

Wellhead Closure Checklist

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

Additional attachments (optional):		Pit Closure		Tank Battery Closure		Flowline Closure	7-18-2018	Partially Buried Vault Closure
Site Name & COGCC Facility Number: <i>Marie D #4-19</i>		Date: <i>11-18-21</i>						Remediation Project #: <i>19146</i>
Associated Wells: <i>1</i> <i>05-123-22512</i>		Age of Site: <i>years</i>						Number of Photos Attached: <i>1</i>
Location: (GPS coordinates of wellhead or southeastern most wellhead for multiple) <i>40.258193 / -104.559836</i>								Estimated Facility Size (acres):
General Condition of Site: (General observations regarding housekeeping, corrosion, waste management, etc.) <i>Good Condition</i>								
USCS Soil Type: <i>SM</i>				Estimated Depth to Groundwater: <i>~10-15'</i>				
Hydrocarbon Impacted Soils / Spills: (Note estimated size and if impact appears to be surficial or extends to an unknown depth) <i>None observed</i>								
Salt Crusted Soils or Impacted Vegetation: (Note estimated size and if impact appears to be surficial or extends to an unknown depth) <i>None observed</i>								
Wellhead(s)								
Well API	<i>05-123-22512</i>							
Age	<i>years</i>							
Condition of surface around wellhead	<i>Good - Per Crew</i>							
PID Readings	<i>N/A - Excavated upon arrival</i>							
Condition of subsurface (staining, odor)	<i>Good - no staining, no odor</i>							
PID Readings	<i>1.2</i>	<i>0.8</i>	<i>0.7</i>	<i>1.2</i>	<i>1.3</i>			
Sample taken? Location/Sample ID	<i>WH-SS-01 05'</i>	<i>WH-SS-02 05'</i>	<i>WH-SS-03 05'</i>	<i>WH-SS-04 05'</i>	<i>WH-FS-01 06'</i>			
Photo Number(s)	<i>See photolog</i>							
Other observations regarding wellheads: <i>River cut/capped after assessment</i>								
Summary								
Was impacted soil identified? <input checked="" type="radio"/> No Yes - less than 10 cubic yards Yes - more than 10 cubic yards								
Total number of samples field screened: <i>5</i>				Total number of samples collected: <i>5</i>				
Highest PID Reading: <i>1.3</i>				Total number of samples submitted to lab for analysis: <i>1</i>				
If more than 10 cubic yards of impacted soil were observed:								
Vertical extent:				Estimated spill volume:				
Lateral extent: <i>N/A</i>				Volume of soil removed:				
Is additional investigation required? <i>N/A</i>								
Was groundwater encountered during the investigation? <input checked="" type="radio"/> 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:				
Seen 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:								



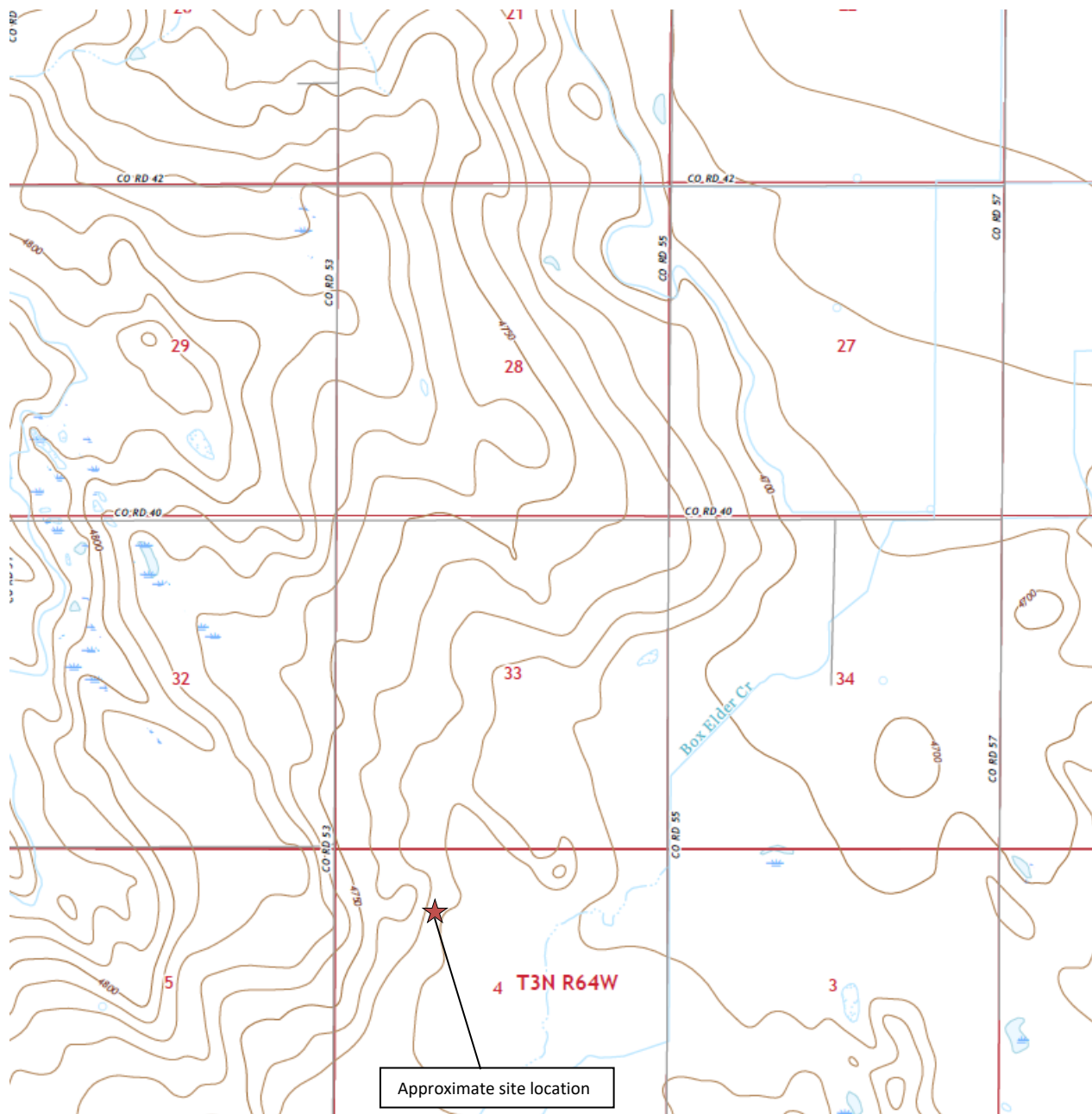
FIGURES

Figure 1: Topographic Site Location Map

Figure 2: Aerial Site Location Map

Figure 3: Soil Analytical Map

Figure 4: Polycyclic Aromatic Hydrocarbons Map



Topographic Site Location Map
 Marie D #4-19
 Closure Assessment
 40.258200 / -104.559800
 SE¼ NW¼ SEC.4 T3N R64W 6PM
 Weld County, Colorado
 API # 05-123-22512
 Remediation # 19146



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 CONSULTING, INC.

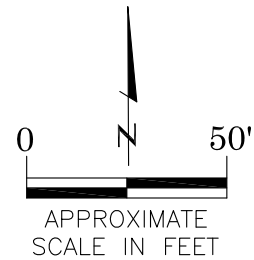
Source: USGS 7.5 Minute Topographic
 Map: Valley View School, CO
 Quadrangle 2019

Figure 1



LEGEND

FORMER MARIE D #4-19 WELLHEAD (PLUGGED AND ABANDONED)



AERIAL SITE LOCATION MAP

MARIE D #4-19
CLOSURE ASSESSMENT
40.258200 / -104.559800
SE¼ NW¼ SEC.4 T3N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-22512
REMEDIAL # 19146

DATE: 02/18/21

FIG. NO.
2

DRAWN BY:
RTG



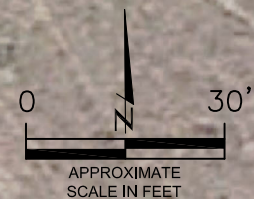
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CONSULTING, INC.
8000 W 44th Ave, Wheat Ridge, CO 80033
Ph: 303-433-0479 • F: 303-325-5449

BACKGROUND-01@2'
11/18/21
2'
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 = 7.09

WH-FS-01@6'
11/18/21
6'
B = <0.00200
T = <0.00200
E = <0.00200
X = <0.00200
G = <0.200
D = <25.0
R = <100
1,2,4-TMB = <0.00200
1,3,5-TMB = <0.00200
Brn = <0.203
EC = 0.902
SAR = 5.72
pH = **8.66**

BACKGROUND-01

WH-SS-01
WH-FS-01
WH-SS-02
WH-SS-04
WH-SS-03



LEGEND

- INITIAL ASSESSMENT BOUNDARIES
- 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

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

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

VALUES PRESENTED IN **BOLD** VALUES CONTAIN CONCENTRATIONS THAT EXCEED COGCC TABLE 915-1 REGULATORY LIMITS FOR THAT COMPOUND.

VALUES PRESENTED WITH ASTERISK (*) EXCEED COGCC TABLE 915-1 PROTECTION OF GROUNDWATER SOIL SCREENING LEVELS FOR THAT COMPOUND.

COGCC = COLORADO OIL AND GAS CONSERVATION COMMISSION

SOIL ANALYTICAL MAP
MARIE D #4-19
CLOSURE ASSESSMENT
40.258200 / -104.559800
SE 1/4 NW 1/4 SEC. 4 T3N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-22512
REMIATION # 19146

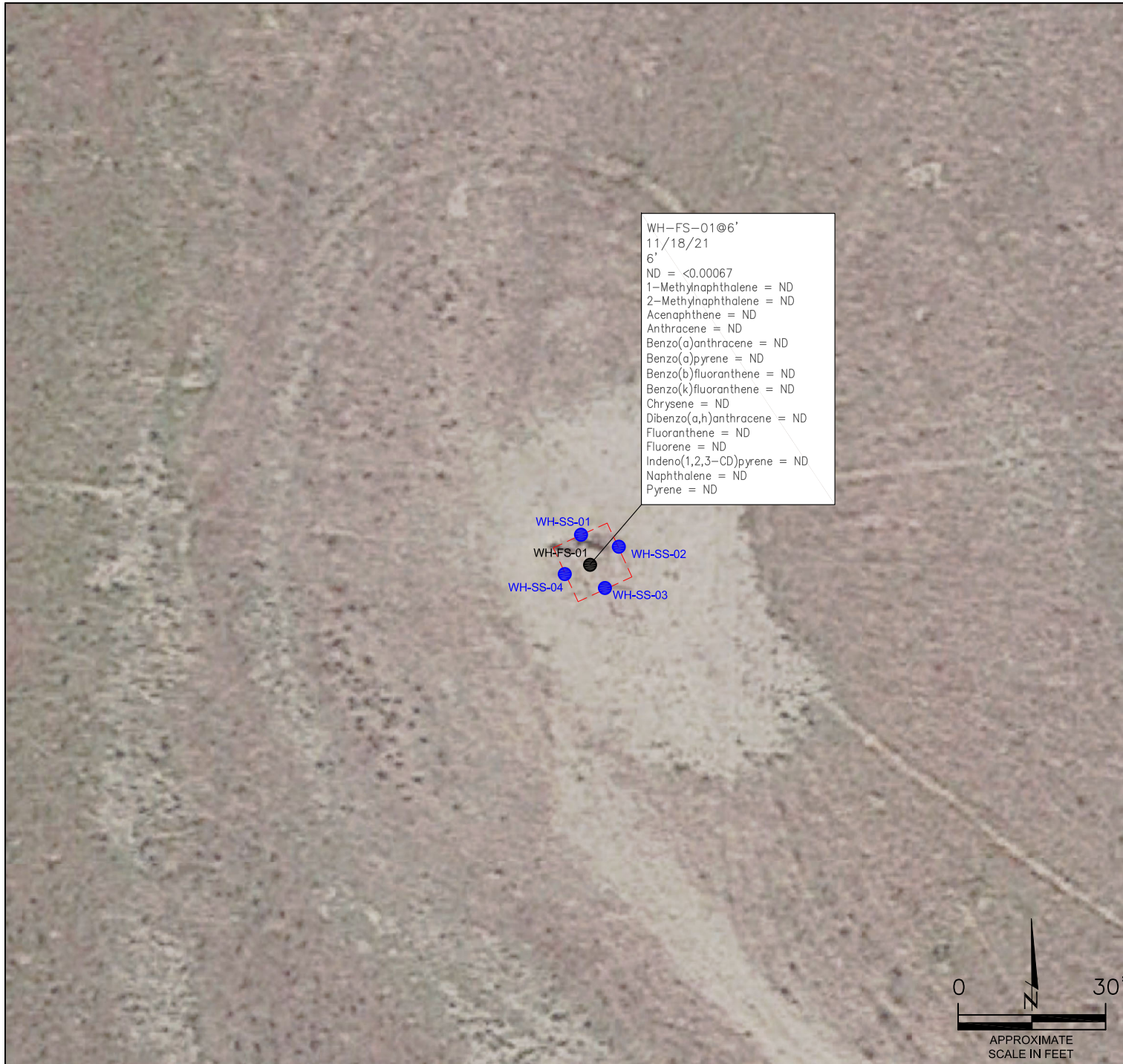
DATE:
02/18/22

DRAWN BY:
RTG

FIG.
NO. 3



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LEGEND

- INITIAL ASSESSMENT BOUNDARIES
- SS-02 APPROXIMATE LOCATION OF SOIL SAMPLES FIELD SCREENED, ONLY, WITH PHOTOIONIZATION DETECTOR
- 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

ND = NON-DETECT

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

POLYCYCLIC AROMATIC HYDROCARBONS MAP

MARIE D #4-19
CLOSURE ASSESSMENT
40.258200 / -104.559800
SE¼ NW¼ SEC.4 T3N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-22512
REMEDIAL # 19146

DATE:
02/18/22

DRAWN BY:
RTG

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
MARIE D #4-19
CLOSURE ASSESSMENT
40.258200 / -104.559800
SE1/4 NW1/4 SEC.4 T3N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-22512
REMEDATION # 19146

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	PID Reading (ppm-v)	Lab Submission (Y/N)
WH-SS-01 @ 5' (40.258202 / -104.559834)	11/18/21	5	1.2	N
WH-SS-02 @ 5' (40.258192 / -104.559807)	11/18/21	5	0.8	N
WH-SS-03 @ 5' (40.258177 / -104.559816)	11/18/21	5	0.7	N
WH-SS-04 @ 5' (40.258184 / -104.559834)	11/18/21	5	1.2	N
WH-FS-01 @ 6' (40.258185 / -104.559824)	11/18/21	6	1.3	Y
Background-01 @ 2' (40.258242 / -104.559923)	11/18/21	2	0.6	Y
(Y/N) = Yes or No ppm-v = parts per million by volume PID = photoionization detector				

TABLE 2
SOIL ANALYTICAL RESULTS SUMMARY
MARIE D #4-19
CLOSURE ASSESSMENT
40.258200 / -104.559800
SE1/4 NW1/4 SEC.4 T3N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-22512
REMEDATION # 19146

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
COGCC Table 915-1 Residential Screening Levels (mg/kg)				1.20	490	5.8	58	500			30	27	2	<4	6-8.3	<6
COGCC Table 915-1 Protection of Groundwater Soil Screening Levels				0.0026	0.69	0.78	9.9	--			0.0081	0.0087	--	--	--	--
WH-FS-01 @ 6' (40.258185 / -104.559824)	11/18/21	6	1.3	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00200	<0.00200	<0.203	0.902	8.66	5.72
Background-01 @ 2' (40.258242 / -104.559923)	11/18/21	2	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.09	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 BOLD contained concentrations exceeding COGCC Table 915-1 Regulatory Limits. Values presented with asterisk (*) exceed COGCC Table 915-1 Protection of Groundwater Soil Screening Levels for that compound																

TABLE 3
POLYCYCLIC AROMATIC HYDROCARBONS ANALYTICAL RESULTS SUMMARY
MARIE D #4-19
CLOSURE ASSESSMENT
40.258200 / -104.559800
SE1/4 NW1/4 SEC.4 T3N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-22512
REMEDATION # 19146

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	PID Reading (ppm-v)	1-Methyl- naphthalene (mg/kg)	2-Methyl- naphthalene (mg/kg)	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo(a)-anthracene (mg/kg)	Benzo(a)- pyrene (mg/kg)	Benzo(b)- fluoranthene (mg/kg)	Benzo(k)- fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo(a,h)- anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno(1,2,3-cd)- pyrene (mg/kg)	Naphthalene (mg/kg)	Pyrene (mg/kg)
COGCC Table 915-1 Residential Screening Levels				18	24	360	1,800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	2	180
COGCC Table 915-1 Protection of Groundwater Soil Screening Levels				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' (40.258185 / -104.559824)	11/18/21	6	1.3	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067

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 **BOLD** contained concentrations exceeding COGCC Table 915-1 Regulatory Limits. Values presented with asterisk (*) exceed COGCC Table 915-1 Protection of Groundwater Soil Screening Levels for that compound



ATTACHMENT A

Photo Log

Marie D #4-19
API # 05-123-22512
Remediation # 19146

Closure Assessment

November 2021



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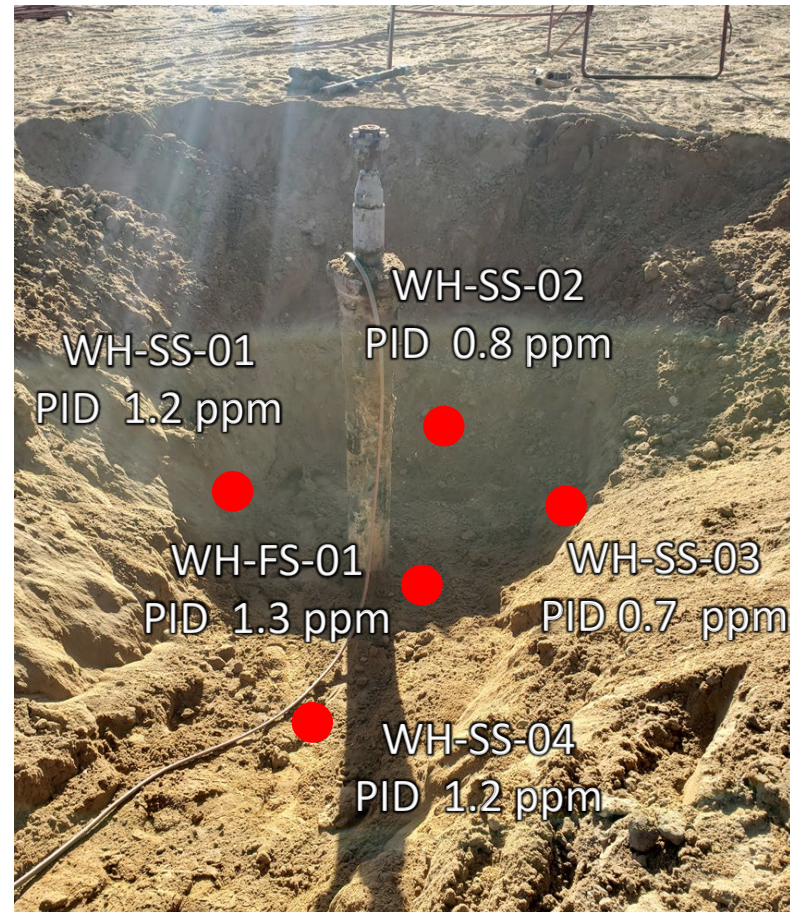
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Wellhead Excavation – 11/18/21

Looking east

No petroleum hydrocarbon staining or odor observed





ATTACHMENT B

Laboratory Analytical Reports



December 01, 2021

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Marie D4-19

Project Number - -

Attached are your analytical results for Noble - Marie D4-19 received by Origins Laboratory, Inc. November 18, 2021. This project is associated with Origins project number Y111368-01.

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: -

Project: Noble - Marie D4-19

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-FS-01@6'	Y111368-01	Soil	November 18, 2021 9:40	11/18/2021 13:10

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: -
Project: Noble - Marie D4-19

ORIGINS

LABORATORY, INC

Y111368

www.originslaboratory.com

page 1 of 1

Client: Eagle Environmental Consulting
Address: 8000 W 44th Ave
Wheat Ridge CO 80033
Telephone Number: 303-433-0479
Email Address: MCE3@Eagle-Enviro.com

Project Manager: Martin Eckert III
Project Name: Marie D4-19
Project Number: -
Samples Collected By: RLG

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative	Matrix	Other	Analysis	Sample Instructions
W11-15-01-06	11-18-21	0440	2	Unpreserved	Soil		EC SAR pH=	1
				HNO ₃	Air Summa		Saturated River Prep	2
				HCl	Other		MILs needed	3
								4
								5
								6
								7
								8
								9
								10

Relinquished By: Trevor Copple
Relinquished By: [Signature]
Date: 11-18-21
Time: 1310
Received By: [Signature]
Received By: [Signature]
Date: 11/18/21
Time: 1310
Turnaround Time: Same Day ☐ 24 Hr ☐ 48 Hr ☐ 72 Hr ☒ Standard

Temp Received: 4.0
Date Results Needed: Noble

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: -
Project: Noble - Marie D4-19

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 411308

Client: ECQ

Client Project ID: Marie D4-19

Checklist Completed by: SAH

Shipped Via: HD
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 11/18/21

Airbill #: NA

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

Cooler Number/Temperature: 1 / 4.0 c / _____ °C / _____ °C (Describe) _____ °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 ⁽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) SAH Date/Time Reviewed 11/19/21

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: -
Project: Noble - Marie D4-19

WH-FS-01@6'

11/18/2021 9:40:00AM

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

Origins Laboratory, Inc.
Y111368-01 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.203	mg/L	1	B1K1810	11/18/2021	11/19/2021	
-------	----	-------	------	---	---------	------------	------------	--

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B1K2416	11/24/2021	11/30/2021	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	92.8 %	50-150			"	"	"	
------------------------	--------	--------	--	--	---	---	---	--

GBTEX+TMBs

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B1K1919	11/19/2021	11/28/2021	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	103 %	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: -
Project: Noble - Marie D4-19

WH-FS-01@6'

11/18/2021 9:40:00AM

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

Origins Laboratory, Inc.
Y111368-01 (Soil)

GBTEX+TMBs

Surrogate: Toluene-d8	95.0 %	70-130	B1K19 19	11/19/2021	11/28/2021
Surrogate: 4-Bromofluorobenzene	98.9 %	70-130	"	"	"

Metals by Saturated Paste

Calcium	ND	0.499	meq/L	10	[CALC]	11/18/2021	11/19/2021
Magnesium	ND	0.823	"	"	"	"	"
Sodium	2.60	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00033	0.00067	mg/Kg	1	L586570	11/24/2021	11/24/2021
2-Methylnaphthalene	ND	0.00039	0.00067	"	"	"	"	"
Acenaphthene	ND	0.0003	0.00067	"	"	"	"	"
Anthracene	ND	0.00033	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.00041	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.00014	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.00021	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.00013	0.00067	"	"	"	"	"
Chrysene	ND	0.00027	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.00036	0.00067	"	"	"	"	"
Fluoranthene	ND	0.00039	0.00067	"	"	"	"	"

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

Martin C Eckert III
Project Number: -
Project: Noble - Marie D4-19

WH-FS-01@6'

11/18/2021 9:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.
Y111368-01 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.00029	0.00067	mg/Kg	1	L586570	11/24/2021	11/24/2021
Indeno(1,2,3-cd)pyrene	ND	0.00029	0.00067	"	"	"	"	"
Naphthalene	ND	0.000467	0.00067	"	"	"	"	"
Pyrene	ND	0.00059	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	60.5 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	57.8 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	43.8 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.66	pH Units	1	B1K1806	11/18/2021	11/19/2021
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SAR by 20B Saturated Paste

SAR	5.72	SAR	1	B1K1805	11/18/2021	11/19/2021
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.902	0.00500	mmhos/cm	1	B1K1807	11/18/2021	11/19/2021
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Eagle Environmental Consulting, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: -
Project: Noble - Marie D4-19

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 B1K1919 - EPA 5030 (soil)										
Blank (B1K1919-BLK1)					Prepared: 11/19/2021 Analyzed: 11/28/2021					
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	0.13		"	0.125	104		70-130			
Surrogate: Toluene-d8	0.12		"	0.125	95.0		70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	97.2		70-130			

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Martin C Eckert III
Project Number: -
Project: Noble - Marie D4-19

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 B1K1919 - EPA 5030 (soil)										
LCS (B1K1919-BS1)					Prepared: 11/19/2021 Analyzed: 11/28/2021					
1,2,4-Trimethylbenzene	0.0956	0.00200	mg/kg	0.100		95.6	70-130			
Naphthalene	0.105	0.0100	"	0.100		105	70-130			
1,3,5-Trimethylbenzene	0.0963	0.00200	"	0.100		96.3	70-130			
Benzene	0.103	0.00200	"	0.100		103	70-130			
Ethylbenzene	0.0953	0.00200	"	0.100		95.3	70-130			
m,p-Xylene	0.193	0.00400	"	0.200		96.7	70-130			
o-Xylene	0.0952	0.00200	"	0.100		95.2	70-130			
Toluene	0.0973	0.00200	"	0.100		97.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		100	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.4	70-130			

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Martin C Eckert III
Project Number: -
Project: Noble - Marie D4-19

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 B1K1919 - EPA 5030 (soil)										
Matrix Spike (B1K1919-MS1)		Source: Y111357-01			Prepared: 11/19/2021 Analyzed: 11/28/2021					
1,2,4-Trimethylbenzene	0.103	0.00200	mg/kg	0.100	ND	103	70-130			
Naphthalene	0.0890	0.0100	"	0.100	0.00202	87.0	70-130			
1,3,5-Trimethylbenzene	0.103	0.00200	"	0.100	ND	103	70-130			
Benzene	0.103	0.00200	"	0.100	ND	103	70-130			
Ethylbenzene	0.104	0.00200	"	0.100	ND	104	70-130			
m,p-Xylene	0.208	0.00400	"	0.200	ND	104	70-130			
o-Xylene	0.102	0.00200	"	0.100	ND	102	70-130			
Toluene	0.100	0.00200	"	0.100	ND	100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		89.7	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.5	70-130			

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Martin C Eckert III
Project Number: -
Project: Noble - Marie D4-19

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 B1K1919 - EPA 5030 (soil)										
Matrix Spike Dup (B1K1919-MSD1)		Source: Y111357-01			Prepared: 11/19/2021 Analyzed: 11/28/2021					
1,2,4-Trimethylbenzene	0.0952	0.00200	mg/kg	0.100	ND	95.2	70-130	7.95	20	
Naphthalene	0.0958	0.0100	"	0.100	0.00202	93.8	70-130	7.36	20	
1,3,5-Trimethylbenzene	0.0950	0.00200	"	0.100	ND	95.0	70-130	8.33	20	
Benzene	0.102	0.00200	"	0.100	ND	102	70-130	1.29	20	
Ethylbenzene	0.0949	0.00200	"	0.100	ND	94.9	70-130	9.11	20	
m,p-Xylene	0.191	0.00400	"	0.200	ND	95.5	70-130	8.32	20	
o-Xylene	0.0945	0.00200	"	0.100	ND	94.5	70-130	7.65	20	
Toluene	0.0961	0.00200	"	0.100	ND	96.1	70-130	4.32	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		97.4	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.0	70-130			

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Project Number: -
Project: Noble - Marie D4-19

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 B1K2416 - EPA 3550B										
Blank (B1K2416-BLK1)					Prepared: 11/24/2021 Analyzed: 12/01/2021					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	29		"	24.9		118	50-150			

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Martin C Eckert III
Project Number: -
Project: Noble - Marie D4-19

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
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Batch B1K2416 - EPA 3550B

LCS (B1K2416-BS1)

Prepared: 11/24/2021 Analyzed: 12/01/2021

Diesel (C10-C28)	1200	50.0	mg/kg	1000		120	70-130			
Residual Range Organics (C28-C40)	867	200	"	1000		86.7	70-130			
Surrogate: o-Terphenyl	54		"	49.8		108	50-150			

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Martin C Eckert III
Project Number: -
Project: Noble - Marie D4-19

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
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Batch B1K2416 - EPA 3550B

Matrix Spike (B1K2416-MS1)		Source: Y111348-01			Prepared: 11/24/2021 Analyzed: 12/01/2021					
Diesel (C10-C28)	7340	50.0	mg/kg	1000	3980	336	70-130			QM-07
Residual Range Organics (C28-C40)	1920	200	"	1000	677	124	70-130			
Surrogate: o-Terphenyl	170		"	49.8		348	50-150			QM-07

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Martin C Eckert III
Project Number: -
Project: Noble - Marie D4-19

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 B1K2416 - EPA 3550B										
Matrix Spike Dup (B1K2416-MSD1)			Source: Y111348-01			Prepared: 11/24/2021 Analyzed: 12/01/2021				
Diesel (C10-C28)	5920	50.0	mg/kg	1000	3980	194	70-130	21.4	35	QM-07
Residual Range Organics (C28-C40)	1650	200	"	1000	677	97.4	70-130	15.0	35	
Surrogate: o-Terphenyl	130		"	49.8		271	50-150			QM-07

Origins Laboratory, Inc.



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8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: -
Project: Noble - Marie D4-19

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
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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 B1K1806 - NO PREP

Duplicate (B1K1806-DUP1)

Source: Y111350-03

Prepared: 11/18/2021 Analyzed: 11/19/2021

pH	8.37		pH Units	8.43		0.714	25
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Batch B1K1807 - NO PREP

Blank (B1K1807-BLK1)

Prepared: 11/18/2021 Analyzed: 11/19/2021

Specific Conductance (EC)	0.00260	0.00500	mmhos/cm
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Duplicate (B1K1807-DUP1)

Source: Y111350-03

Prepared: 11/18/2021 Analyzed: 11/19/2021

Specific Conductance (EC)	1.62	0.00500	mmhos/cm	1.54		4.86	25
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8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: -
Project: Noble - Marie D4-19

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 L586570 - 3550B

MSD (L 85854-MSD-L586570)		Source: 85854			Prepared: 11/24/2021 Analyzed: 11/24/2021					
Naphthalene	0.109	0.000467	mg/Kg	0.165	<0.000467	66	30-130	5.6	30	
Indeno(1,2,3-cd)pyrene	0.126	0.00029	"	0.165	<0.000290	76.3	30-130	23.3	30	
Fluorene	0.121	0.00029	"	0.165	<0.000290	73.3	30-130	3.3	30	
Fluoranthene	0.122	0.00039	"	0.165	<0.000390	73.9	30-130	7.6	30	
Dibenz(a,h)anthracene	0.145	0.00036	"	0.165	<0.000360	87.8	30-130	15.6	30	
Chrysene	0.123	0.00027	"	0.165	<0.000270	74.5	30-130	7.5	30	
Benzo(k)fluoranthene	0.0908	0.00013	"	0.165	<0.000130	55	30-130	25.4	30	
Benzo(b)fluoranthene	0.0829	0.00021	"	0.165	0.000298	50.2	30-130	12.2	30	
2-Methylnaphthalene	0.111	0.00039	"	0.165	<0.000390	67.2	30-130	4.6	30	
1-Methylnaphthalene	0.119	0.00033	"	0.165	<0.000330	72.1	30-130	6	30	
Benzo(a)anthracene	0.122	0.00041	"	0.165	<0.000410	73.9	30-130	5.9	30	
Anthracene	0.124	0.00033	"	0.165	<0.000330	75.1	30-130	4.9	30	
Acenaphthene	0.121	0.0003	"	0.165	<0.000300	73.3	30-130	2.5	30	
Benzo(a)pyrene	0.125	0.00014	"	0.165	<0.000140	75.7	30-130	5.7	30	
Pyrene	0.119	0.00059	"	0.165	<0.000590	72.1	30-130	8.7	30	
Surrogate: Nitrobenzene-d5	46		"	0.33	138	46	29-110			
Surrogate: 2-Fluorobiphenyl	61.8		"	0.33	190	61.8	33-115			
Surrogate: 4-Terphenyl-d14	73.9		"	0.33	220	73.9	33-122			

MS (L 85854-MS-L586570)		Source: 85854			Prepared: 11/24/2021 Analyzed: 11/24/2021					
Benzo(k)fluoranthene	0.0703	0.00013	mg/Kg	0.164	<0.000130	42.8	30-130			
Chrysene	0.114	0.00027	"	0.164	<0.000270	69.5	30-130			
Dibenz(a,h)anthracene	0.124	0.00036	"	0.164	<0.000360	75.6	30-130			
Fluoranthene	0.113	0.00039	"	0.164	<0.000390	68.9	30-130			
Indeno(1,2,3-cd)pyrene	0.0997	0.00029	"	0.164	<0.000290	60.7	30-130			
Anthracene	0.118	0.00033	"	0.164	<0.000330	71.9	30-130			
Naphthalene	0.103	0.000467	"	0.164	<0.000467	62.8	30-130			

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: -
Project: Noble - Marie D4-19

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 L586570 - 3550B

MS (L 85854-MS-L586570)		Source: 85854			Prepared: 11/24/2021 Analyzed: 11/24/2021					
Fluorene	0.117	0.00029	mg/Kg	0.164	<0.000290	71.3	30-130			
Benzo(b)fluoranthene	0.0733	0.00021	"	0.164	0.000298	44.6	30-130			
Benzo(a)anthracene	0.115	0.00041	"	0.164	<0.000410	70.1	30-130			
Acenaphthene	0.118	0.0003	"	0.164	<0.000300	71.9	30-130			
2-Methylnaphthalene	0.106	0.00039	"	0.164	<0.000390	64.6	30-130			
Pyrene	0.109	0.00059	"	0.164	<0.000590	66.4	30-130			
1-Methylnaphthalene	0.112	0.00033	"	0.164	<0.000330	68.2	30-130			
Benzo(a)pyrene	0.118	0.00014	"	0.164	<0.000140	71.9	30-130			
Surrogate: Nitrobenzene-d5	42.5		"	0.329	138	42.5	29-110			
Surrogate: 2-Fluorobiphenyl	58.3		"	0.329	190	58.3	33-115			
Surrogate: 4-Terphenyl-d14	67.4		"	0.329	220	67.4	33-122			

LCS (LCS-L586570)		Prepared: 11/24/2021 Analyzed: 11/24/2021								
Chrysene	0.119	0.00027	mg/Kg	0.167		71.2	30-130			
Benzo(k)fluoranthene	0.0788	0.00013	"	0.167		47.1	30-130			
Pyrene	0.115	0.00059	"	0.167		68.8	30-130			
Naphthalene	0.106	0.000467	"	0.167		63.4	30-130			
Indeno(1,2,3-cd)pyrene	0.112	0.00029	"	0.167		67	30-130			
Fluorene	0.116	0.00029	"	0.167		69.4	30-130			
Benzo(b)fluoranthene	0.0736	0.00021	"	0.167		44	30-130			
Dibenz(a,h)anthracene	0.132	0.00036	"	0.167		79	30-130			
1-Methylnaphthalene	0.106	0.00033	"	0.167		63.4	30-130			
Benzo(a)pyrene	0.12	0.00014	"	0.167		71.8	30-130			
Benzo(a)anthracene	0.114	0.00041	"	0.167		68.2	30-130			
Anthracene	0.121	0.00033	"	0.167		72.4	30-130			
Acenaphthene	0.117	0.0003	"	0.167		70	30-130			
2-Methylnaphthalene	0.106	0.00039	"	0.167		63.4	30-130			

Origins Laboratory, Inc.

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8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: -
Project: Noble - Marie D4-19

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 L586570 - 3550B

LCS (LCS-L586570)

Prepared: 11/24/2021 Analyzed: 11/24/2021

Fluoranthene	0.119	0.00039	mg/Kg	0.167		71.2	30-130			
Surrogate: Nitrobenzene-d5	44.1		"	0.333		44.1	29-110			
Surrogate: 4-Terphenyl-d14	73.5		"	0.333		73.5	33-122			
Surrogate: 2-Fluorobiphenyl	62.7		"	0.333		62.7	33-115			

LRB (LRB-L586570)

Prepared: 11/24/2021 Analyzed: 11/24/2021

Fluoranthene	ND	0.00067	mg/Kg				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Pyrene	ND	0.00067	"				-			
Naphthalene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	41.1		"	0.333		41.1	29-110			
Surrogate: 4-Terphenyl-d14	63		"	0.333		63	33-122			
Surrogate: 2-Fluorobiphenyl	56.1		"	0.333		56.1	33-115			

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: -
Project: Noble - Marie D4-19

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.

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.



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.



December 09, 2021

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Marie D4-19

Project Number - [none]

Attached are your analytical results for Noble - Marie D4-19 received by Origins Laboratory, Inc. December 02, 2021. This project is associated with Origins project number Y112095-01.

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 - Marie D4-19

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Background-01@2'	Y112095-01	Soil	November 18, 2021 9:45	12/02/2021 16:15

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 - Marie D4-19

Origins Laboratory

Origins Work Order: Y112095

Checklist Completed by: jm

Date/time completed: 12-5-21

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

Cooler Number/Temperature: 1 3.4 °C °C °C (Describe) °C

Thermometer ID: T003

Sample Receipt Checklist

Client: Eagle/Noble

Client Project ID: Marie

Shipped Via: HD

Airbill #: N/A (URS/FedEx, Hand Delivered, Pick-up, etc.)

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

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<u>X</u>			
Is there ice present (document if blue ice is used)	<u>X</u>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<u>X</u>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<u>X</u>		
Were all samples received intact ⁽¹⁾ ?	<u>X</u>			
Was adequate sample volume provided ⁽¹⁾ ?	<u>X</u>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<u>X</u>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<u>X</u>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<u>X</u>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<u>X</u>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<u>X</u>			
For volatiles in water – is there headspace (> 1/2 inch bubble) present? If yes, contact client and note in narrative.			<u>X</u>	
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)			<u>X</u>	
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 12/6/21

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 - Marie D4-19

Background-01@2'

11/18/2021 9:45:00AM

Analyte	Result	Reporting	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Y112095-01 (Soil)

pH in Soil by 9045D

pH	7.09	pH Units	1	B1L0317	ACC	12/03/2021	12/07/2021
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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 - Marie D4-19

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 B1L0317 - NO PREP

Duplicate (B1L0317-DUP1)

Source: Y111515-13

Prepared: 12/03/2021 Analyzed: 12/07/2021

pH	8.60		pH Units	8.69				1.04	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 - Marie D4-19

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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