C28)	906	50.0	mg/kg	1000	ND	90.6	70-130			
Residual Range Organics (C28-C40)	798	200	"	1000	ND	79.8	70-130			
Surrogate: o-Terphenyl	52		"	49.8		105	50-150			

Origins Laboratory, Inc.



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, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - SH Farms C#17-6

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4E2801 - EPA 3550B										
Matrix Spike Dup (B4E2801-MSD1)					Source: Y405730-01					Prepared: 05/28/2024 Analyzed: 05/31/2024
Diesel (C10-C28)	882	50.0	mg/kg	1000	ND	88.2	70-130	2.70	35	
Residual Range Organics (C28-C40)	784	200	"	1000	ND	78.4	70-130	1.78	35	
Surrogate: o-Terphenyl	52		"	49.8		104	50-150			

Origins Laboratory, Inc.



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, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - SH Farms C#17-6

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

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

Metals by EPA 6000/7000 Series Methods - Quality Control
Origins Laboratory, Inc.

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

Batch B4E2831 - EPA 3050B

Blank (B4E2831-BLK1)

Prepared: 05/28/2024 Analyzed: 05/29/2024

Arsenic	ND	0.290	mg/kg							
Barium	ND	10.0	"							
Cadmium	ND	0.100	"							
Copper	ND	10.0	"							
Lead	ND	1.00	"							
Nickel	ND	1.00	"							
Selenium	ND	0.260	"							
Silver	ND	0.100	"							
Zinc	ND	37.0	"							

LCS (B4E2831-BS1)

Prepared: 05/28/2024 Analyzed: 05/29/2024

Arsenic	5.52	0.290	mg/kg	5.00		110	80-120			
Barium	585	10.0	"	500		117	80-120			
Cadmium	5.62	0.100	"	5.00		112	80-120			
Copper	56.3	10.0	"	50.0		113	80-120			
Lead	5.59	1.00	"	5.00		112	80-120			
Nickel	5.71	1.00	"	5.00		114	80-120			
Selenium	10.5	0.260	"	9.50		110	80-120			
Silver	5.37	0.100	"	5.00		107	80-120			
Zinc	57.1	37.0	"	50.0		114	80-120			

Matrix Spike (B4E2831-MS1)

Source: Y405771-01

Prepared: 05/28/2024 Analyzed: 05/29/2024

Origins Laboratory, Inc.



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, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - SH Farms C#17-6

Metals by EPA 6000/7000 Series Methods - Quality Control
Origins Laboratory, Inc.

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

Batch B4E2831 - EPA 3050B

Matrix Spike (B4E2831-MS1)		Source: Y405771-01			Prepared: 05/28/2024 Analyzed: 05/29/2024					
Arsenic	11.8	0.273	mg/kg	4.70	6.20	120	75-125			
Barium	770	9.40	"	470	164	129	75-125			QM-07
Cadmium	5.73	0.0940	"	4.70	0.238	117	75-125			
Copper	67.8	9.40	"	47.0	14.6	113	75-125			
Lead	18.7	0.940	"	4.70	12.6	129	75-125			QM-07
Nickel	20.5	0.940	"	4.70	14.8	120	75-125			
Selenium	10.1	0.244	"	8.93	0.369	109	75-125			
Silver	5.35	0.0940	"	4.70	0.0581	113	75-125			
Zinc	118	34.8	"	47.0	63.7	116	75-125			

Matrix Spike Dup (B4E2831-MSD1)		Source: Y405771-01			Prepared: 05/28/2024 Analyzed: 05/29/2024					
Arsenic	11.4	0.259	mg/kg	4.46	6.20	116	75-125	4.00	20	
Barium	667	8.93	"	446	164	113	75-125	14.4	20	
Cadmium	5.08	0.0893	"	4.46	0.238	109	75-125	12.0	20	
Copper	61.1	8.93	"	44.6	14.6	104	75-125	10.3	20	
Lead	17.4	0.893	"	4.46	12.6	106	75-125	7.23	20	
Nickel	19.3	0.893	"	4.46	14.8	100	75-125	5.74	20	
Selenium	9.04	0.232	"	8.48	0.369	102	75-125	11.3	20	
Silver	4.68	0.0893	"	4.46	0.0581	104	75-125	13.3	20	
Zinc	110	33.0	"	44.6	63.7	104	75-125	6.99	20	

Batch B4E3042 - EPA 3050B

Blank (B4E3042-BLK1)		Prepared: 05/31/2024 Analyzed: 06/01/2024								
Arsenic	ND	0.290	mg/kg							
Barium	ND	10.0	"							
Cadmium	ND	0.100	"							

Origins Laboratory, Inc.



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, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - SH Farms C#17-6

Metals by EPA 6000/7000 Series Methods - Quality Control
Origins Laboratory, Inc.

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

Batch B4E3042 - EPA 3050B

Blank (B4E3042-BLK1)

Prepared: 05/31/2024 Analyzed: 06/01/2024

Copper	ND	10.0	mg/kg							
Lead	ND	1.00	"							
Nickel	ND	1.00	"							
Selenium	ND	0.260	"							
Silver	ND	0.100	"							
Zinc	ND	37.0	"							

LCS (B4E3042-BS1)

Prepared: 05/31/2024 Analyzed: 06/01/2024

Arsenic	5.72	0.290	mg/kg	5.00		114	80-120			
Barium	527	10.0	"	500		105	80-120			
Cadmium	5.36	0.100	"	5.00		107	80-120			
Copper	55.8	10.0	"	50.0		112	80-120			
Lead	5.21	1.00	"	5.00		104	80-120			
Nickel	5.42	1.00	"	5.00		108	80-120			
Selenium	10.5	0.260	"	9.50		111	80-120			
Silver	4.98	0.100	"	5.00		99.7	80-120			
Zinc	55.1	37.0	"	50.0		110	80-120			

Matrix Spike (B4E3042-MS1)

Source: Y405834-01

Prepared: 05/31/2024 Analyzed: 06/01/2024

Arsenic	10.3	0.247	mg/kg	4.26	5.57	111	75-125			
Barium	652	8.53	"	426	219	102	75-125			
Cadmium	4.83	0.0853	"	4.26	0.194	109	75-125			
Copper	63.2	8.53	"	42.6	16.2	110	75-125			
Lead	15.8	0.853	"	4.26	11.7	95.9	75-125			
Nickel	20.5	0.853	"	4.26	16.5	93.1	75-125			
Selenium	9.30	0.222	"	8.10	0.118	113	75-125			
Silver	4.46	0.0853	"	4.26	0.0457	104	75-125			

Origins Laboratory, Inc.



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, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - SH Farms C#17-6

Metals by EPA 6000/7000 Series Methods - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4E3042 - EPA 3050B										
Matrix Spike (B4E3042-MS1)			Source: Y405834-01			Prepared: 05/31/2024 Analyzed: 06/01/2024				
Zinc	100	31.6	mg/kg	42.6	57.3	101	75-125			
Matrix Spike Dup (B4E3042-MSD1)			Source: Y405834-01			Prepared: 05/31/2024 Analyzed: 06/01/2024				
Arsenic	11.4	0.274	mg/kg	4.72	5.57	125	75-125	10.7	20	
Barium	751	9.44	"	472	219	113	75-125	14.2	20	
Cadmium	5.46	0.0944	"	4.72	0.194	112	75-125	12.2	20	
Copper	71.8	9.44	"	47.2	16.2	118	75-125	12.6	20	
Lead	17.3	0.944	"	4.72	11.7	118	75-125	9.01	20	
Nickel	22.6	0.944	"	4.72	16.5	129	75-125	9.93	20	QM-07
Selenium	9.81	0.245	"	8.97	0.118	108	75-125	5.35	20	
Silver	5.04	0.0944	"	4.72	0.0457	106	75-125	12.2	20	
Zinc	112	34.9	"	47.2	57.3	115	75-125	10.7	20	

Origins Laboratory, Inc.



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, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - SH Farms C#17-6

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

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

Batch B4E2824 - EPA 3580

Blank (B4E2824-BLK1)

Prepared: 05/28/2024 Analyzed: 06/01/2024

1-Methylnaphthalene	ND	0.002	mg/kg							Ua
2-Methylnaphthalene	ND	0.002	"							Ua
Acenaphthene	ND	0.020	"							Ua
Anthracene	ND	0.020	"							Ua
Benzo (a) anthracene	ND	0.005	"							Ua
Benzo (a) pyrene	ND	0.020	"							Ua
Benzo (b) fluoranthene	ND	0.020	"							Ua
Benzo (g,h,i) perylene	ND	0.020	"							Ua
Benzo (k) fluoranthene	ND	0.020	"							Ua
Chrysene	ND	0.020	"							Ua
Dibenz (a,h) anthracene	ND	0.020	"							Ua
Fluoranthene	ND	0.020	"							Ua
Fluorene	ND	0.020	"							Ua
Indeno (1,2,3-cd) pyrene	ND	0.020	"							Ua
Naphthalene	ND	0.002	"							Ua
Phenanthrene	ND	0.020	"							Ua
Pyrene	ND	0.020	"							Ua
Surrogate: Fluorene-d10	200		ug/kg	200		99.9	60-130			
Surrogate: Anthracene-d10	190		"	200		94.6	60-130			
Surrogate: Pyrene-d10	230		"	200		115	60-130			
Surrogate: Benzo (a) pyrene-d12	180		"	200		90.9	60-130			

LCS (B4E2824-BS1)

Prepared: 05/28/2024 Analyzed: 06/01/2024

1-Methylnaphthalene	0.193	0.002	mg/kg	0.200		96.5	70-130			
2-Methylnaphthalene	0.197	0.002	"	0.200		98.6	70-130			
Acenaphthene	0.201	0.020	"	0.200		100	70-130			
Anthracene	0.173	0.020	"	0.200		86.7	70-130			

Origins Laboratory, Inc.



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, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - SH Farms C#17-6

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

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

Batch B4E2824 - EPA 3580

LCS (B4E2824-BS1)

Prepared: 05/28/2024 Analyzed: 06/01/2024

Benzo (a) anthracene	0.195	0.005	mg/kg	0.200		97.4	70-130			
Benzo (a) pyrene	0.183	0.020	"	0.200		91.3	70-130			
Benzo (b) fluoranthene	0.205	0.020	"	0.200		103	70-130			
Benzo (g,h,i) perylene	0.181	0.020	"	0.200		90.6	70-130			
Benzo (k) fluoranthene	0.184	0.020	"	0.200		91.9	70-130			
Chrysene	0.197	0.020	"	0.200		98.4	70-130			
Dibenz (a,h) anthracene	0.182	0.020	"	0.200		91.0	70-130			
Fluoranthene	0.194	0.020	"	0.200		96.8	70-130			
Fluorene	0.202	0.020	"	0.200		101	70-130			
Indeno (1,2,3-cd) pyrene	0.186	0.020	"	0.200		93.2	70-130			
Naphthalene	0.200	0.002	"	0.200		100	70-130			
Phenanthrene	0.189	0.020	"	0.200		94.5	70-130			
Pyrene	0.209	0.020	"	0.200		104	70-130			
Surrogate: Fluorene-d10	220		ug/kg	200		108	60-130			
Surrogate: Anthracene-d10	190		"	200		96.5	60-130			
Surrogate: Pyrene-d10	210		"	200		107	60-130			
Surrogate: Benzo (a) pyrene-d12	190		"	200		95.9	60-130			

Matrix Spike (B4E2824-MS1)

Source: Y405728-01

Prepared: 05/28/2024 Analyzed: 06/03/2024

1-Methylnaphthalene	0.194	0.002	mg/kg	0.200	0.002	95.9	70-130			
2-Methylnaphthalene	0.198	0.002	"	0.200	0.001	98.6	70-130			
Acenaphthene	0.197	0.020	"	0.200	ND	98.4	70-130			
Anthracene	0.202	0.020	"	0.200	0.006	98.1	70-130			
Benzo (a) anthracene	0.247	0.005	"	0.200	0.006	121	70-130			
Benzo (a) pyrene	0.174	0.020	"	0.200	0.005	84.3	70-130			
Benzo (b) fluoranthene	0.106	0.020	"	0.200	0.005	50.7	70-130			QM-07
Benzo (g,h,i) perylene	0.127	0.020	"	0.200	0.011	58.1	70-130			QM-07

Origins Laboratory, Inc.



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, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - SH Farms C#17-6

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

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

Batch B4E2824 - EPA 3580

Matrix Spike (B4E2824-MS1)		Source: Y405728-01			Prepared: 05/28/2024 Analyzed: 06/03/2024					
Benzo (k) fluoranthene	0.126	0.020	mg/kg	0.200	0.007	59.6	70-130			QM-07
Chrysene	0.196	0.020	"	0.200	0.011	92.5	70-130			
Dibenz (a,h) anthracene	0.130	0.020	"	0.200	0.006	62.2	70-130			QM-07
Fluoranthene	0.175	0.020	"	0.200	0.004	85.6	70-130			
Fluorene	0.191	0.020	"	0.200	0.003	93.8	70-130			
Indeno (1,2,3-cd) pyrene	0.173	0.020	"	0.200	0.009	82.3	70-130			
Naphthalene	0.199	0.002	"	0.200	ND	99.7	70-130			
Phenanthrene	0.188	0.020	"	0.200	0.002	92.8	70-130			
Pyrene	0.177	0.020	"	0.200	0.004	86.1	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		98.5	60-130			
Surrogate: Anthracene-d10	200		"	200		99.3	60-130			
Surrogate: Pyrene-d10	190		"	200		92.9	60-130			
Surrogate: Benzo (a) pyrene-d12	190		"	200		96.0	60-130			

Matrix Spike Dup (B4E2824-MSD1)		Source: Y405728-01			Prepared: 05/28/2024 Analyzed: 06/03/2024					
1-Methylnaphthalene	0.217	0.002	mg/kg	0.200	0.002	107	70-130	11.0	20	
2-Methylnaphthalene	0.212	0.002	"	0.200	0.001	106	70-130	6.76	20	
Acenaphthene	0.190	0.020	"	0.200	ND	95.2	70-130	3.23	20	
Anthracene	0.237	0.020	"	0.200	0.006	116	70-130	15.9	20	
Benzo (a) anthracene	0.276	0.005	"	0.200	0.006	135	70-130	10.8	20	QM-07
Benzo (a) pyrene	0.173	0.020	"	0.200	0.005	83.9	70-130	0.488	20	
Benzo (b) fluoranthene	0.104	0.020	"	0.200	0.005	49.8	70-130	1.76	20	QM-07
Benzo (g,h,i) perylene	0.126	0.020	"	0.200	0.011	57.5	70-130	0.956	20	QM-07
Benzo (k) fluoranthene	0.119	0.020	"	0.200	0.007	56.0	70-130	5.92	20	QM-07
Chrysene	0.204	0.020	"	0.200	0.011	96.4	70-130	3.94	20	
Dibenz (a,h) anthracene	0.127	0.020	"	0.200	0.006	60.7	70-130	2.26	20	QM-07
Fluoranthene	0.188	0.020	"	0.200	0.004	92.2	70-130	7.23	20	

Origins Laboratory, Inc.



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, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - SH Farms C#17-6

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

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

Batch B4E2824 - EPA 3580

Matrix Spike Dup (B4E2824-MSD1)	Source: Y405728-01			Prepared: 05/28/2024 Analyzed: 06/03/2024						
Fluorene	0.194	0.020	mg/kg	0.200	0.003	95.2	70-130	1.50	20	
Indeno (1,2,3-cd) pyrene	0.164	0.020	"	0.200	0.009	77.6	70-130	5.62	20	
Naphthalene	0.205	0.002	"	0.200	ND	102	70-130	2.69	20	
Phenanthrene	0.197	0.020	"	0.200	0.002	97.4	70-130	4.76	20	
Pyrene	0.190	0.020	"	0.200	0.004	93.0	70-130	7.52	20	
Surrogate: Fluorene-d10	190		ug/kg	200		95.9	60-130			
Surrogate: Anthracene-d10	220		"	200		112	60-130			
Surrogate: Pyrene-d10	200		"	200		100	60-130			
Surrogate: Benzo (a) pyrene-d12	190		"	200		95.0	60-130			

Origins Laboratory, Inc.



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, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - SH Farms C#17-6

Classical Chemistry Parameters - Quality Control
Origins Laboratory, Inc.

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

Batch B4E2812 - DTPA Sorbitol Preparation

Blank (B4E2812-BLK1)

Prepared: 05/28/2024 Analyzed: 05/29/2024

Boron ND 0.100 mg/L

Duplicate (B4E2812-DUP1)

Source: Y405728-05

Prepared: 05/28/2024 Analyzed: 05/29/2024

Boron 0.673 0.101 mg/L 0.573 16.0 50

Batch B4E2814 - Saturated Paste Metals

Blank (B4E2814-BLK1)

Prepared: 05/28/2024 Analyzed: 05/29/2024

Calcium PPM ND 10.0 mg/L

SAR ND 0.0100 SAR

Magnesium PPM ND 10.0 mg/L

Sodium PPM ND 10.0 "

Duplicate (B4E2814-DUP1)

Source: Y405730-04

Prepared: 05/28/2024 Analyzed: 05/29/2024

SAR ND 0.0100 SAR 1.77 200

Calcium PPM 18.2 10.0 mg/L 15.0 18.9 50

Magnesium PPM 5.14 10.0 " 4.91 4.58 50

Sodium PPM 29.8 10.0 " 30.9 3.60 50

Batch B4E3107 - Saturated Paste Metals

Blank (B4E3107-BLK1)

Prepared: 05/31/2024 Analyzed: 06/03/2024

SAR ND 0.0100 SAR

Calcium PPM ND 10.0 mg/L

Magnesium PPM ND 10.0 "

Sodium PPM ND 10.0 "

Origins Laboratory, Inc.



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, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - SH Farms C#17-6

Classical Chemistry Parameters - Quality Control
Origins Laboratory, Inc.

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

Batch B4E3107 - Saturated Paste Metals

Duplicate (B4E3107-DUP1)		Source: Y405796-01			Prepared: 05/31/2024 Analyzed: 06/03/2024					
Calcium PPM	39.2	10.0	mg/L		30.4			25.2	50	
SAR	ND	0.0100	SAR		1.37				200	
Magnesium PPM	8.89	10.0	mg/L		7.54			16.4	50	
Sodium PPM	28.0	10.0	"		32.5			14.7	50	

Batch B4E3112 - DTPA Sorbitol Preparation

Blank (B4E3112-BLK1)		Prepared: 05/31/2024 Analyzed: 06/03/2024								
Boron	ND	0.100	mg/L							
Duplicate (B4E3112-DUP1)		Source: Y405808-01			Prepared: 05/31/2024 Analyzed: 06/03/2024					
Boron	0.264	0.0984	mg/L		0.268			1.73	50	

Origins Laboratory, Inc.



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, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - SH Farms C#17-6

Saturated Paste - Quality Control
Origins Laboratory, Inc.

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

Batch B4E2816 - Saturated Paste pH/EC

Blank (B4E2816-BLK1)

Prepared: 05/28/2024 Analyzed: 05/30/2024

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B4E2816-DUP1)

Source: Y405730-04

Prepared: 05/28/2024 Analyzed: 05/30/2024

pH 8.60 pH Units 8.61 0.116 25

Specific Conductance (EC) 0.327 0.00500 mmhos/cm 0.324 0.861 25

Batch B4E3117 - Saturated Paste pH/EC

Blank (B4E3117-BLK1)

Prepared: 05/31/2024 Analyzed: 05/31/2024

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B4E3117-DUP1)

Source: Y405756-03

Prepared: 05/31/2024 Analyzed: 05/31/2024

pH 8.33 pH Units 8.18 1.82 25

Specific Conductance (EC) 0.279 0.00500 mmhos/cm 1.01 114 25

Origins Laboratory, Inc.



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, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - SH Farms C#17-6

Total Metals 7196A - Quality Control
GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2630222 - SW846 3060A										
BLANK (1205768966-BLK)					Prepared: 06/21/2024 Analyzed: 06/22/2024					
Hexavalent Chromium	ND	0.275	mg/kg				-			U
LCS (1205768967-BKS)					Prepared: 06/21/2024 Analyzed: 06/22/2024					
Hexavalent Chromium	3.20	0.324	mg/kg	3.24		98.8	80-120			
DUP (1205768968 D)					Source: 671427001 Prepared: 06/21/2024 Analyzed: 06/22/2024					
Hexavalent Chromium	ND	0.327	mg/kg dry		<0.131		0-50	N/A	50	U
MS (1205768969 S)					Source: 671427001 Prepared: 06/21/2024 Analyzed: 06/22/2024					
Hexavalent Chromium	2.61	0.327	mg/kg dry	3.27	<0.131	77.5	75-125			
DUP (1205768970 D)					Source: 671499002 Prepared: 06/21/2024 Analyzed: 06/22/2024					
Hexavalent Chromium	ND	0.318	mg/kg dry		<0.127		0-50	N/A	50	U
MS (1205768971 S)					Source: 671499002 Prepared: 06/21/2024 Analyzed: 06/22/2024					
Hexavalent Chromium	2.64	0.318	mg/kg dry	3.18	<0.127	81.9	75-125			
ILCS (1205768972-ILCS)					Prepared: 06/21/2024 Analyzed: 06/22/2024					
Hexavalent Chromium	6.83	0.333	mg/kg	6.83		99.9	80-120			

Origins Laboratory, Inc.



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, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - SH Farms C#17-6

Total Metals by 7196A - Quality Control
GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2620365 - SW846 3060A										
BLANK (1205750478-BLK)					Prepared: 06/03/2024 Analyzed: 06/06/2024					
Hexavalent Chromium	ND	0.391	mg/kg				-			U
LCS (1205750479-BKS)					Prepared: 06/03/2024 Analyzed: 06/06/2024					
Hexavalent Chromium	3.43	0.343	mg/kg	3.43		99.7	80-120			
DUP (1205750480 D)					Source: Y405756-03 Prepared: 06/03/2024 Analyzed: 06/06/2024					
Hexavalent Chromium	ND	0.337	mg/kg dry		<0.135		0-50	N/A	50	U
MS (1205750481 S)					Source: Y405756-03 Prepared: 06/03/2024 Analyzed: 06/06/2024					
Hexavalent Chromium	2.94	0.379	mg/kg dry	3.79	<0.152	77.6	75-125			
DUP (1205750482 D)					Source: 669713009 Prepared: 06/03/2024 Analyzed: 06/06/2024					
Hexavalent Chromium	ND	0.307	mg/kg dry		<0.123		0-50	N/A	50	U
MS (1205750483 S)					Source: 669713009 Prepared: 06/03/2024 Analyzed: 06/06/2024					
Hexavalent Chromium	2.00	0.340	mg/kg dry	3.40	<0.136	56.8	75-125			
ILCS (1205750484-ILCS)					Prepared: 06/03/2024 Analyzed: 06/06/2024					
Hexavalent Chromium	7.51	0.364	mg/kg	7.45		101	80-120			

Origins Laboratory, Inc.



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, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - SH Farms C#17-6

Notes and Definitions

Ua Sample is Non-Detect.

U Result not detected above the detection limit

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

Calculated results may use J-flag data (instead of reported "ND") as part of calculation to provide a more accurate result.

Origins Laboratory, Inc.



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.

Jordan A. Bynon, Project Manager