



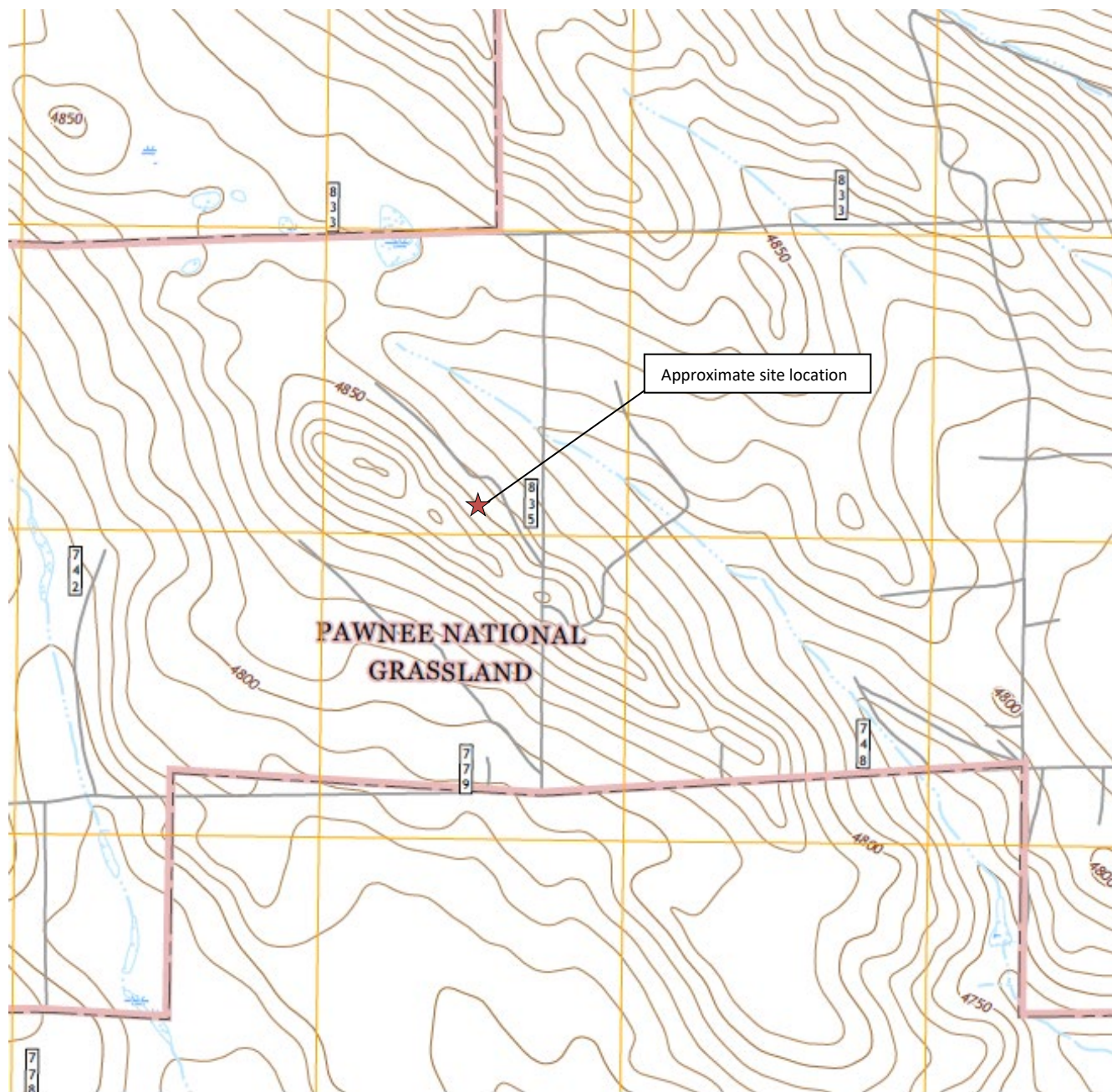
## **FIGURES**

**Figure 1: Topographic Site Location Map**

**Figure 2: Aerial Site Location Map**

**Figure 3: Soil Analytical Map**

**Figure 4: Polycyclic Aromatic Hydrocarbons Map**



**Topographic Site Location Map**

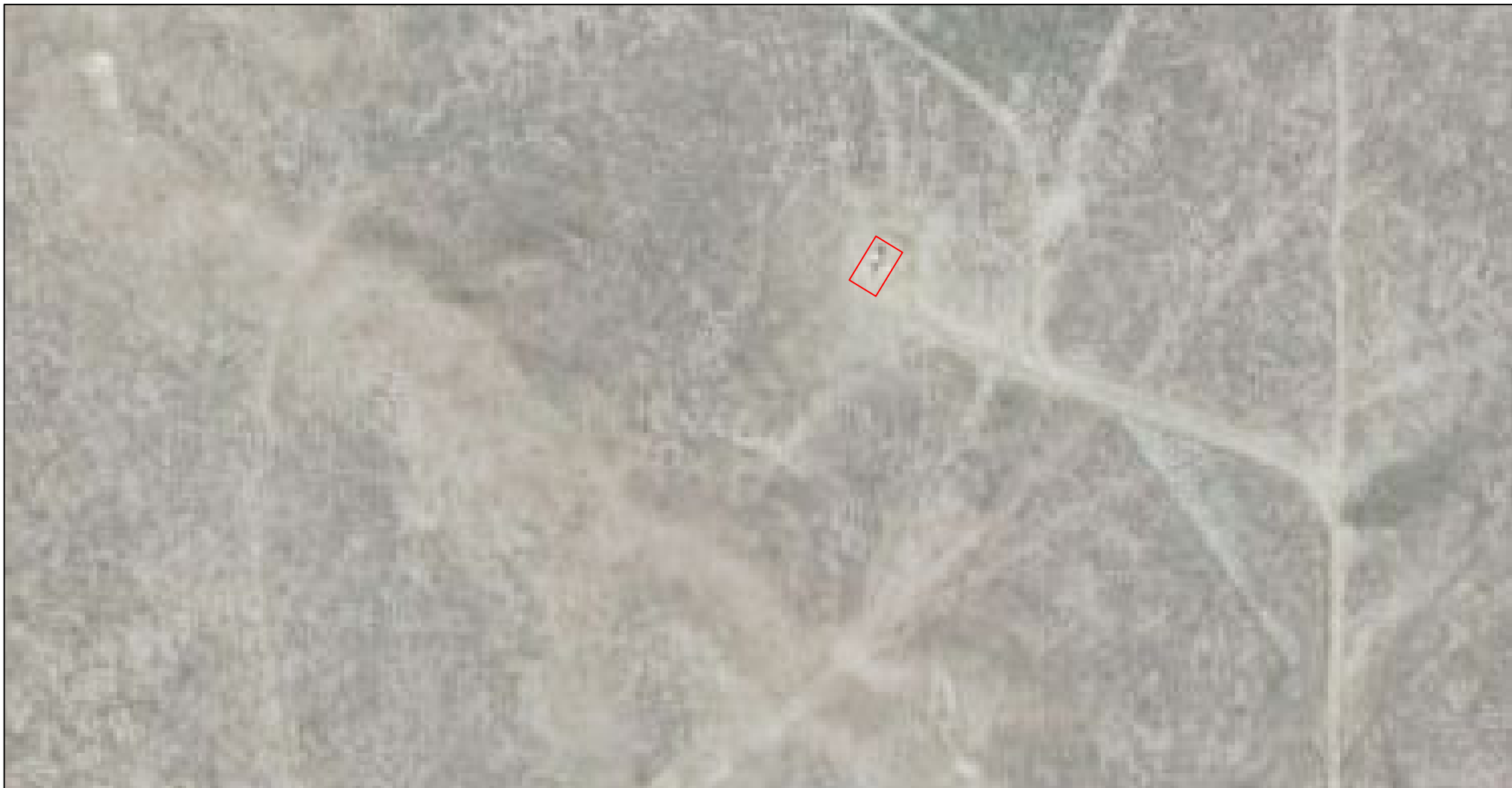
Lilli Unit 8-1  
 Wellhead Assessment  
 40.691660 / -103.916850  
 Se ¼, NE ¼ SEC.1 T8N R59W 6PM  
 Weld County, Colorado  
 API # 05-123-13949  
 Remediation # 16790



**EAGLE**  
 ENVIRONMENTAL  
 CONSULTING, INC.

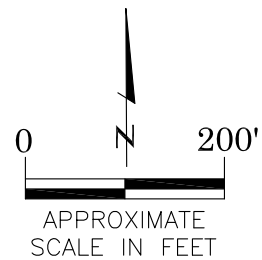
Source: USGS 7.5 Minute Topographic  
 Map, Raymer NW, CO Quadrangle  
 2019

**Figure 1**



# LEGEND

 FORMER LILLI UNIT 8-1 WELLHEAD (PLUGGED AND ABANDONED)



## AERIAL SITE LOCATION MAP

LILLI UNIT 8-1  
WELLHEAD ASSESSMENT  
40.691660 / -103.916850  
SE 1/4 NE 1/4 SEC.1 T8N R59W 6PM  
WELD COUNTY, COLORADO  
API # 05-123-13949  
REMEDATION #16790

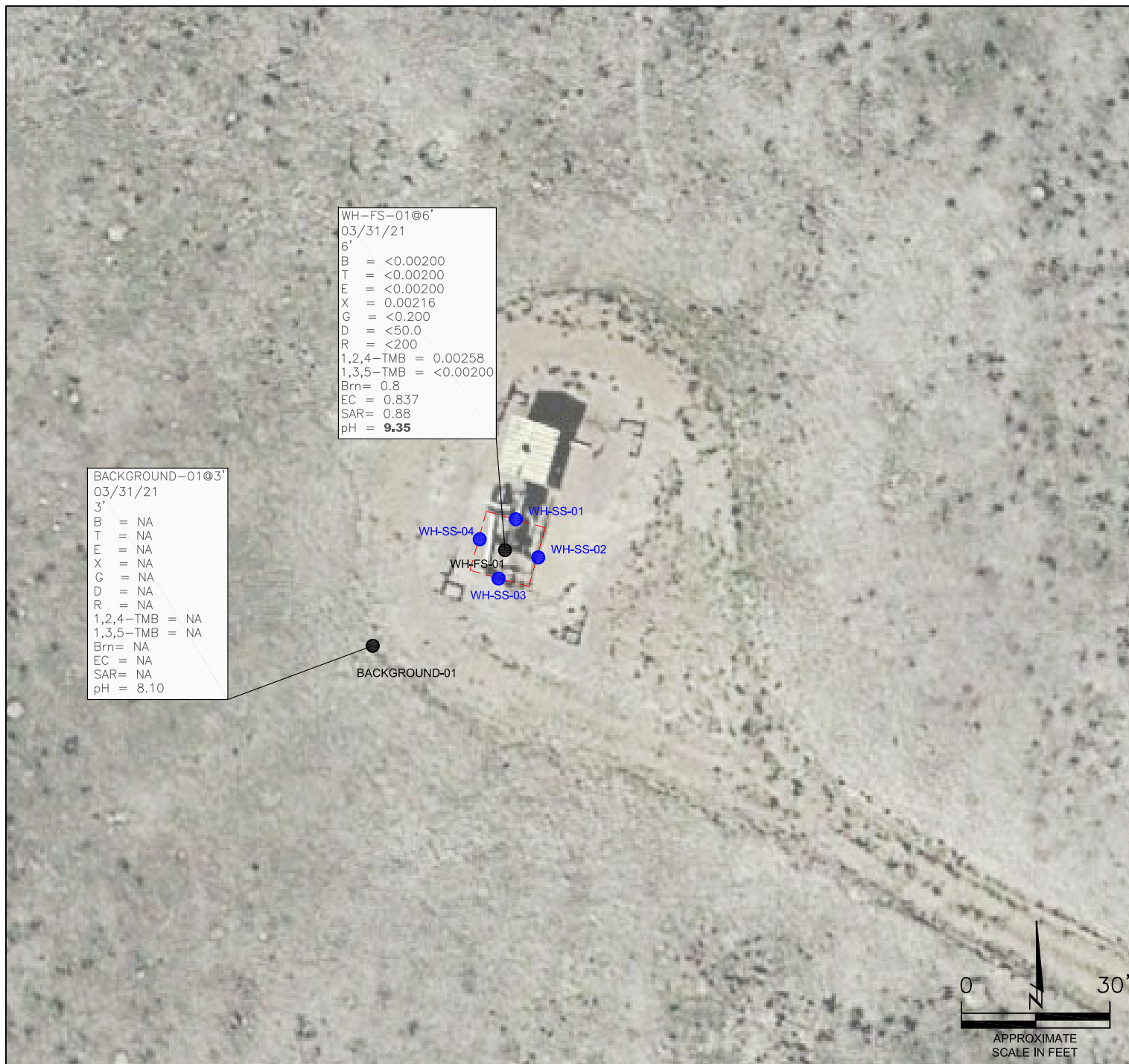
DATE:  
04/21/21

FIG. NO.  
2

DRAWN BY:  
MM



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



WH-FS-01@6'  
03/31/21  
6'  
B = <0.00200  
T = <0.00200  
E = <0.00200  
X = 0.00216  
G = <0.200  
D = <50.0  
R = <200  
1,2,4-TMB = 0.00258  
1,3,5-TMB = <0.00200  
Brn= 0.8  
EC = 0.837  
SAR= 0.88  
pH = **9.35**

BACKGROUND-01@3'  
03/31/21  
3'  
B = NA  
T = NA  
E = NA  
X = NA  
G = NA  
D = NA  
R = NA  
1,2,4-TMB = NA  
1,3,5-TMB = NA  
Brn= NA  
EC = NA  
SAR= NA  
pH = 8.10

#### LEGEND

- APPROXIMATE ASSESSMENT BOUNDARIES
- APPROXIMATE LOCATION OF SOIL SAMPLES FIELD SCREENED, ONLY, WITH PHOTOIONIZATION DETECTOR (PID)
- 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)  
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)

mg/kg = MILLIGRAMS PER KILOGRAM  
mg/L = MILLIGRAMS PER LITER  
NA = NOT ANALYZED

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

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

VALUES PRESENTED IN **BOLD** VALUES CONTAIN CONCENTRATIONS EXCEEDING COGCC TABLE 915-1 REGULATORY LIMITS

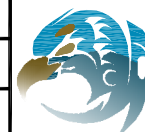
COGCC = COLORADO OIL AND GAS CONSERVATION COMMISSION

SOIL ANALYTICAL MAP  
ULLI UNIT 8-1  
WELLHEAD ASSESSMENT  
40.691660 / -1043.916850  
SE 1/4 NE 1/4 SEC.1 T8N R59W 6PM  
WELD COUNTY, COLORADO  
API # 05-123-13949  
REMEDATION # 16790

DATE:  
05/21/21

DRAWN BY:  
MM

FIG.  
NO. 3



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#### LEGEND

- APPROXIMATE ASSESSMENT BOUNDARIES
- SS-02 APPROXIMATE LOCATION OF SOIL SAMPLES FIELD SCREENED, ONLY, WITH PHOTOIONIZATION DETECTOR (PID)
- SS-02 APPROXIMATE LOCATION OF SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

#### PARAMETERS

SAMPLE LOCATION  
DATE SAMPLE COLLECTED  
APPROXIMATE DEPTH  
  
POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)

NOTE:  
CONCENTRATIONS PRESENTED IN mg/kg

mg/kg = MILLIGRAMS PER KILOGRAM

MDL = MINIMUM DETECTION LIMIT

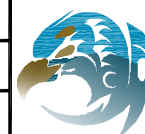
NOTE:  
VALUES PRESENTED WITH A LESS THAN SYMBOL (<) DID NOT CONTAIN CONCENTRATIONS AT OR ABOVE LABORATORY MDL AND/OR REPORTING LIMITS

POLYCYCLIC AROMATIC HYDROCARBONS MAP  
LILLI UNIT 8-1  
WELLHEAD ASSESSMENT  
40.691660 / -1043.916850  
SE 1/4 NE 1/4 SEC.1 T8N R59W 6PM  
WELD COUNTY, COLORADO  
API # 05-123-13949  
REMEDATION # 16790

DATE:  
05/21/21

DRAWN BY:  
MM

FIG.  
NO. 4



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## **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**  
**LILLI UNIT 8-1**  
**WELLHEAD ASSESSMENT**  
**40.691660 / -103.916850**  
**SE1/4 NE1/4 SEC.1 T8N R59W 6PM**  
**WELD COUNTY, COLORADO**  
**API # 05-123-13949**  
**REMEDATION # 16790**

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	PID Reading (ppm-v)	Lab Submission (Y/N)
WH-SS-01 @ 3' (40.691687736 / -103.916841254)	03/31/21	3	12.2	N
WH-SS-02 @ 3' (40.691651903 / -103.916830103)	03/31/21	3	2.5	N
WH-SS-03 @ 3' (40.691650453 / -103.916870675)	03/31/21	3	16.8	N
WH-SS-04 @ 3' (40.691672439 / -103.916869379)	03/31/21	3	12.9	N
WH-FS-01 @ 6' (40.691664031 / -103.916856898)	03/31/21	6	17.5	Y
Background-SS-01 @ 3' (40.691610931 / -103.916985454)	03/31/21	3	6.0	Y
(Y/N) = Yes or No ppm-v = parts per million by volume PID - Photoionization detector				

TABLE 2  
SOIL ANALYTICAL RESULTS SUMMARY  
LILLI UNIT 8-1  
WELLHEAD ASSESSMENT  
40.691660 / -103.916850  
SE1/4 NE1/4 SEC.1 T8N R59W 6PM  
WELD COUNTY, COLORADO  
API # 05-123-13949  
REMEDATION # 16790

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
<b>COGCC Table 915-1 Residential Screening Levels (mg/kg)</b>				<b>1.20</b>	<b>490</b>	<b>5.8</b>	<b>58</b>	<b>500</b>			<b>30</b>	<b>27</b>	<b>2</b>	<b>&lt;4</b>	<b>6-8.3</b>	<b>&lt;6</b>
WH-FS-01 @ 6' (40.691664031 / -103.916856898)	03/31/21	6	17.5	<0.00200	<0.00200	<0.00200	0.00216	<0.200	<50.0	<200	0.00258	<0.00200	0.8	0.837	<b>9.35</b>	0.88
Background-SS-01 @ 3' (40.691610931 / -103.916985454)	03/31/21	3	6.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.10	NA
COGCC = Colorado Oil and Gas Conservation 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 Adsorption Ratio Note: Values presented with a less than symbol (<) did not contain concentrations at or above the laboratory reporting limit. Note: Values presented in <b>BOLD</b> contained concentrations exceeding COGCC Table 915-1 Regulatory Limits																



TABLE 3  
POLYCYCLIC AROMATIC HYDROCARBONS ANALYTICAL RESULTS SUMMARY  
LILLI UNIT 8-1  
WELLHEAD ASSESSMENT  
40.691660 / -103.916850  
SE1/4 NE1/4 SEC.1 T8N R59W 6PM  
WELD COUNTY, COLORADO  
API # 05-123-13949  
REMEDATION # 16790

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)	Ideno(1,2,3- cd)-pyrene (mg/kg)	Naphthalene (mg/kg)	Pyrene (mg/kg)
<b>COGCC Table 915-1 Residential Screening Levels</b>				18	24	360	1,800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	2	180
<b>COGCC Table 915-1 Protection of Groundwater Soil Screening Levels</b>				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
WH-FS-01 @ 6' (40.691664031 / -103.916856898)	03/31/21	6	17.5	0.00122	0.00154	<0.00067	<0.00067	<0.00067	0.000271	0.000417	<0.00067	0.00128	<0.00067	<0.00067	<0.00067	<0.00067	0.000581	0.00048
COGCC = Colorado Oil and Gas Conservation Commission mg/kg = milligrams per kilogram Note: Values presented with a less than symbol (<) did not contain concentrations at or above the laboratory reporting limit. Note: Values presented in <b>BOLD</b> contained concentrations exceeding COGCC Table 915-1 Regulatory Limits																		



## **ATTACHMENT A**

### **Photo Log**

# Lilli Unit 8-1

## API # 05-123-13949

## Remediation # 16790

Wellhead Assessment

March 2021



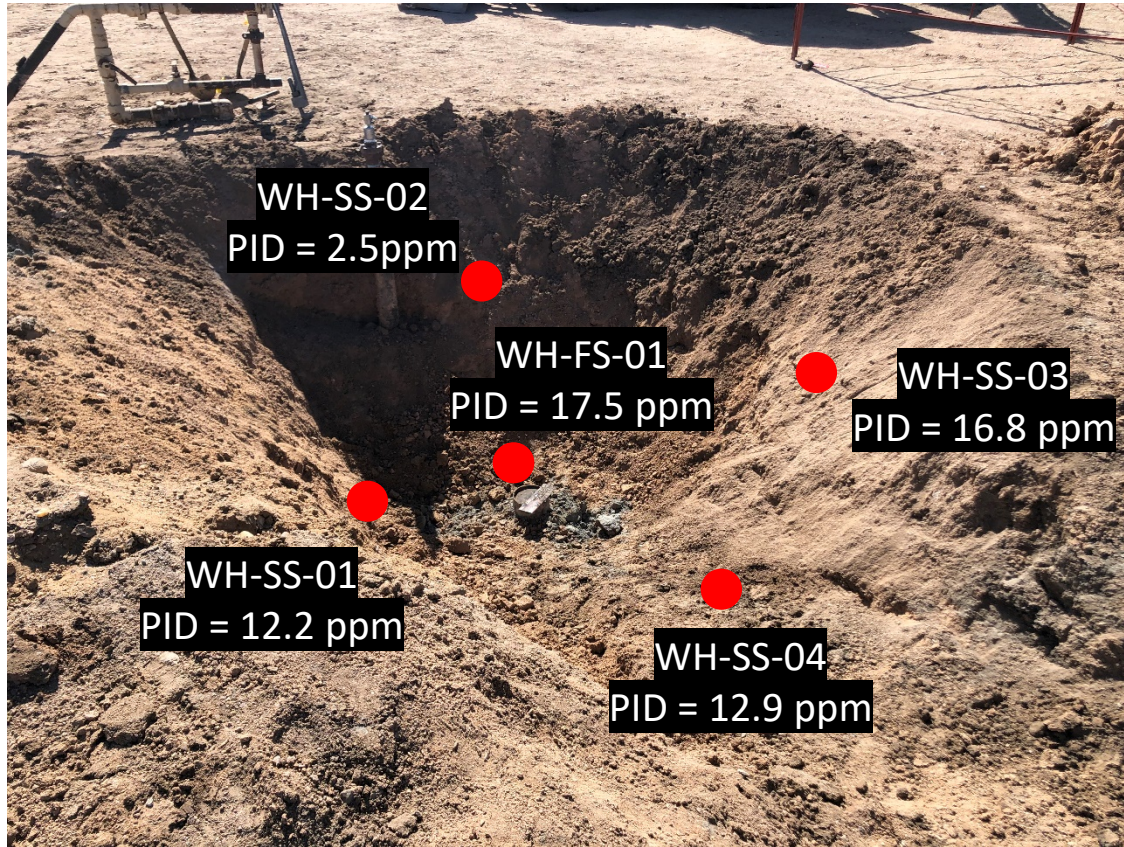
**EAGLE**  
ENVIRONMENTAL  
CONSULTING, INC.

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





## Wellhead excavation



Looking southeast  
No petroleum hydrocarbon staining or odor observed

## Background location



Looking north towards wellhead excavation  
No petroleum hydrocarbon staining or odor observed



## **ATTACHMENT B**

### **Laboratory Analytical Report**





April 12, 2021

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

**Project Name - Noble - Lilli Unit 8-1**

**Project Number - 425779113**

Attached are your analytical results for Noble - Lilli Unit 8-1 received by Origins Laboratory, Inc. March 31, 2021. This project is associated with Origins project number Y103555-01.

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, Inc.

8000 W 44th Ave

Wheat Ridge CO 80033

Martin C Eckert III

Project Number: 425779113

Project: Noble - Lilli Unit 8-1

### CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-FS-01@6'	Y103555-01	Soil	March 31, 2021 11:05	03/31/2021 16:25

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

*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.*



Martin C Eckert III  
Project Number: 425779113  
Project: Noble - Lilli Unit 8-1

[illegible]

Origins Laboratory, Inc.

Jeff Pelligrini

Jen Pellegrini For Noelle Doyle Mathis, President

*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, Inc.  
8000 W 44th Ave  
Wheat Ridge CO 80033

Martin C Eckert III  
Project Number: 425779113  
Project: Noble - Lilli Unit 8-1

Origins Laboratory

## Sample Receipt Checklist

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

Origins Work Order: Y103555

Client: Eagle

Client Project ID: Noble-Lilli

Checklist Completed by: jm

Shipped Via: HD

Date/time completed: 3-5-12

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Airbill #: MTA

Matrix(s) Received: (Check all that apply): ☒ Soil/Solid

☐ Water

☐ Other:

Cooler Number/Temperature: 1 12-6-c / 1 °C / 1 °C (Describe) °C

Thermometer ID: T003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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 type="checkbox"/>	<input checked="" 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"/>	
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely <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"/>	
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) 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 and was it checked <sup>(1)</sup> ? (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 <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH > 10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH).	<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 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) jm

Date/Time Reviewed 4-1-12

Origins Laboratory, Inc.

*Jefe Pellegrini*

Jen Pellegrini For Noelle Doyle Mathis, President

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, Inc.  
8000 W 44th Ave  
Wheat Ridge CO 80033

Martin C Eckert III  
Project Number: 425779113  
Project: Noble - Lilli Unit 8-1

WH-FS-01@6'

3/31/2021 11:05:00AM

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

AAL, Inc.  
Y103555-01 (Soil)

## Boron (Sorbitol)

Boron	0.8			mg/L	1	[none]	04/07/2021	04/09/2021	
-------	-----	--	--	------	---	--------	------------	------------	--

## DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	50.0	mg/kg	1	B1C3108	03/31/2021	04/01/2021	U
Residual Range Organics (C28-C40)	ND	200	"	"	"	"	"	U

Surrogate: o-Terphenyl	71.1 %	50-150			"	"	"
------------------------	--------	--------	--	--	---	---	---

## GBTEX+TMBs

1,2,4-Trimethylbenzene	0.00258	0.00200	mg/kg	1	B1C3111	03/31/2021	04/01/2021	
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U
Xylenes, total	0.00216	0.00200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	110 %	70-130			"	"	"
Surrogate: Toluene-d8	89.8 %	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.

Jen Pellegrini For Noelle Doyle Mathis, President

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

Martin C Eckert III  
Project Number: 425779113  
Project: Noble - Lilli Unit 8-1

WH-FS-01@6'

3/31/2021 11:05:00AM

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

Origins Laboratory, Inc.  
Y103555-01 (Soil)

## GBTEX+TMBs

Surrogate: 4-Bromofluorobenzene 92.0 % 70-130 B1C31 11 03/31/2021 04/01/2021

## Metals (Saturated Paste Prep)

Calcium	5.76		me/L	1	[none]	04/07/2021	04/09/2021
Magnesium	1.45		"	"	"	"	"
Sodium	1.68		"	"	"	"	"

## PAH by EPA 8270D SIM

1-Methylnaphthalene	0.00122	0.00048	0.00067	mg/Kg	1	L545262	04/05/2021	04/05/2021
2-Methylnaphthalene	0.00154	0.000542	0.00067	"	"	"	"	"
Acenaphthene	ND	0.000431	0.00067	"	"	"	"	"
Anthracene	ND	0.000426	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000441	0.00067	"	"	"	"	"
Benzo(a)pyrene	0.000271	0.000133	0.00067	"	"	"	"	" J
Benzo(b)fluoranthene	0.000417	0.000138	0.00067	"	"	"	"	" J
Benzo(k)fluoranthene	ND	0.000486	0.00067	"	"	"	"	"
Chrysene	0.00128	0.000256	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000279	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000529	0.00067	"	"	"	"	"
Fluorene	ND	0.000501	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.000344	0.00067	"	"	"	"	"

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.

Jen Pellegrini For Noelle Doyle Mathis, President

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

Martin C Eckert III  
Project Number: 425779113  
Project: Noble - Lilli Unit 8-1

WH-FS-01@6'

3/31/2021 11:05:00AM

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

Waypoint Analytical, Inc.  
Y103555-01 (Soil)

## PAH by EPA 8270D SIM

Naphthalene	0.000581	0.000467	0.00067	mg/Kg	1	L545262	04/05/2021	04/05/2021	J
Pyrene	0.00048	0.000387	0.00067	"	"	"	"	"	J

Surrogate: 2-Fluorobiphenyl	54.4 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	63.2 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	44.1 %		29-110			"	"	"	

## pH in Soil by EPA 9045D

pH	9.35			pH Units	1	B1D0203	04/02/2021	04/02/2021	
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## SAR by 20B Saturated Paste

SAR	0.88				1	[none]	04/07/2021	04/09/2021	
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## Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.837		0.00500	mmhos/cm	1	B1D0204	04/02/2021	04/02/2021	
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Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President

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

Martin C Eckert III  
Project Number: 425779113  
Project: Noble - Lilli Unit 8-1

**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
<b>Batch B1C3108 - EPA 3550B</b>										
<b>Blank (B1C3108-BLK1)</b>					Prepared: 03/31/2021 Analyzed: 03/31/2021					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	21		"	25.0		82.5	50-150			

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**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
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**Batch B1C3108 - EPA 3550B**

**LCS (B1C3108-BS1)**

Prepared: 03/31/2021 Analyzed: 03/31/2021

Diesel (C10-C28)	793	50.0	mg/kg	1000		79.3	70-130			
Residual Range Organics (C28-C40)	740	200	"	1000		74.0	70-130			
Surrogate: o-Terphenyl	41		"	50.0		81.9	50-150			

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Martin C Eckert III  
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**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
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**Batch B1C3108 - EPA 3550B**

Matrix Spike (B1C3108-MS1)		Source: Y103530-03			Prepared: 03/31/2021 Analyzed: 04/01/2021					
Diesel (C10-C28)	8600	50.0	mg/kg	1000	6400	220	70-130			QM-02
Residual Range Organics (C28-C40)	7120	200	"	1000	5140	197	70-130			QM-02
Surrogate: o-Terphenyl	23		"	50.0		45.3	50-150			S-02

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Project Number: 425779113  
Project: Noble - Lilli Unit 8-1

## 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
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### Batch B1C3108 - EPA 3550B

Matrix Spike Dup (B1C3108-MSD1)		Source: Y103530-03			Prepared: 03/31/2021 Analyzed: 03/31/2021					
Diesel (C10-C28)	10800	50.0	mg/kg	1000	6400	438	70-130	22.5	35	QM-02
Residual Range Organics (C28-C40)	8380	200	"	1000	5140	323	70-130	16.3	35	QM-02
Surrogate: o-Terphenyl	27		"	50.0		54.0	50-150			

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Project: Noble - Lilli Unit 8-1

## 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
<b>Batch B1C3111 - EPA 5030 (soil)</b>										
<b>Blank (B1C3111-BLK1)</b>					Prepared: 03/31/2021 Analyzed: 03/31/2021					
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
Naphthalene	ND	0.0100	"							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Toluene	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Xylenes, total	ND	0.00200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		92.6	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.1	70-130			

Origins Laboratory, Inc.



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Project: Noble - Lilli Unit 8-1

**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
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**Batch B1C3111 - EPA 5030 (soil)**

**LCS (B1C3111-BS1)**

Prepared: 03/31/2021 Analyzed: 03/31/2021

1,2,4-Trimethylbenzene	0.0601	0.00200	mg/kg	0.0500		120	70-130			
Naphthalene	0.0444	0.0100	"	0.0500		88.8	70-130			
1,3,5-Trimethylbenzene	0.0594	0.00200	"	0.0500		119	70-130			
Benzene	0.0533	0.00200	"	0.0500		107	70-130			
Ethylbenzene	0.0584	0.00200	"	0.0500		117	70-130			
m,p-Xylene	0.118	0.00400	"	0.100		118	70-130			
o-Xylene	0.0580	0.00200	"	0.0500		116	70-130			
Toluene	0.0543	0.00200	"	0.0500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		95.7	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	70-130			

Origins Laboratory, Inc.



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Martin C Eckert III  
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Project: Noble - Lilli Unit 8-1

**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
<b>Batch B1C3111 - EPA 5030 (soil)</b>										
<b>Matrix Spike (B1C3111-MS1)</b>		<b>Source: Y103543-01</b>			Prepared: 03/31/2021 Analyzed: 03/31/2021					
1,2,4-Trimethylbenzene	0.0558	0.00200	mg/kg	0.0500	0.000540	111	70-130			
Naphthalene	0.0577	0.0100	"	0.0500	0.00122	113	70-130			
1,3,5-Trimethylbenzene	0.0539	0.00200	"	0.0500	ND	108	70-130			
Benzene	0.0527	0.00200	"	0.0500	ND	105	70-130			
Ethylbenzene	0.0521	0.00200	"	0.0500	ND	104	70-130			
m,p-Xylene	0.105	0.00400	"	0.100	ND	105	70-130			
o-Xylene	0.0536	0.00200	"	0.0500	ND	107	70-130			
Toluene	0.0517	0.00200	"	0.0500	ND	103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		98.1	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.0	70-130			

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**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
<b>Batch B1C3111 - EPA 5030 (soil)</b>										
<b>Matrix Spike Dup (B1C3111-MSD1)</b>		<b>Source: Y103543-01</b>			Prepared: 03/31/2021 Analyzed: 03/31/2021					
1,2,4-Trimethylbenzene	0.0533	0.00200	mg/kg	0.0500	0.000540	106	70-130	4.55	20	
Naphthalene	0.0505	0.0100	"	0.0500	0.00122	98.6	70-130	13.2	20	
1,3,5-Trimethylbenzene	0.0525	0.00200	"	0.0500	ND	105	70-130	2.74	20	
Benzene	0.0496	0.00200	"	0.0500	ND	99.2	70-130	6.06	20	
Ethylbenzene	0.0522	0.00200	"	0.0500	ND	104	70-130	0.192	20	
m,p-Xylene	0.105	0.00400	"	0.100	ND	105	70-130	0.400	20	
o-Xylene	0.0539	0.00200	"	0.0500	ND	108	70-130	0.633	20	
Toluene	0.0492	0.00200	"	0.0500	ND	98.3	70-130	5.08	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		97.4	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

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Project: Noble - Lilli Unit 8-1

**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
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**Saturated Paste - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B1D0203 - NO PREP**

<b>Duplicate (B1D0203-DUP1)</b>	<b>Source: Y103555-01</b>		Prepared: 04/02/2021 Analyzed: 04/02/2021							
pH	9.61		pH Units		9.35			2.74	25	

**Batch B1D0204 - NO PREP**

<b>Blank (B1D0204-BLK1)</b>	Prepared: 04/02/2021 Analyzed: 04/02/2021									
Specific Conductance (EC)	0.00380	0.00500	mmhos/cm							
<b>Duplicate (B1D0204-DUP1)</b>	<b>Source: Y103555-01</b>		Prepared: 04/02/2021 Analyzed: 04/02/2021							
Specific Conductance (EC)	0.932	0.00500	mmhos/cm		0.837			10.7	25	

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**PAH by EPA 8270D SIM - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L545262 - 3550B**

MSD (L 87654-MSD-L545262)		Source: 87654			Prepared: 04/05/2021 Analyzed: 04/05/2021					
Benzo(k)fluoranthene	0.121	0.000486	mg/Kg	0.167	<0.000486	72.4	30-130	3.2	30	
Benzo(a)anthracene	0.12	0.000441	"	0.167	0.000502	71.8	30-130	0.8	30	
Anthracene	0.129	0.000426	"	0.167	<0.000426	77.2	30-130	3.1	30	
Acenaphthene	0.116	0.000431	"	0.167	<0.000431	69.4	30-130	1.7	30	
2-Methylnaphthalene	0.101	0.000542	"	0.167	<0.000542	60.4	30-130	1.3	30	
1-Methylnaphthalene	0.101	0.00048	"	0.167	<0.000480	60.4	30-130	2.1	30	
Pyrene	0.135	0.000387	"	0.167	<0.000387	80.8	30-130	0.7	30	
Naphthalene	0.0964	0.000467	"	0.167	<0.000467	57.7	30-130	1.8	30	
Indeno(1,2,3-cd)pyrene	0.0935	0.000344	"	0.167	<0.000344	55.9	30-130	4.3	30	
Fluorene	0.12	0.000501	"	0.167	<0.000501	71.8	30-130	1.6	30	
Fluoranthene	0.133	0.000529	"	0.167	<0.000529	79.6	30-130	2.2	30	
Dibenz(a,h)anthracene	0.0999	0.000279	"	0.167	<0.000279	59.8	30-130	2	30	
Chrysene	0.114	0.000256	"	0.167	<0.000256	68.2	30-130	0.8	30	
Benzo(a)pyrene	0.126	0.000133	"	0.167	<0.000133	75.4	30-130	2.4	30	
Benzo(b)fluoranthene	0.102	0.000138	"	0.167	<0.000138	61	30-130	3.6	30	
Surrogate: 4-Terphenyl-d14	78		"	0.333	231	78	33-122			
Surrogate: 2-Fluorobiphenyl	68.1		"	0.333	203	68.1	33-115			
Surrogate: Nitrobenzene-d5	56.4		"	0.333	179	56.4	29-110			

MS (L 87654-MS-L545262)		Source: 87654			Prepared: 04/05/2021 Analyzed: 04/05/2021					
Benzo(a)pyrene	0.123	0.000133	mg/Kg	0.167	<0.000133	73.6	30-130			
Chrysene	0.113	0.000256	"	0.167	<0.000256	67.6	30-130			
Pyrene	0.134	0.000387	"	0.167	<0.000387	80.2	30-130			
Naphthalene	0.0946	0.000467	"	0.167	<0.000467	56.6	30-130			
Indeno(1,2,3-cd)pyrene	0.0977	0.000344	"	0.167	<0.000344	58.5	30-130			
Fluorene	0.118	0.000501	"	0.167	<0.000501	70.6	30-130			
Fluoranthene	0.13	0.000529	"	0.167	<0.000529	77.8	30-130			

Origins Laboratory, Inc.



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Martin C Eckert III  
Project Number: 425779113  
Project: Noble - Lilli Unit 8-1

**PAH by EPA 8270D SIM - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L545262 - 3550B**

MS (L 87654-MS-L545262)		Source: 87654			Prepared: 04/05/2021 Analyzed: 04/05/2021					
Dibenz(a,h)anthracene	0.102	0.000279	mg/Kg	0.167	<0.000279	61	30-130			
Benzo(b)fluoranthene	0.0983	0.000138	"	0.167	<0.000138	58.8	30-130			
Benzo(a)anthracene	0.119	0.000441	"	0.167	0.000502	71.2	30-130			
Anthracene	0.125	0.000426	"	0.167	<0.000426	74.8	30-130			
Acenaphthene	0.114	0.000431	"	0.167	<0.000431	68.2	30-130			
2-Methylnaphthalene	0.0996	0.000542	"	0.167	<0.000542	59.6	30-130			
Benzo(k)fluoranthene	0.125	0.000486	"	0.167	<0.000486	74.8	30-130			
1-Methylnaphthalene	0.0989	0.00048	"	0.167	<0.000480	59.2	30-130			
Surrogate: Nitrobenzene-d5	55.2		"	0.333	179	55.2	29-110			
Surrogate: 2-Fluorobiphenyl	68.4		"	0.333	203	68.4	33-115			
Surrogate: 4-Terphenyl-d14	78.3		"	0.333	231	78.3	33-122			

LCS (LCS-L545262)		Prepared: 04/05/2021 Analyzed: 04/05/2021								
Dibenz(a,h)anthracene	0.103	0.000279	mg/Kg	0.167		61.6	30-130			
Fluoranthene	0.134	0.000529	"	0.167		80.2	30-130			
Pyrene	0.134	0.000387	"	0.167		80.2	30-130			
Fluorene	0.118	0.000501	"	0.167		70.6	30-130			
Indeno(1,2,3-cd)pyrene	0.102	0.000344	"	0.167		61	30-130			
Chrysene	0.117	0.000256	"	0.167		70	30-130			
Naphthalene	0.0949	0.000467	"	0.167		56.8	30-130			
Benzo(b)fluoranthene	0.107	0.000138	"	0.167		64	30-130			
Benzo(a)pyrene	0.127	0.000133	"	0.167		76	30-130			
Benzo(a)anthracene	0.124	0.000441	"	0.167		74.2	30-130			
Acenaphthene	0.115	0.000431	"	0.167		68.8	30-130			
2-Methylnaphthalene	0.0995	0.000542	"	0.167		59.5	30-130			
1-Methylnaphthalene	0.0992	0.00048	"	0.167		59.4	30-130			
Anthracene	0.127	0.000426	"	0.167		76	30-130			

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**PAH by EPA 8270D SIM - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch L545262 - 3550B</b>										
<b>LCS (LCS-L545262)</b>					Prepared: 04/05/2021 Analyzed: 04/05/2021					
Benzo(k)fluoranthene	0.115	0.000486	mg/Kg	0.167		68.8	30-130			
Surrogate: Nitrobenzene-d5	60		"	0.333		60	29-110			
Surrogate: 4-Terphenyl-d14	84.6		"	0.333		84.6	33-122			
Surrogate: 2-Fluorobiphenyl	73.2		"	0.333		73.2	33-115			
<b>LRB (LRB-L545262)</b>					Prepared: 04/05/2021 Analyzed: 04/05/2021					
Chrysene	ND	0.00067	mg/Kg				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Naphthalene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Benzo(a)anthracene	0.000532	0.00067	"				-			J
Acenaphthene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Pyrene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	55.2		"	0.333		55.2	29-110			
Surrogate: 4-Terphenyl-d14	69.6		"	0.333		69.6	33-122			
Surrogate: 2-Fluorobiphenyl	61.2		"	0.333		61.2	33-115			

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Martin C Eckert III  
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Project: Noble - Lilli Unit 8-1

### Notes and Definitions

- U Sample is Non-Detect.
- S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
- QM-02 The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
- J Estimated Value. Analyte below reported quantitation limit.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- All soil results are reported on a wet weight basis.

Origins Laboratory, Inc.



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DATE REPORTED: 04/09/2021

## SOIL TEST RESULTS

LAB NUMBER	FIELD IDENTIFICATION	SAMPLE IDENTIFICATION	Depth Inches	pH 1 : 1 Soil Buffer Woodruff	EL	SOLUBLE SALTS mod. SP mmhos/cm	OM LOI %	NITRATE-N (FIA) ppm lbs/A	P1 ppm Bicarb ppm P2 ppm M2 ppm M3 ppm
3330489	Y103555	01	0-8						

LAB NUMBER	SULFATE-S  Ca-P ppm	NH4OAc (Exchangeable)				DTPA				BORON  Sorbitol ppm	EST. CATION EXCHANGE CAPACITY (CEC) me/100g	% SATURATION					
		K ppm	Ca ppm	Mg ppm	Na ppm	Zn ppm	Fe ppm	Mn ppm	Cu ppm			BASE	H	Ca	Mg	K	Na
3330489											0.8						

[illegible]

## SUGGESTED FERTILIZER RECOMMENDATIONS

LAB NUMBER	FIELD IDENTIFICATION	SAMPLE IDENTIFICATION	CROP TO BE GROWN	YIELD GOAL	N	P2O5	K2O	S	Zn	MgO	Fe	Mn	Cu	B	CI
3330489	Y103555	01							lbs/A						

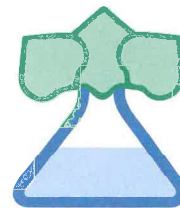
Recommendations By: American Agricultural Lab

# American Agricultural Laboratory, Inc.

700 West D St. / P.O. Box 370 / McCook, Nebraska 69001

Office: 308-345-3670 / FAX: 308-345-7880 / [www.AmAgLab.com](http://www.AmAgLab.com)

*"Analysis You Can Grow With"®*



ORIGINS LABORATORY INC  
1725 ELK PLACE  
DENVER, CO 80211

DATE RECEIVED: 4/7/2021  
DATE REPORTED: 4/9/2021  
ACCOUNT NO: 95029  
GROWER: ORIGINS

## SOIL BORON REPORT

Lab #	Field ID	Sample ID	B, mg/L
3330489	Y103555	1	0.8

*Magn Sch*

### Method Used:

Provin, T., and H. Zhang. 2014. DTPA and DTPA-Sorbitol Extraction of Micronutrients.  
Soil Test Methods From the Southeastern United States 2014



**Your Lab's letterhead here...**

Address

City, St. Zip

Phone/Fax

## SUBCONTRACT ORDER

### Sending Laboratory:

Origins Laboratory, Inc.  
1725 West Elk Place  
Denver, CO 80211  
Phone: 303.433.1322  
Fax: 303.265.9645

Project Manager: Noelle Doyle Mathis

### Subcontracted Laboratory:

American Agricultural Laboratory, Inc  
210 East 1st Street  
McCook, NE 69001  
Phone: (308) 345-3670  
Fax: (308) 345-7880

### Work Order: Y103555

Analysis	Due	Expires	Comments
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**Sample ID: Y103555-01 Soil Sampled: 03/31/2021 11:05**

SAR (Saturated Paste Prep)	04/07/2021	04/01/2021	11:05
Boron (DTPA Sorbitol)	04/07/2021	04/01/2021	11:05

Containers Supplied:

Released By

Date

4/1/21

Received By

Date

4/7/21





April 27, 2021

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

**Project Name - Noble - Lilli Unit 8-1**

**Project Number - [none]**

Attached are your analytical results for Noble - Lilli Unit 8-1 received by Origins Laboratory, Inc. April 26, 2021. This project is associated with Origins project number Y104459-01.

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, Inc.

8000 W 44th Ave

Wheat Ridge CO 80033

Martin C Eckert III

Project Number: [none]

Project: Noble - Lilli Unit 8-1

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Background-01@3'	Y104459-01	Soil	March 31, 2021 11:07	04/26/2021 15:57

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, Inc.  
8000 W 44th Ave  
Wheat Ridge CO 80033

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Lilli Unit 8-1

Origins Laboratory

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

## Sample Receipt Checklist

Origins Work Order: Y104459 Client: Eagle  
Client Project ID: Lilli Unit 8-1  
Checklist Completed by: JG Shipped Via: HD  
Date/time completed: 4/26/21 (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
Airbill #: N/A  
Matrix(s) Received: (Check all that apply): ☒ Soil/Solid ☐ Water ☐ Other: \_\_\_\_\_  
(Describe)  
Cooler Number/Temperature: 1 / 4.6 °C 1 °C 1 °C 1 °C  
Thermometer ID: 1003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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 type="checkbox"/>	<input checked="" 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"/>	
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely <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"/>	
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) 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 and was it checked <sup>(1)</sup> ? (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 <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH >10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)	<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 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)

Date/Time Reviewed 4/26/21

Origins Laboratory, Inc.

*Jordan A. Merrill*

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, Inc.  
8000 W 44th Ave  
Wheat Ridge CO 80033

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Lilli Unit 8-1

**Background-01@3'**

**3/31/2021 11:07:00AM**

Analyte	Result	Reporting	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
		Limit							

**Origins Laboratory, Inc.**  
**Y104459-01 (Soil)**

**pH in Soil by EPA 9045D**

pH	8.10	pH Units	1	B1D2707	DJL	04/27/2021	04/27/2021
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Origins Laboratory, Inc.



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

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Lilli Unit 8-1

**Saturated Paste - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B1D2707 - NO PREP

Duplicate (B1D2707-DUP1)

Source: Y104428-01

Prepared: 04/27/2021 Analyzed: 04/27/2021

pH	7.11		pH Units		7.45			4.67	25	
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.

8000 W 44th Ave

Wheat Ridge CO 80033

Martin C Eckert III

Project Number: [none]

Project: Noble - Lilli Unit 8-1

### Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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