



FIGURES

Figure 1: Topographic Site Location Map

Figure 2: Aerial Site Location Map

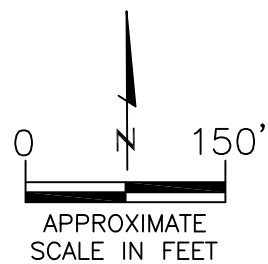
Figure 3: Soil Analytical Map

Figure 4: Polycyclic Aromatic Hydrocarbons Map



LEGEND

- ASSOCIATED TANK BATTERY
- FORMER FUEGO C #1-19 WELLHEAD (PLUGGED & ABANDONED)
- ASSOCIATED FLOWLINE (REMOVED)
- ASSOCIATED FLOWLINE (ABANDONED IN PLACE)



AERIAL SITE LOCATION MAP

FUEGO C #1-19
CLOSURE ASSESSMENT
40.345490 / -104.503600
NW1/4 NW1/4 SEC.1 T4N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-23166
REMEDIAL # 20100

DATE:

03/03/22

FIG. NO.

2

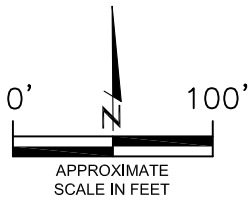
DRAWN BY:

GEC



EAGLE
ENVIRONMENTAL
CONSULTING, INC.

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



LEGEND

- INITIAL ASSESSMENT BOUNDARIES
- APPROXIMATE FLOWLINE LOCATION (REMOVED)
- APPROXIMATE FLOWLINE LOCATION (ABANDONED)
- APPROXIMATE LOCATION OF SOIL SAMPLES FIELD SCREENED, ONLY, WITH PHOTOIONIZATION DETECTOR
- 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
mmhos/cm = MILLIMHOS PER CENTIMETER

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

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

VALUES PRESENTED IN **BOLD** TYPEFACE CONTAIN CONCENTRATIONS EXCEEDING THE APPLICABLE COGCC TABLE 915-1 REGULATORY LIMITS FOR THAT COMPOUND.

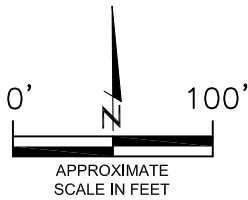
COGCC - COLORADO OIL AND GAS CONSERVATION COMMISSION

SOIL ANALYTICAL MAP
FUEGO C #1-19
CLOSURE ASSESSMENT
40.345490 / -104.503600
NW1/4 NW1/4 SEC.1 T4N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-23166
REMEDATION # 20100

DATE:
03/03/22
DRAWN BY:
GEC
FIG.
NO. 3



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Ph: 303-433-0479 • F: 303-325-5449



LEGEND

- INITIAL ASSESSMENT BOUNDARIES
- APPROXIMATE FLOWLINE LOCATION (REMOVED)
- APPROXIMATE FLOWLINE LOCATION (ABANDONED)
- APPROXIMATE LOCATION OF SOIL SAMPLES FIELD SCREENED, ONLY, WITH PHOTOIONIZATION DETECTOR
- 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
NOTE:
VALUES PRESENTED WITH A LESS THAN SYMBOL (<) DID NOT
CONTAIN CONCENTRATIONS AT OR ABOVE LABORATORY
REPORTING LIMITS
VALUES PRESENTED IN **BOLD** TYPEFACE CONTAIN
CONCENTRATIONS EXCEEDING THE APPLICABLE COGCC TABLE
915-1 REGULATORY LIMITS FOR THAT COMPOUND.
VALUES WITH ASTERISK (*) EXCEED COGCC TABLE 915-1
PROTECTION OF GROUNDWATER SOIL SCREENING LEVELS FOR
THAT COMPOUND.
COGCC - COLORADO OIL AND GAS CONSERVATION COMMISSION

POLYCYCLIC AROMATIC HYDROCARBONS MAP
FUEGO C #1-19
CLOSURE ASSESSMENT
40.345490 / -104.503600
NW1/4 NW1/4 SEC.1 T4N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-23166
REMEDATION # 20100

DATE:
03/03/22
DRAWN BY:
GEC
FIG.
NO. 4



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Ph: 303-433-0479 • F: 303-325-5449



ATTACHMENT A

Photo Log

Fuego C #1-19
API # 05-123-23166
Remediation # 20100

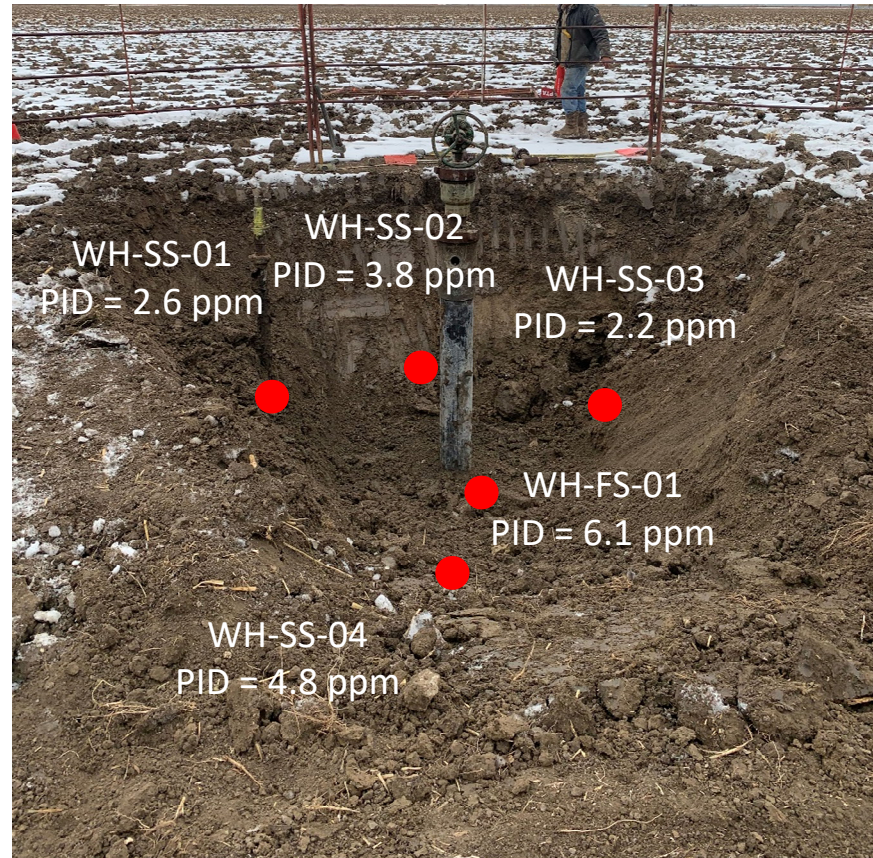
Closure Assessment
January/February 2022



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



Wellhead Excavation – 01/18/22



Looking east
No petroleum hydrocarbon staining or odor observed

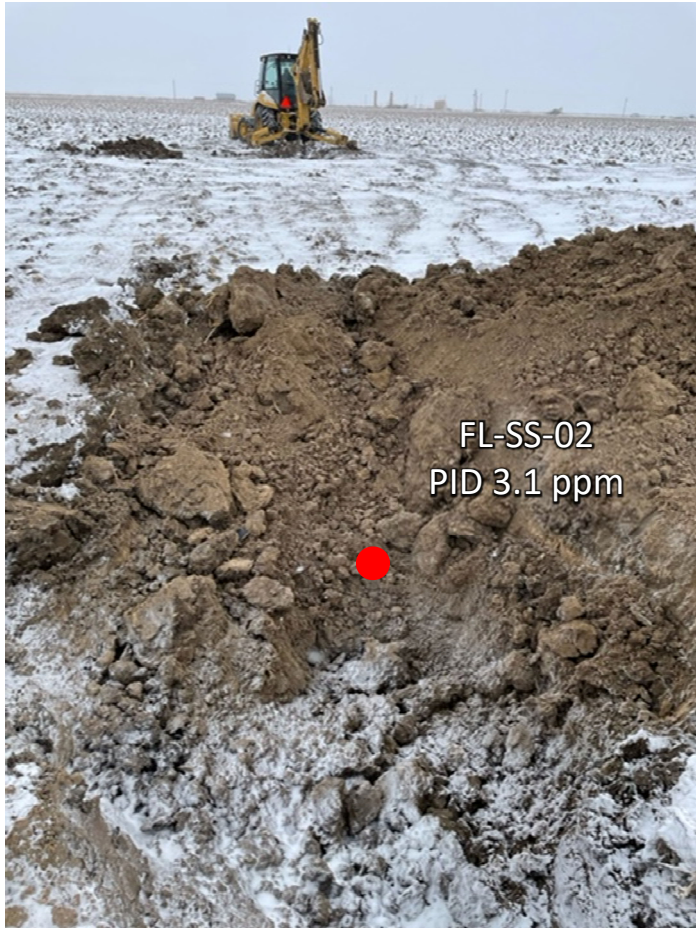
Flowline Assessment – 02/23/2022



Looking north

No petroleum hydrocarbon staining or odor observed

Flowline Assessment – 02/23/2022



Looking north

No petroleum hydrocarbon staining or odor observed

Flowline Assessment – 02/23/2022



Looking north at change of direction location
No petroleum hydrocarbon staining or odor observed



ATTACHMENT B

Laboratory Analytical Report



March 03, 2022

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Fuego C #1-19

Project Number - [none]

Attached are your analytical results for Noble - Fuego C #1-19 received by Origins Laboratory, Inc. February 23, 2022. This project is associated with Origins project number Y202517-01.

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 - Fuego C #1-19

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL-SS-03@3'	Y202517-01	Soil	February 23, 2022 12:15	02/23/2022 15:39

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 - Fuego C #1-19

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4202517

Client: Eagle

Client Project ID: Fuego 1-19

Checklist Completed by: KEH

Shipped Via: HD

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

Date/time completed: 2/23/22

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 2-6 °C / _____ °C / _____ °C (Describe)

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 ⁽¹⁾ ?	<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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<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 ⁽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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note 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 2-24-22

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 - Fuego C #1-19

FL-SS-03@3'

2/23/2022 12:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y202517-01 (Soil)

Boron (DTPA Sorbitol)

Boron	1.11	0.0993	mg/L	1	B2B2503	02/25/2022	02/28/2022	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2B2401	02/24/2022	03/01/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	97.3 %	50-150	"	"	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2B2404	02/24/2022	02/26/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	114 %	70-130	"	"	"	"	"
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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 - Fuego C #1-19

FL-SS-03@3'

2/23/2022 12:15:00PM

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

Origins Laboratory, Inc.
Y202517-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	95.4 %	70-130	B2B24 04	02/24/2022	02/26/2022
Surrogate: 4-Bromofluorobenzene	100 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	9.18	0.499	meq/L	10	[CALC]	02/25/2022	03/02/2022
Magnesium	6.11	0.823	"	"	"	"	"
Sodium	12.3	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	0.186	0.00364	0.0067	mg/Kg	10	L601848	02/28/2022	02/28/2022
2-Methylnaphthalene	0.323	0.00645	0.0067	"	"	"	"	"
Acenaphthene	1.6	0.00304	0.0067	"	"	"	"	"
Anthracene	2.46	0.00334	0.0067	"	"	"	"	"
Benzo(a)anthracene	2.8	0.00493	0.0067	"	"	"	"	"
Benzo(a)pyrene	1.89	0.00468	0.0067	"	"	"	"	"
Benzo(b)fluoranthene	2.42	0.00585	0.0067	"	"	"	"	"
Benzo(k)fluoranthene	1.03	0.00437	0.0067	"	"	"	"	"
Chrysene	2.43	0.00624	0.0067	"	"	"	"	"
Dibenz(a,h)anthracene	0.534	0.00614	0.0067	"	"	"	"	"
Fluoranthene	8.73	0.0394	0.067	"	100	"	"	"
Fluorene	1.86	0.00286	0.0067	"	10	"	"	"
Indeno(1,2,3-cd)pyrene	1.26	0.00627	0.0067	"	"	"	"	"

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 - Fuego C #1-19

FL-SS-03@3'

2/23/2022 12:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.
Y202517-01 (Soil)

PAH by 8270D SIM

Naphthalene	1.1	0.00484	0.0067	mg/Kg	10	L601848	02/28/2022	02/28/2022	
Pyrene	6.79	0.0643	0.067	"	100	"	"	"	

Surrogate: 2-Fluorobiphenyl	64.5 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	80.3 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	59.7 %		29-110			"	"	"	

pH in Soil by 9045D

pH	7.83			pH Units	1	B2B2504	02/25/2022	02/26/2022	
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SAR by 20B Saturated Paste

SAR	4.44			SAR	1	B2B2502	02/25/2022	03/02/2022	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.25		0.00500	mmhos/cm	1	B2B2505	02/25/2022	02/26/2022	
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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 - Fuego C #1-19

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 B2B2401 - EPA 3550B										
Blank (B2B2401-BLK1)					Prepared: 02/24/2022 Analyzed: 03/01/2022					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	26		"	24.9		106	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, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Fuego C #1-19

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 B2B2401 - EPA 3550B

LCS (B2B2401-BS1)

Prepared: 02/24/2022 Analyzed: 03/01/2022

Diesel (C10-C28)	1000	50.0	mg/kg	1000		100	70-130			
Residual Range Organics (C28-C40)	887	200	"	1000		88.7	70-130			
Surrogate: o-Terphenyl	60		"	49.8		120	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, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Fuego C #1-19

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 B2B2401 - EPA 3550B

Matrix Spike (B2B2401-MS1)		Source: Y202499-02			Prepared: 02/24/2022 Analyzed: 03/01/2022					
Diesel (C10-C28)	850	50.0	mg/kg	1000	ND	85.0	70-130			
Residual Range Organics (C28-C40)	719	200	"	1000	ND	71.9	70-130			
Surrogate: o-Terphenyl	49		"	49.8		99.0	50-150			

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 - Fuego C #1-19

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 B2B2401 - EPA 3550B

Matrix Spike Dup (B2B2401-MSD1)		Source: Y202499-02			Prepared: 02/24/2022 Analyzed: 03/01/2022					
Diesel (C10-C28)	1070	50.0	mg/kg	1000	ND	107	70-130	22.7	35	
Residual Range Organics (C28-C40)	876	200	"	1000	ND	87.6	70-130	19.7	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, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Fuego C #1-19

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 B2B2404 - EPA 5030 (soil)										
Blank (B2B2404-BLK1)					Prepared: 02/24/2022 Analyzed: 02/26/2022					
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.0100	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125	101		70-130			
Surrogate: Toluene-d8	0.12		"	0.125	98.1		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, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Fuego C #1-19

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 B2B2404 - EPA 5030 (soil)

LCS (B2B2404-BS1)

Prepared: 02/24/2022 Analyzed: 02/26/2022

1,2,4-Trimethylbenzene	0.0863	0.00200	mg/kg	0.100		86.3	70-130			
1,3,5-Trimethylbenzene	0.0877	0.00200	"	0.100		87.7	70-130			
Benzene	0.0884	0.00200	"	0.100		88.4	70-130			
Ethylbenzene	0.0850	0.00200	"	0.100		85.0	70-130			
Naphthalene	0.0883	0.0100	"	0.100		88.3	70-130			
Toluene	0.0839	0.00200	"	0.100		83.9	70-130			
o-Xylene	0.0865	0.00200	"	0.100		86.5	70-130			
m,p-Xylene	0.170	0.00400	"	0.200		85.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		101	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

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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 - Fuego C #1-19

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 B2B2404 - EPA 5030 (soil)

Matrix Spike (B2B2404-MS1)		Source: Y202499-01			Prepared: 02/24/2022 Analyzed: 02/26/2022					
1,2,4-Trimethylbenzene	0.0885	0.00200	mg/kg	0.100	0.00344	85.1	70-130			
1,3,5-Trimethylbenzene	0.134	0.00200	"	0.100	0.0198	114	70-130			
Benzene	0.0881	0.00200	"	0.100	ND	88.1	70-130			
Ethylbenzene	0.0875	0.00200	"	0.100	0.000800	86.7	70-130			
Naphthalene	0.0830	0.0100	"	0.100	0.00368	79.3	70-130			
Toluene	0.0843	0.00200	"	0.100	ND	84.3	70-130			
o-Xylene	0.0915	0.00200	"	0.100	0.00142	90.1	70-130			
m,p-Xylene	0.177	0.00400	"	0.200	0.00358	86.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		103	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		111	70-130			

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Martin C Eckert III
Project Number: [none]
Project: Noble - Fuego C #1-19

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 B2B2404 - EPA 5030 (soil)										
Matrix Spike Dup (B2B2404-MSD1)		Source: Y202499-01			Prepared: 02/24/2022 Analyzed: 02/26/2022					
1,2,4-Trimethylbenzene	0.0786	0.00200	mg/kg	0.100	0.00344	75.2	70-130	11.8	20	
1,3,5-Trimethylbenzene	0.113	0.00200	"	0.100	0.0198	93.6	70-130	16.4	20	
Benzene	0.0829	0.00200	"	0.100	ND	82.9	70-130	6.08	20	
Ethylbenzene	0.0818	0.00200	"	0.100	0.000800	81.0	70-130	6.76	20	
Naphthalene	0.0691	0.0100	"	0.100	0.00368	65.4	70-130	18.2	20	QM-07
Toluene	0.0790	0.00200	"	0.100	ND	79.0	70-130	6.49	20	
o-Xylene	0.0859	0.00200	"	0.100	0.00142	84.5	70-130	6.29	20	
m,p-Xylene	0.163	0.00400	"	0.200	0.00358	79.5	70-130	8.32	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		103	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		115	70-130			

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Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Fuego C #1-19

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 B2B2504 - NO PREP

Duplicate (B2B2504-DUP1)

Source: Y202506-17

Prepared: 02/25/2022 Analyzed: 02/26/2022

pH	7.07		pH Units	7.23		2.24	25
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Batch B2B2505 - NO PREP

Blank (B2B2505-BLK1)

Prepared: 02/25/2022 Analyzed: 02/26/2022

Specific Conductance (EC)	0.000800	0.00500	mmhos/cm
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Duplicate (B2B2505-DUP1)

Source: Y202506-17

Prepared: 02/25/2022 Analyzed: 02/26/2022

Specific Conductance (EC)	0.274	0.00500	mmhos/cm	0.296		7.87	25
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Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Fuego C #1-19

PAH by 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 L601848 - 3550B

MSD (L 97515-MSD-L601848)		Source: 97515			Prepared: 02/28/2022 Analyzed: 02/28/2022					
1-Methylnaphthalene	0.0932	0.000364	mg/Kg	0.166	0.00211	54.8	30-130	4.7	30	
Benzo(a)anthracene	0.101	0.000493	"	0.166	0.00239	59.4	30-130	6.6	30	
Anthracene	0.1	0.000334	"	0.166	0.0021	58.9	30-130	5.8	30	
Acenaphthene	0.0975	0.000304	"	0.166	0.00192	57.5	30-130	4.5	30	
Chrysene	0.101	0.000624	"	0.166	0.00208	59.5	30-130	3.8	30	
2-Methylnaphthalene	0.093	0.000645	"	0.166	0.00208	54.7	30-130	4.6	30	
Pyrene	0.105	0.000643	"	0.166	0.00237	61.8	30-130	8.2	30	
Benzo(b)fluoranthene	0.106	0.000585	"	0.166	0.002	62.6	30-130	2.7	30	
Naphthalene	0.0917	0.000484	"	0.166	0.00213	53.9	30-130	3.1	30	
Indeno(1,2,3-cd)pyrene	0.111	0.000627	"	0.166	0.00254	65.3	30-130	6.5	30	
Fluorene	0.101	0.000286	"	0.166	0.00222	59.5	30-130	6.6	30	
Fluoranthene	0.051	0.000394	"	0.166	0.00164	29.7	30-130	10.2	30	*
Dibenz(a,h)anthracene	0.111	0.000614	"	0.166	0.00267	65.2	30-130	1.8	30	
Benzo(k)fluoranthene	0.0914	0.000437	"	0.166	0.0021	53.7	30-130	0.3	30	
Benzo(a)pyrene	0.113	0.000468	"	0.166	0.00288	66.3	30-130	7.6	30	
Surrogate: 4-Terphenyl-d14	67		"	0.331	216	67	33-122			
Surrogate: 2-Fluorobiphenyl	64.3		"	0.331	205	64.3	33-115			
Surrogate: Nitrobenzene-d5	58.6		"	0.331	188	58.6	29-110			

MS (L 97515-MS-L601848)		Source: 97515			Prepared: 02/28/2022 Analyzed: 02/28/2022					
Benzo(b)fluoranthene	0.109	0.000585	mg/Kg	0.166	0.002	64.4	30-130			
Dibenz(a,h)anthracene	0.109	0.000614	"	0.166	0.00267	64	30-130			
Pyrene	0.114	0.000643	"	0.166	0.00237	67.2	30-130			
Naphthalene	0.0946	0.000484	"	0.166	0.00213	55.7	30-130			
Indeno(1,2,3-cd)pyrene	0.104	0.000627	"	0.166	0.00254	61.1	30-130			
Fluorene	0.108	0.000286	"	0.166	0.00222	63.7	30-130			
Fluoranthene	0.0565	0.000394	"	0.166	0.00164	33	30-130			

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Martin C Eckert III
Project Number: [none]
Project: Noble - Fuego C #1-19

PAH by 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 L601848 - 3550B

MS (L 97515-MS-L601848)		Source: 97515			Prepared: 02/28/2022 Analyzed: 02/28/2022					
2-Methylnaphthalene	0.0974	0.000645	mg/Kg	0.166	0.00208	57.4	30-130			
Benzo(a)pyrene	0.122	0.000468	"	0.166	0.00288	71.7	30-130			
Benzo(a)anthracene	0.108	0.000493	"	0.166	0.00239	63.6	30-130			
Anthracene	0.106	0.000334	"	0.166	0.0021	62.5	30-130			
Acenaphthene	0.102	0.000304	"	0.166	0.00192	60.2	30-130			
Benzo(k)fluoranthene	0.0917	0.000437	"	0.166	0.0021	53.9	30-130			
1-Methylnaphthalene	0.0977	0.000364	"	0.166	0.00211	57.5	30-130			
Chrysene	0.105	0.000624	"	0.166	0.00208	62	30-130			
Surrogate: Nitrobenzene-d5	59.6		"	0.332	188	59.6	29-110			
Surrogate: 4-Terphenyl-d14	71.3		"	0.332	216	71.3	33-122			
Surrogate: 2-Fluorobiphenyl	66.2		"	0.332	205	66.2	33-115			

LCS (LCS-L601848)		Prepared: 02/28/2022 Analyzed: 02/28/2022								
Dibenz(a,h)anthracene	0.147	0.000614	mg/Kg	0.167		88	30-130			
Fluoranthene	0.124	0.000394	"	0.167		74.2	30-130			
Fluorene	0.117	0.000286	"	0.167		70	30-130			
Indeno(1,2,3-cd)pyrene	0.142	0.000627	"	0.167		85	30-130			
Naphthalene	0.102	0.000484	"	0.167		61	30-130			
Pyrene	0.124	0.000643	"	0.167		74.2	30-130			
Acenaphthene	0.11	0.000304	"	0.167		65.8	30-130			
Chrysene	0.12	0.000624	"	0.167		71.8	30-130			
Benzo(b)fluoranthene	0.135	0.000585	"	0.167		80.8	30-130			
Benzo(a)pyrene	0.132	0.000468	"	0.167		79	30-130			
Anthracene	0.117	0.000334	"	0.167		70	30-130			
2-Methylnaphthalene	0.106	0.000645	"	0.167		63.4	30-130			
1-Methylnaphthalene	0.106	0.000364	"	0.167		63.4	30-130			
Benzo(a)anthracene	0.123	0.000493	"	0.167		73.6	30-130			

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Martin C Eckert III
Project Number: [none]
Project: Noble - Fuego C #1-19

PAH by 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 L601848 - 3550B

LCS (LCS-L601848)

Prepared: 02/28/2022 Analyzed: 02/28/2022

Benzo(k)fluoranthene	0.12	0.000437	mg/Kg	0.167		71.8	30-130			
Surrogate: Nitrobenzene-d5	65.1		"	0.333		65.1	29-110			
Surrogate: 4-Terphenyl-d14	76.5		"	0.333		76.5	33-122			
Surrogate: 2-Fluorobiphenyl	70.8		"	0.333		70.8	33-115			

LRB (LRB-L601848)

Prepared: 02/28/2022 Analyzed: 02/28/2022

Pyrene	ND	0.00067	mg/Kg				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
Naphthalene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	64.8		"	0.333		64.8	29-110			
Surrogate: 4-Terphenyl-d14	72		"	0.333		72	33-122			
Surrogate: 2-Fluorobiphenyl	69		"	0.333		69	33-115			

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Project: Noble - Fuego C #1-19

Notes and Definitions

U Sample is Non-Detect.

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

* QC Failure

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

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