



FIGURES

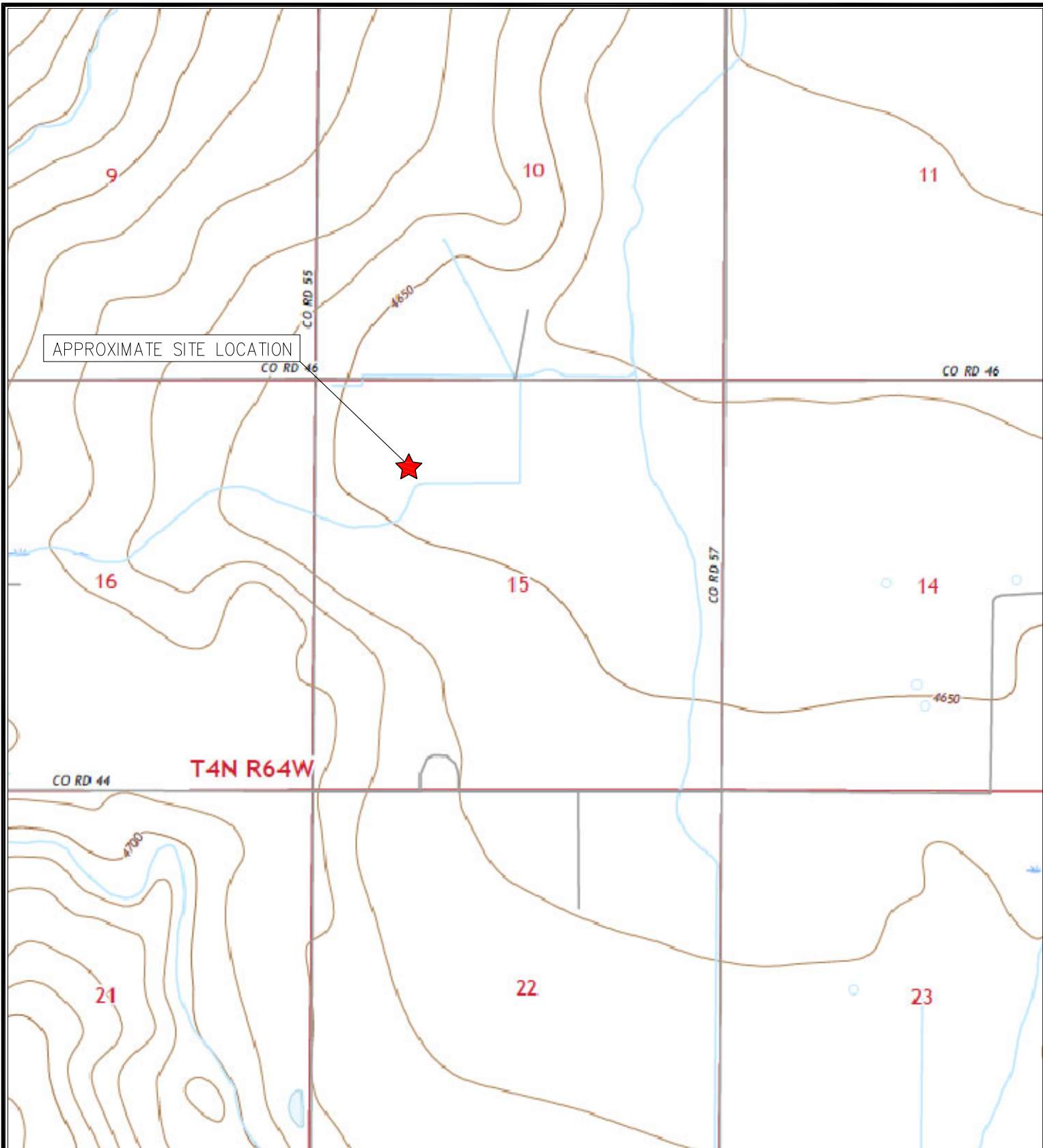
Figure 1: Topographic Site Location Map

Figure 2: Aerial Site Location Map

Figure 3: Soil Analytical Map

Figure 4: Polycyclic Aromatic Hydrocarbons Map

Figure 5: Grab Groundwater Analytical Map



APPROXIMATE SITE LOCATION

CO RD 44

T4N R64W

CO RD 46

CO RD 57

TOPOGRAPHIC SITE LOCATION MAP
 ROHR C #15-19
 CLOSURE ASSESSMENT
 40.316215 / -104.541680
 NW¼ NW¼ SEC.15 T4N R64W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-27059
 REMEDIATION # 26084



EAGLE
 ENVIRONMENTAL
 CONSULTING, LLC

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

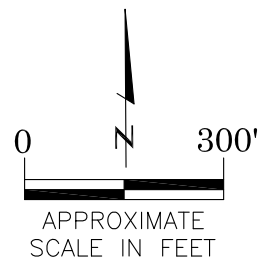
SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP,
 VALLEY VIEW SCHOOL, CO QUADRANGLE 2022

FIGURE 1



LEGEND

- FORMER ROHR C #15-19 WELLHEAD (PLUGGED AND ABANDONED)
- ASSOCIATED SEPARATOR
- APPROXIMATE FLOWLINE LOCATION



AERIAL SITE LOCATION MAP

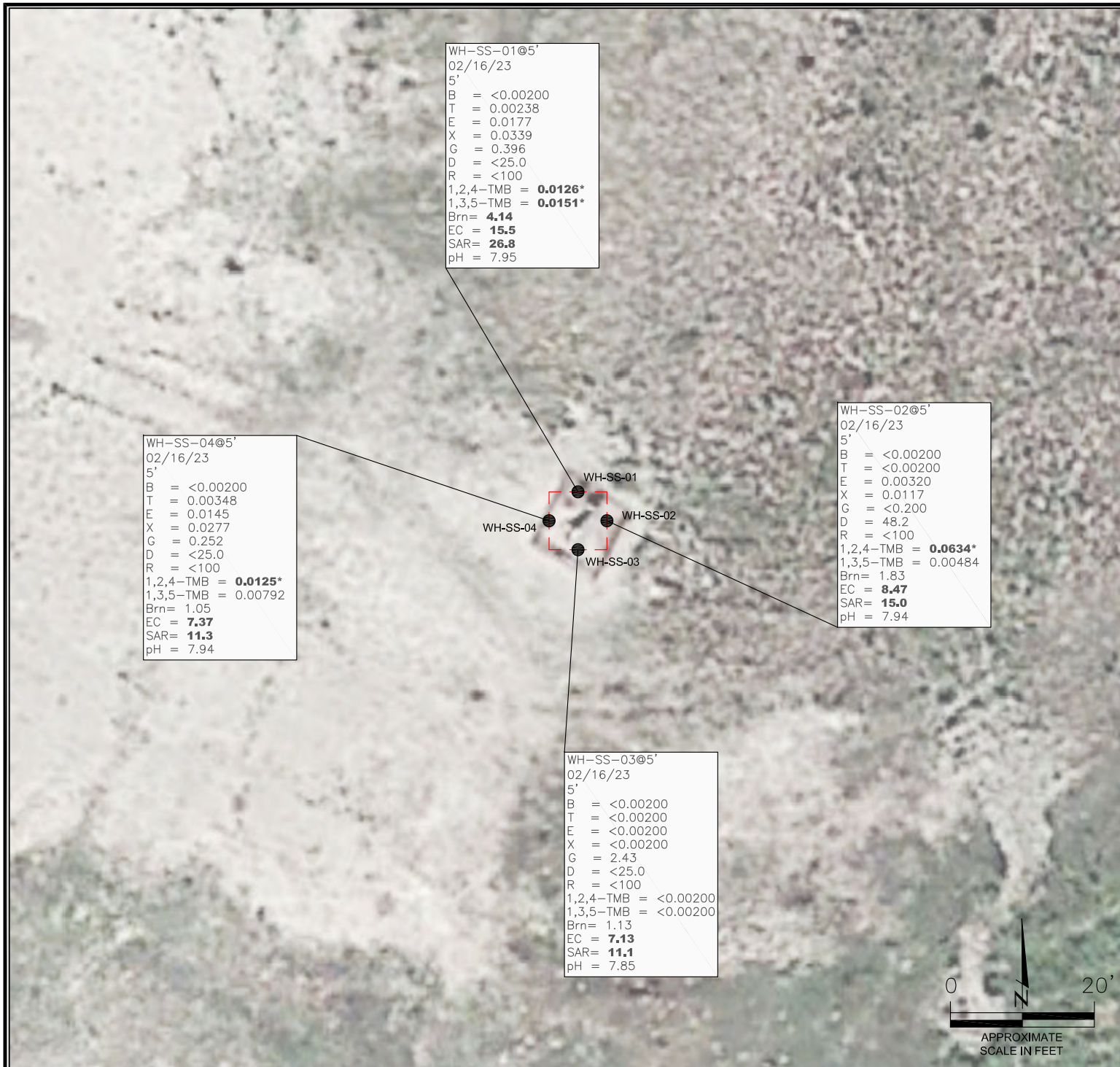
ROHR C #15-19
CLOSURE ASSESSMENT
40.316215 / -104.541680
NW¼ NW¼ SEC.15 T4N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-27059
REMEDATION # 26084

FIGURE NO.
2

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LEGEND

- WELLHEAD ASSESSMENT BOUNDARIES
- APPROXIMATE LOCATION OF SOIL SAMPLES
SS-02 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** EXCEED COGCC TABLE 915-1 REGULATORY LIMITS.

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

COGCC = COLORADO OIL AND GAS CONSERVATION COMMISSION

SOIL ANALYTICAL MAP
ROHR C #15-19
CLOSURE ASSESSMENT
40.316215 / -104.541680
NW¼ NW¼ SEC.15 T4N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-27059
REMEDATION # 26084

FIGURE NO.
3

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LEGEND

- WELLHEAD ASSESSMENT BOUNDARIES
- APPROXIMATE LOCATION OF SOIL SAMPLES
SUBMITTED FOR LABORATORY ANALYSIS

PARAMETERS

SAMPLE LOCATION
DATE SAMPLE COLLECTED
APPROXIMATE DEPTH

POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) (mg/kg)

mg/kg = MILLIGRAMS PER KILOGRAM

NOTES:

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

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

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

COGCC = COLORADO OIL AND GAS CONSERVATION COMMISSION

POLYCYCLIC AROMATIC HYDROCARBONS MAP

ROHR C #15-19
CLOSURE ASSESSMENT
40.316215 / -104.541680
NW¼ NW¼ SEC.15 T4N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-27059
REMEDIATION # 26084

FIGURE NO.
4

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Ph: 303-433-0479 • F: 303-325-5449



GW-01
02/16/23
B = 1.77
T = 30.0
E = 6.05
X = 85.7
N = 3.72
1,2,4-TMB = 33.2
1,3,5-TMB = 16.7

LEGEND

- WELLHEAD ASSESSMENT BOUNDARIES
- APPROXIMATE LOCATION OF GRAB GROUNDWATER
SAMPLE SUBMITTED FOR LABORATORY ANALYSIS

PARAMETERS

GROUNDWATER SAMPLE LOCATION
DATE
B = BENZENE (µg/L)
T = TOLUENE (µg/L)
E = ETHYLBENZENE (µg/L)
X = TOTAL XYLENES (µg/L)
N = NAPHTHALENE (µg/L)
1,2,4-TMB = 1,2,4-TRIMETHYLBENZENE (µg/L)
1,3,5-TMB = 1,3,5-TRIMETHYLBENZENE (µg/L)

µg/L = MICROGRAMS PER LITER

NOTES:
VALUES PRESENTED WITH A LESS THAN SYMBOL (<) DID
NOT CONTAIN CONCENTRATIONS AT OR ABOVE THE
LABORATORY REPORTING LIMIT.

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

COGCC = COLORADO OIL AND GAS CONSERVATION
COMMISSION

GRAB GROUNDWATER ANALYTICAL MAP

ROHR C #15-19
CLOSURE ASSESSMENT
40.316215 / -104.541680
NW¼ NW¼ SEC.15 T4N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-27059
REMEDATION # 26084

FIGURE NO.
5

DRAWN BY:
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Ph: 303-433-0479 • F: 303-325-5449



ATTACHMENT A

Photo Log

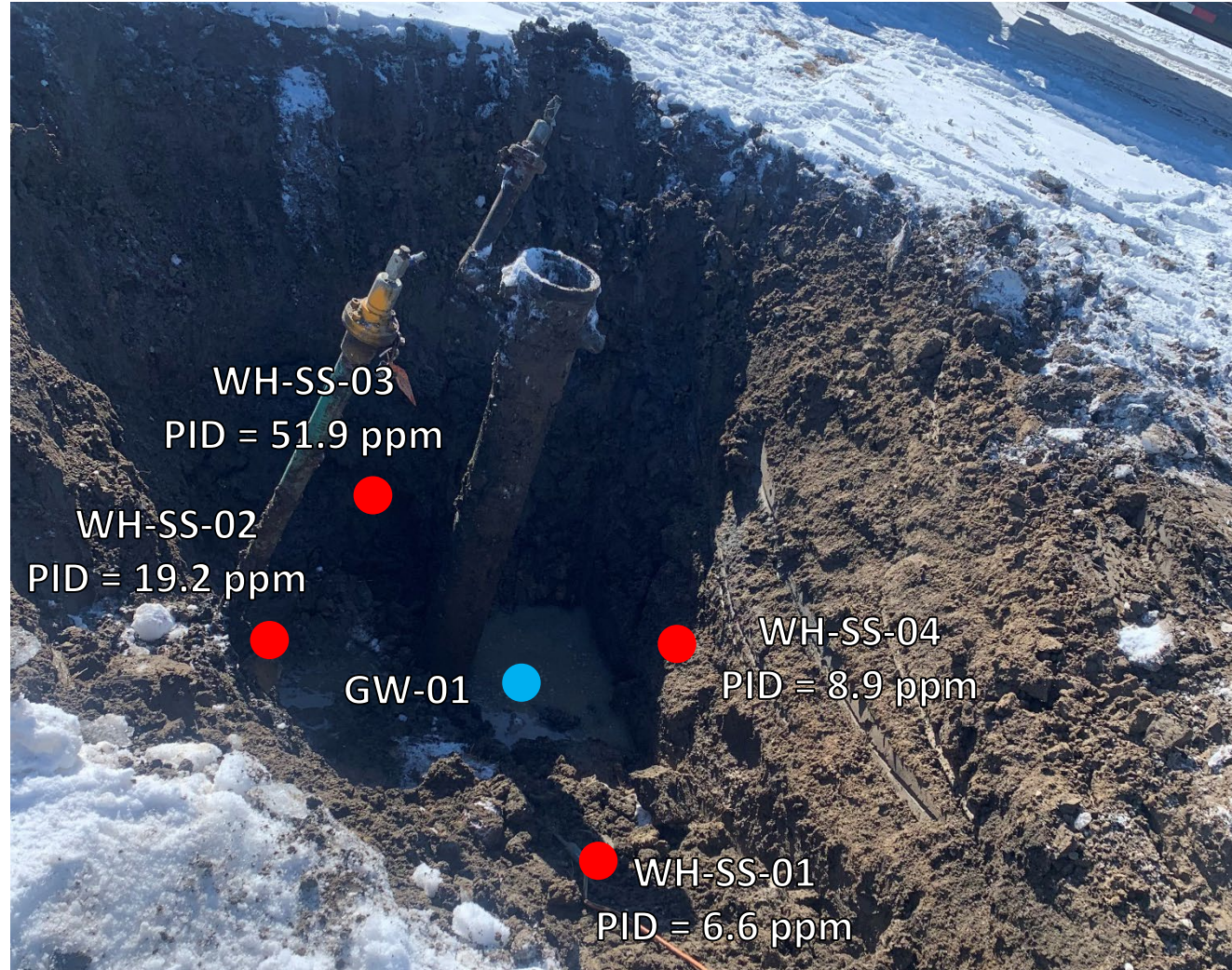
Rohr C #15-19
API # 05-123-27059
Remediation # 26084

Closure Assessment

February 2023



Wellhead Excavation – 02/16/23



Looking southwest

Slight hydrocarbon staining and odor observed. Groundwater observed at approx. 6-feet below ground



ATTACHMENT B

Laboratory Analytical Reports



February 24, 2023

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Rohr C #15-19

Project Number - [none]

Attached are your analytical results for Noble - Rohr C #15-19 received by Origins Laboratory, Inc. February 16, 2023. This project is associated with Origins project number Y302341-01.

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 - Rohr C #15-19

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-SS-01@5'	Y302341-01	Soil	February 16, 2023 11:40	02/16/2023 16:36
WH-SS-02@5'	Y302341-02	Soil	February 16, 2023 11:42	02/16/2023 16:36
WH-SS-03@5'	Y302341-03	Soil	February 16, 2023 11:44	02/16/2023 16:36
WH-SS-04@5'	Y302341-04	Soil	February 16, 2023 11:46	02/16/2023 16:36

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 - Rohr C #15-19

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: Y302341

Client: Eagle

Client Project ID: Rohr C 15-19

Checklist Completed by: SA/DE

Shipped Via: HD

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

Date/time completed: 2/17/23

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 19 °C 1 / _____ °C 1 / _____ °C (Describe)

Thermometer ID: T004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	X			
Is there ice present (document if blue ice is used)	X			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		X		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		X		
Were all samples received intact ⁽¹⁾ ?	X			
Was adequate sample volume provided ⁽¹⁾ ?	X			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		X		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	X			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	X			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	X			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	X			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			X	
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)			X	
Additional Comments (if any):				

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

Reviewed by (Project Manager) [Signature]

2/17/23
Date/Time Reviewed

Origins Laboratory, Inc.

[Signature]

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Rohr C #15-19

WH-SS-01@5'

2/16/2023 11:40:00AM

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

Origins Laboratory, Inc.
Y302341-01 (Soil)

Boron (DTPA Sorbitol)

Boron	4.14	0.100	mg/L	1	B3B2005	02/20/2023	02/21/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3B1704	02/17/2023	02/17/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	81.7 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.0126	0.00200	mg/kg	1	B3B1725	02/17/2023	02/19/2023	
1,3,5-Trimethylbenzene	0.0151	0.00200	"	"	"	"	"	
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	0.0177	0.00200	"	"	"	"	"	
Toluene	0.00238	0.00200	"	"	"	"	"	
Xylenes, total	0.0339	0.00200	"	"	"	"	"	
Gasoline Range Hydrocarbons	0.396	0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	103 %	70-130	"	"	"
Surrogate: Toluene-d8	94.0 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	90.8 %	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.

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Rohr C #15-19

WH-SS-01@5'

2/16/2023 11:40:00AM

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

Origins Laboratory, Inc.
Y302341-01 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	22.3	4.99	meq/L	100	[CALC]	02/20/2023	02/21/2023
Magnesium	34.7	8.23	"	"	"	"	"
Sodium	143	4.35	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	0.0259	0.00109	0.00201	mg/Kg	1	L665122	02/21/2023	02/21/2023
2-Methylnaphthalene	0.00689	0.00194	0.00201	"	"	"	"	"
Acenaphthene	0.0658	0.000304	0.00067	"	"	"	"	"
Anthracene	0.0312	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	0.0183	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	0.0088	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	0.0101	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	0.00475	0.000437	0.00067	"	"	"	"	"
Chrysene	0.0147	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	0.00118	0.000614	0.00067	"	"	"	"	"
Fluoranthene	0.0859	0.000394	0.00067	"	"	"	"	"
Fluorene	0.0648	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	0.00307	0.000627	0.00067	"	"	"	"	"
Naphthalene	0.00378	0.00145	0.00201	"	"	"	"	"
Pyrene	0.0637	0.000643	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.

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Rohr C #15-19

WH-SS-01@5'

2/16/2023 11:40:00AM

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

Waypoint Analytical, LLC.
Y302341-01 (Soil)

PAH by 8270D SIM

Surrogate: 2-Fluorobiphenyl	46.8 %		33-115			L6651 22	02/21/2023	02/21/2023	
Surrogate: 4-Terphenyl-d14	52.9 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	50.8 %		29-110			"	"	"	

pH in Soil by 9045D

pH	7.95			pH Units	1	B3B2007	02/20/2023	02/21/2023	
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SAR by 20B Saturated Paste

SAR	26.8			SAR	1	B3B2003	02/20/2023	02/21/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	15.5		0.00500	mmhos/cm	1	B3B2007	02/20/2023	02/21/2023	
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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 - Rohr C #15-19

WH-SS-02@5'

2/16/2023 11:42:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y302341-02 (Soil)

Boron (DTPA Sorbitol)

Boron	1.83	0.0991	mg/L	1	B3B2005	02/20/2023	02/21/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	48.2	25.0	mg/kg	1	B3B1704	02/17/2023	02/17/2023	
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	84.9 %	50-150	"	"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.0634	0.00200	mg/kg	1	B3B1725	02/17/2023	02/19/2023	
1,3,5-Trimethylbenzene	0.00484	0.00200	"	"	"	"	"	
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	0.00320	0.00200	"	"	"	"	"	
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	0.0117	0.00200	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	99.6 %	70-130	"	"	"	"	"	
Surrogate: Toluene-d8	95.2 %	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 - Rohr C #15-19

WH-SS-02@5'

2/16/2023 11:42:00AM

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

Origins Laboratory, Inc.
Y302341-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene 91.5 % 70-130 B3B17 25 02/17/2023 02/19/2023

Metals by Saturated Paste by EPA 6010

Calcium	24.2	0.499	meq/L	10	[CALC]	02/20/2023	02/21/2023
Magnesium	20.4	0.823	"	"	"	"	"
Sodium	70.9	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	0.00783	0.00549	0.0101	mg/Kg	5	L665122	02/21/2023	02/21/2023	J
2-Methylnaphthalene	ND	0.00972	0.0101	"	"	"	"	"	
Acenaphthene	0.0209	0.00152	0.00335	"	"	"	"	"	
Anthracene	0.014	0.00167	0.00335	"	"	"	"	"	
Benzo(a)anthracene	0.00825	0.00247	0.00335	"	"	"	"	"	
Benzo(a)pyrene	0.00476	0.00234	0.00335	"	"	"	"	"	
Benzo(b)fluoranthene	0.00416	0.00293	0.00335	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.00219	0.00335	"	"	"	"	"	
Chrysene	0.00639	0.00312	0.00335	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.00307	0.00335	"	"	"	"	"	
Fluoranthene	0.0379	0.00197	0.00335	"	"	"	"	"	
Fluorene	0.0303	0.00143	0.00335	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00314	0.00335	"	"	"	"	"	

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 - Rohr C #15-19

WH-SS-02@5'

2/16/2023 11:42:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y302341-02 (Soil)

PAH by 8270D SIM

Naphthalene	ND	0.0073	0.0101	mg/Kg	5	L665122	02/21/2023	02/21/2023	
Pyrene	0.0271	0.00322	0.00335	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	44.3 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	55.4 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	43.7 %		29-110			"	"	"	

pH in Soil by 9045D

pH	7.94			pH Units	1	B3B2008	02/20/2023	02/21/2023	
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SAR by 20B Saturated Paste

SAR	15.0			SAR	1	B3B2004	02/20/2023	02/21/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	8.47		0.00500	mmhos/cm	1	B3B2008	02/20/2023	02/21/2023	
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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 - Rohr C #15-19

WH-SS-03@5'

2/16/2023 11:44:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y302341-03 (Soil)

Boron (DTPA Sorbitol)

Boron	1.13	0.0986	mg/L	1	B3B2005	02/20/2023	02/21/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3B1704	02/17/2023	02/17/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	86.1 %	50-150			"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3B1725	02/17/2023	02/19/2023	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	2.43	0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	96.8 %	70-130			"	"	"
Surrogate: Toluene-d8	96.2 %	70-130			"	"	"

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: [none]
Project: Noble - Rohr C #15-19

WH-SS-03@5'

2/16/2023 11:44:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y302341-03 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	89.5 %	70-130	B3B17 25	02/17/2023	02/19/2023
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Metals by Saturated Paste by EPA 6010

Calcium	24.2	0.499	meq/L	10	[CALC]	02/20/2023	02/21/2023
Magnesium	14.4	0.823	"	"	"	"	"
Sodium	48.8	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L665122	02/21/2023	02/21/2023
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"
Acenaphthene	0.00149	0.000304	0.00067	"	"	"	"	"
Anthracene	0.00425	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	0.00235	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	0.00156	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	0.00187	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	0.000856	0.000437	0.00067	"	"	"	"	"
Chrysene	0.00241	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	0.00842	0.000394	0.00067	"	"	"	"	"
Fluorene	0.00455	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	0.00063	0.000627	0.00067	"	"	"	"	"

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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 - Rohr C #15-19

WH-SS-03@5'

2/16/2023 11:44:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y302341-03 (Soil)

PAH by 8270D SIM

Naphthalene	ND	0.00145	0.00201	mg/Kg	1	L665122	02/21/2023	02/21/2023
Pyrene	0.00617	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	48 %		33-115			"	"	"
Surrogate: 4-Terphenyl-d14	57.1 %		33-122			"	"	"
Surrogate: Nitrobenzene-d5	54.4 %		29-110			"	"	"

pH in Soil by 9045D

pH	7.85			pH Units	1	B3B2008	02/20/2023	02/21/2023
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SAR by 20B Saturated Paste

SAR	11.1			SAR	1	B3B2004	02/20/2023	02/21/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	7.13		0.00500	mmhos/cm	1	B3B2008	02/20/2023	02/21/2023
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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 - Rohr C #15-19

WH-SS-04@5'

2/16/2023 11:46:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y302341-04 (Soil)

Boron (DTPA Sorbitol)

Boron	1.05	0.0997	mg/L	1	B3B2005	02/20/2023	02/21/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3B1704	02/17/2023	02/17/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	76.1 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.0125	0.00200	mg/kg	1	B3B1725	02/17/2023	02/19/2023	
1,3,5-Trimethylbenzene	0.00792	0.00200	"	"	"	"	"	
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	0.0145	0.00200	"	"	"	"	"	
Toluene	0.00348	0.00200	"	"	"	"	"	
Xylenes, total	0.0277	0.00200	"	"	"	"	"	
Gasoline Range Hydrocarbons	0.252	0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	95.4 %	70-130	"	"	"
Surrogate: Toluene-d8	94.2 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	93.4 %	70-130	"	"	"

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: [none]
Project: Noble - Rohr C #15-19

WH-SS-04@5'

2/16/2023 11:46:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y302341-04 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	24.7	0.499	meq/L	10	[CALC]	02/20/2023	02/21/2023
Magnesium	16.7	0.823	"	"	"	"	"
Sodium	51.2	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	0.00119	0.00109	0.00201	mg/Kg	1	L665122	02/21/2023	02/21/2023	J
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	0.00261	0.000304	0.00067	"	"	"	"	"	
Anthracene	0.00351	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	0.00231	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.00141	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.0018	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	0.000922	0.000437	0.00067	"	"	"	"	"	
Chrysene	0.00204	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.00946	0.000394	0.00067	"	"	"	"	"	
Fluorene	0.00368	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"	
Pyrene	0.00694	0.000643	0.00067	"	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	47 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	55.5 %		33-122			"	"	"	

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 - Rohr C #15-19

WH-SS-04@5'

2/16/2023 11:46:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y302341-04 (Soil)

PAH by 8270D SIM

Surrogate: Nitrobenzene-d5	53 %	29-110	L6651 22	02/21/2023	02/21/2023
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pH in Soil by 9045D

pH	7.94	pH Units	1	B3B2008	02/20/2023	02/21/2023
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SAR by 20B Saturated Paste

SAR	11.3	SAR	1	B3B2004	02/20/2023	02/21/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	7.37	0.00500	mmhos/cm	1	B3B2008	02/20/2023	02/21/2023
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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 - Rohr C #15-19

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 B3B1704 - EPA 3580										
Blank (B3B1704-BLK1)					Prepared: 02/17/2023 Analyzed: 02/17/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	28		"	24.9		114	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 - Rohr C #15-19

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 B3B1704 - EPA 3580

LCS (B3B1704-BS1)

Prepared: 02/17/2023 Analyzed: 02/17/2023

Diesel (C10-C28)	993	50.0	mg/kg	1000		99.3	70-130			
Residual Range Organics (C28-C40)	1010	200	"	1000		101	70-130			
Surrogate: o-Terphenyl	46		"	49.8		92.6	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 - Rohr C #15-19

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 B3B1704 - EPA 3580

Matrix Spike (B3B1704-MS1)		Source: Y302328-01			Prepared: 02/17/2023 Analyzed: 02/17/2023					
Diesel (C10-C28)	990	50.0	mg/kg	1000	ND	99.0	70-130			
Residual Range Organics (C28-C40)	1000	200	"	1000	ND	100	70-130			
Surrogate: o-Terphenyl	44		"	49.8		89.1	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 - Rohr C #15-19

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 B3B1704 - EPA 3580										
Matrix Spike Dup (B3B1704-MSD1)		Source: Y302328-01			Prepared: 02/17/2023 Analyzed: 02/17/2023					
Diesel (C10-C28)	985	50.0	mg/kg	1000	ND	98.5	70-130	0.517	35	
Residual Range Organics (C28-C40)	988	200	"	1000	ND	98.8	70-130	1.35	35	
Surrogate: o-Terphenyl	46		"	49.8		92.4	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 - Rohr C #15-19

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 B3B1725 - EPA 5030 (soil)										
Blank (B3B1725-BLK1)					Prepared: 02/17/2023 Analyzed: 02/19/2023					
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	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		96.9	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		88.4	70-130			

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: [none]
Project: Noble - Rohr C #15-19

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 B3B1725 - EPA 5030 (soil)										
LCS (B3B1725-BS1)					Prepared: 02/17/2023 Analyzed: 02/19/2023					
1,2,4-Trimethylbenzene	0.101	0.00200	mg/kg	0.100		101	70-130			
1,3,5-Trimethylbenzene	0.106	0.00200	"	0.100		106	70-130			
Benzene	0.103	0.00200	"	0.100		103	70-130			
Ethylbenzene	0.0979	0.00200	"	0.100		97.9	70-130			
Naphthalene	0.0978	0.00380	"	0.100		97.8	70-130			
Toluene	0.101	0.00200	"	0.100		101	70-130			
o-Xylene	0.0974	0.00200	"	0.100		97.4	70-130			
m,p-Xylene	0.202	0.00400	"	0.200		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		92.9	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.10		"	0.125		83.1	70-130			

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: [none]
Project: Noble - Rohr C #15-19

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 B3B1725 - EPA 5030 (soil)										
Matrix Spike (B3B1725-MS1)		Source: Y302328-01			Prepared: 02/17/2023 Analyzed: 02/19/2023					
1,2,4-Trimethylbenzene	0.0979	0.00200	mg/kg	0.100	ND	97.9	70-130			
1,3,5-Trimethylbenzene	0.105	0.00200	"	0.100	ND	105	70-130			
Benzene	0.0960	0.00200	"	0.100	ND	96.0	70-130			
Ethylbenzene	0.100	0.00200	"	0.100	ND	100	70-130			
Naphthalene	0.0741	0.00380	"	0.100	ND	74.1	70-130			
Toluene	0.0966	0.00200	"	0.100	ND	96.6	70-130			
o-Xylene	0.0976	0.00200	"	0.100	ND	97.6	70-130			
m,p-Xylene	0.206	0.00400	"	0.200	ND	103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		84.3	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		86.4	70-130			

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: [none]
Project: Noble - Rohr C #15-19

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 B3B1725 - EPA 5030 (soil)										
Matrix Spike Dup (B3B1725-MSD1)		Source: Y302328-01			Prepared: 02/17/2023 Analyzed: 02/19/2023					
1,2,4-Trimethylbenzene	0.0942	0.00200	mg/kg	0.100	ND	94.2	70-130	3.79	20	
1,3,5-Trimethylbenzene	0.0996	0.00200	"	0.100	ND	99.6	70-130	5.64	20	
Benzene	0.0970	0.00200	"	0.100	ND	97.0	70-130	1.08	20	
Ethylbenzene	0.0965	0.00200	"	0.100	ND	96.5	70-130	3.80	20	
Naphthalene	0.0811	0.00380	"	0.100	ND	81.1	70-130	8.97	20	
Toluene	0.0943	0.00200	"	0.100	ND	94.3	70-130	2.39	20	
o-Xylene	0.0947	0.00200	"	0.100	ND	94.7	70-130	3.04	20	
m,p-Xylene	0.198	0.00400	"	0.200	ND	99.0	70-130	3.80	20	
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		90.1	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		86.4	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 - Rohr C #15-19

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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Classical Chemistry Parameters - 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 B3B2003 - Saturated Paste Metals

Blank (B3B2003-BLK1)

Prepared: 02/20/2023 Analyzed: 02/21/2023

SAR	0.00		SAR
Calcium PPM	ND	10.0	mg/L
Magnesium PPM	ND	10.0	"
Sodium PPM	ND	10.0	"

Duplicate (B3B2003-DUP1)

Source: Y302334-05

Prepared: 02/20/2023 Analyzed: 02/21/2023

Calcium PPM	66.5	10.0	mg/L	68.0	2.25	50
SAR	0.00		SAR	1.16	200	200
Magnesium PPM	17.6	10.0	mg/L	17.8	1.05	50
Sodium PPM	41.9	10.0	"	41.6	0.800	50

Batch B3B2004 - Saturated Paste Metals

Blank (B3B2004-BLK1)

Prepared: 02/20/2023 Analyzed: 02/21/2023

Calcium PPM	ND	10.0	mg/L
SAR	0.00		SAR
Magnesium PPM	ND	10.0	mg/L
Sodium PPM	ND	10.0	"

Duplicate (B3B2004-DUP1)

Source: Y302341-02

Prepared: 02/20/2023 Analyzed: 02/21/2023

SAR	0.00		SAR	15.0	200	200
Calcium PPM	478	10.0	mg/L	486	1.57	50

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Rohr C #15-19

Classical Chemistry Parameters - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3B2004 - Saturated Paste Metals										
Duplicate (B3B2004-DUP1)		Source: Y302341-02			Prepared: 02/20/2023 Analyzed: 02/21/2023					
Magnesium PPM	258	10.0	mg/L		247			4.30	50	
Sodium PPM	1730	10.0	"		1630			5.87	50	
Batch B3B2005 - DTPA Sorbitol Preparation										
Blank (B3B2005-BLK1)		Prepared: 02/20/2023 Analyzed: 02/21/2023								
Boron	ND	0.100	mg/L							
Duplicate (B3B2005-DUP1)		Source: Y302338-01			Prepared: 02/20/2023 Analyzed: 02/21/2023					
Boron	0.0678	0.0983	mg/L		0.0654			3.64	50	

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 - Rohr C #15-19

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 B3B2007 - Saturated Paste pH/EC

Blank (B3B2007-BLK1)

Prepared: 02/20/2023 Analyzed: 02/21/2023

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B3B2007-DUP1)

Source: Y302334-05

Prepared: 02/20/2023 Analyzed: 02/21/2023

Specific Conductance (EC)	0.714	0.00500	mmhos/cm	0.730	2.20	25
pH	7.70		pH Units	8.02	4.07	25

Batch B3B2008 - Saturated Paste pH/EC

Blank (B3B2008-BLK1)

Prepared: 02/20/2023 Analyzed: 02/21/2023

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B3B2008-DUP1)

Source: Y302341-02

Prepared: 02/20/2023 Analyzed: 02/21/2023

pH	7.94		pH Units	7.94	0.00	25
Specific Conductance (EC)	9.49	0.00500	mmhos/cm	8.47	11.4	25

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 - Rohr C #15-19

PAH by 8270D SIM - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L665122 - 3550B

MSD (L 89352-MSD-L665122)		Source: 89352			Prepared: 02/21/2023 Analyzed: 02/21/2023					
Chrysene	0.104	0.00067	mg/Kg	0.164	0.00155	62.4	30-130	1.9	30	
Pyrene	0.103	0.00067	"	0.164	0.000682	62.3	30-130	1.9	30	
Naphthalene	0.088	0.00201	"	0.164	0.00263	52	30-130	0.4	30	
Indeno(1,2,3-cd)pyrene	0.0784	0.00067	"	0.164	<0.000627	47.8	30-130	11.4	30	
Fluorene	0.104	0.00067	"	0.164	0.00673	59.3	30-130	1.9	30	
Dibenz(a,h)anthracene	0.0907	0.00067	"	0.164	<0.000614	55.3	30-130	6.3	30	
Benzo(k)fluoranthene	0.0754	0.00067	"	0.164	<0.000437	45.9	30-130	2.3	30	
2-Methylnaphthalene	0.0952	0.00201	"	0.164	0.0192	46.3	30-130	0.9	30	
Fluoranthene	0.106	0.00067	"	0.164	<0.000394	64.6	30-130	1.9	30	
Benzo(b)fluoranthene	0.0856	0.00067	"	0.164	<0.000585	52.1	30-130	2.8	30	
Acenaphthene	0.0976	0.00067	"	0.164	0.00272	57.8	30-130	1.7	30	
Anthracene	0.0982	0.00067	"	0.164	<0.000334	59.8	30-130	4.3	30	
Benzo(a)anthracene	0.116	0.00067	"	0.164	<0.000493	70.7	30-130	0	30	
Benzo(a)pyrene	0.0989	0.00067	"	0.164	<0.000468	60.3	30-130	8.7	30	
1-Methylnaphthalene	0.105	0.00201	"	0.164	0.0174	53.4	30-130	1.8	30	
Surrogate: Nitrobenzene-d5	51		"	0.329	158	51	29-110			
Surrogate: 2-Fluorobiphenyl	48		"	0.329	135	48	33-115			
Surrogate: 4-Terphenyl-d14	57.4		"	0.329	166	57.4	33-122			

MS (L 89352-MS-L665122)		Source: 89352			Prepared: 02/21/2023 Analyzed: 02/21/2023					
Benzo(k)fluoranthene	0.0772	0.00067	mg/Kg	0.164	<0.000437	47	30-130			
Naphthalene	0.0876	0.00201	"	0.164	0.00263	51.8	30-130			
Indeno(1,2,3-cd)pyrene	0.0879	0.00067	"	0.164	<0.000627	53.5	30-130			
Fluorene	0.106	0.00067	"	0.164	0.00673	60.5	30-130			
Fluoranthene	0.104	0.00067	"	0.164	<0.000394	63.4	30-130			
Dibenz(a,h)anthracene	0.0966	0.00067	"	0.164	<0.000614	58.9	30-130			
Chrysene	0.106	0.00067	"	0.164	0.00155	63.6	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: [none]
Project: Noble - Rohr C #15-19

PAH by 8270D SIM - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L665122 - 3550B

MS (L 89352-MS-L665122)		Source: 89352			Prepared: 02/21/2023 Analyzed: 02/21/2023					
Benzo(b)fluoranthene	0.0832	0.00067	mg/Kg	0.164	<0.000585	50.7	30-130			
Pyrene	0.101	0.00067	"	0.164	0.000682	61.1	30-130			
1-Methylnaphthalene	0.107	0.00201	"	0.164	0.0174	54.6	30-130			
2-Methylnaphthalene	0.0943	0.00201	"	0.164	0.0192	45.7	30-130			
Acenaphthene	0.0993	0.00067	"	0.164	0.00272	58.8	30-130			
Anthracene	0.094	0.00067	"	0.164	<0.000334	57.3	30-130			
Benzo(a)anthracene	0.116	0.00067	"	0.164	<0.000493	70.7	30-130			
Benzo(a)pyrene	0.108	0.00067	"	0.164	<0.000468	65.8	30-130			
Surrogate: Nitrobenzene-d5	51.6		"	0.329	158	51.6	29-110			
Surrogate: 2-Fluorobiphenyl	48.6		"	0.329	135	48.6	33-115			
Surrogate: 4-Terphenyl-d14	56.8		"	0.329	166	56.8	33-122			

LCS (LCS-L665122)		Prepared: 02/21/2023 Analyzed: 02/21/2023								
Pyrene	0.126	0.00067	mg/Kg	0.167		75.4	30-130			
Fluoranthene	0.13	0.00067	"	0.167		77.8	30-130			
Benzo(k)fluoranthene	0.0865	0.00067	"	0.167		51.7	30-130			
Naphthalene	0.103	0.00201	"	0.167		61.6	30-130			
Fluorene	0.122	0.00067	"	0.167		73	30-130			
Dibenz(a,h)anthracene	0.111	0.00067	"	0.167		66.4	30-130			
Chrysene	0.127	0.00067	"	0.167		76	30-130			
1-Methylnaphthalene	0.101	0.00201	"	0.167		60.4	30-130			
Benzo(a)pyrene	0.132	0.00067	"	0.167		79	30-130			
Benzo(a)anthracene	0.138	0.00067	"	0.167		82.6	30-130			
Anthracene	0.127	0.00067	"	0.167		76	30-130			
Acenaphthene	0.116	0.00067	"	0.167		69.4	30-130			
2-Methylnaphthalene	0.106	0.00201	"	0.167		63.4	30-130			
Indeno(1,2,3-cd)pyrene	0.101	0.00067	"	0.167		60.4	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: [none]
Project: Noble - Rohr C #15-19

PAH by 8270D SIM - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L665122 - 3550B

LCS (LCS-L665122)

Prepared: 02/21/2023 Analyzed: 02/21/2023

Benzo(b)fluoranthene	0.128	0.00067	mg/Kg	0.167		76.6	30-130			
Surrogate: Nitrobenzene-d5	59.7		"	0.333		59.7	29-110			
Surrogate: 4-Terphenyl-d14	67.5		"	0.333		67.5	33-122			
Surrogate: 2-Fluorobiphenyl	56.1		"	0.333		56.1	33-115			

LRB (LRB-L665122)

Prepared: 02/21/2023 Analyzed: 02/21/2023

Chrysene	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	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Naphthalene	ND	0.00201	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00201	"				-			
1-Methylnaphthalene	ND	0.00201	"				-			
Pyrene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	54.6		"	0.333		54.6	29-110			
Surrogate: 4-Terphenyl-d14	60.9		"	0.333		60.9	33-122			
Surrogate: 2-Fluorobiphenyl	52.2		"	0.333		52.2	33-115			

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 - Rohr C #15-19

Notes and Definitions

U Sample is Non-Detect.

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.

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

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



February 24, 2023

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Rohr C #15-19

Project Number - [none]

Attached are your analytical results for Noble - Rohr C #15-19 received by Origins Laboratory, Inc. February 16, 2023. This project is associated with Origins project number Y302344-01.

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 - Rohr C #15-19

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GW-01	Y302344-01	Water	February 16, 2023 11:48	02/16/2023 16:36

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: [none]
Project: Noble - Rohr C #15-19

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: UB02344

Client: Eagle Environmental

Client Project ID: Rohr C #15-19

Checklist Completed by: TAM

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

Date/time completed: 2/17/23

Airbill #: pid

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

Cooler Number/Temperature: 1 19 °C 1 °C 1 °C (Describe) °C

Thermometer ID: 7004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	X			
Is there ice present (document if blue ice is used)	X			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		X		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		X		
Were all samples received intact ⁽¹⁾ ?	X			
Was adequate sample volume provided ⁽¹⁾ ?	X			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		X		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	X			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	X			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	X			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	X			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		X		
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)	X			NC
Additional Comments (if any):				

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

Reviewed by (Project Manager) [Signature]

Date/Time Reviewed 2/17/23

Origins Laboratory, Inc.

Jefe Pellegrini

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 - Rohr C #15-19

GW-01

2/16/2023 11:48:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y302344-01 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	33.2	2.00	ug/L	1	B3B1723	ZZZ	02/17/2023	02/20/2023
1,3,5-Trimethylbenzene	16.7	2.00	"	"	"	ZZZ	"	"
Benzene	1.77	1.00	"	"	"	ZZZ	"	"
Ethylbenzene	6.05	1.00	"	"	"	ZZZ	"	"
Naphthalene	3.72	2.00	"	"	"	ZZZ	"	"
Toluene	30.0	1.00	"	"	"	ZZZ	"	"
Xylenes, total	85.7	1.00	"	"	"	ZZZ	"	"

Surrogate: 1,2-Dichloroethane-d4	79.1 %	70-130	"	"	"
Surrogate: Toluene-d8	94.5 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	95.0 %	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 - Rohr C #15-19

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 B3B1723 - EPA 5030B (Water)										
Blank (B3B1723-BLK1)					Prepared: 02/17/2023 Analyzed: 02/20/2023					
1,2,4-Trimethylbenzene	ND	2.00	ug/L							U
1,3,5-Trimethylbenzene	ND	2.00	"							U
Benzene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Naphthalene	ND	2.00	"							U
Toluene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	48		"	62.5		77.2	70-130			
Surrogate: Toluene-d8	58		"	62.5		92.7	70-130			
Surrogate: 4-Bromofluorobenzene	57		"	62.5		91.7	70-130			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Rohr C #15-19

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 B3B1723 - EPA 5030B (Water)										
LCS (B3B1723-BS1)					Prepared: 02/17/2023 Analyzed: 02/20/2023					
1,2,4-Trimethylbenzene	43.0	2.00	ug/L	50.0		86.0	70-130			
1,3,5-Trimethylbenzene	44.2	2.00	"	50.0		88.4	70-130			
Benzene	47.3	1.00	"	50.0		94.7	70-130			
Ethylbenzene	43.8	1.00	"	50.0		87.6	70-130			
m,p-Xylene	83.2	2.00	"	100		83.2	70-130			
Naphthalene	45.2	2.00	"	50.0		90.4	70-130			
o-Xylene	53.5	1.00	"	50.0		107	70-130			
Toluene	46.8	1.00	"	50.0		93.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	48		"	62.5		76.0	70-130			
Surrogate: Toluene-d8	59		"	62.5		93.8	70-130			
Surrogate: 4-Bromofluorobenzene	56		"	62.5		90.1	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 - Rohr C #15-19

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 B3B1723 - EPA 5030B (Water)										
Matrix Spike (B3B1723-MS1)		Source: Y302344-01			Prepared: 02/17/2023 Analyzed: 02/20/2023					
1,2,4-Trimethylbenzene	94.7	2.00	ug/L	50.0	33.2	123	70-130			
1,3,5-Trimethylbenzene	77.8	2.00	"	50.0	16.7	122	70-130			
Benzene	51.8	1.00	"	50.0	1.77	100	70-130			
Ethylbenzene	64.3	1.00	"	50.0	6.05	116	70-130			
m,p-Xylene	210	2.00	"	100	62.3	147	70-130			QM-07
Naphthalene	51.4	2.00	"	50.0	3.72	95.3	70-130			
o-Xylene	87.0	1.00	"	50.0	23.4	127	70-130			
Toluene	83.8	1.00	"	50.0	30.0	108	70-130			
Surrogate: 1,2-Dichloroethane-d4	42		"	62.5		67.1	70-130			S-GC
Surrogate: Toluene-d8	60		"	62.5		95.4	70-130			
Surrogate: 4-Bromofluorobenzene	59		"	62.5		94.9	70-130			

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: [none]
Project: Noble - Rohr C #15-19

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 B3B1723 - EPA 5030B (Water)										
Matrix Spike Dup (B3B1723-MSD1)		Source: Y302344-01			Prepared: 02/17/2023 Analyzed: 02/20/2023					
1,2,4-Trimethylbenzene	90.7	2.00	ug/L	50.0	33.2	115	70-130	4.28	20	
1,3,5-Trimethylbenzene	72.6	2.00	"	50.0	16.7	112	70-130	6.92	20	
Benzene	50.1	1.00	"	50.0	1.77	96.6	70-130	3.32	20	
Ethylbenzene	58.5	1.00	"	50.0	6.05	105	70-130	9.50	20	
m,p-Xylene	187	2.00	"	100	62.3	125	70-130	11.5	20	
Naphthalene	55.8	2.00	"	50.0	3.72	104	70-130	8.21	20	
o-Xylene	82.3	1.00	"	50.0	23.4	118	70-130	5.57	20	
Toluene	79.1	1.00	"	50.0	30.0	98.1	70-130	5.84	20	
Surrogate: 1,2-Dichloroethane-d4	46		"	62.5		72.9	70-130			
Surrogate: Toluene-d8	58		"	62.5		93.6	70-130			
Surrogate: 4-Bromofluorobenzene	58		"	62.5		93.3	70-130			

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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 - Rohr C #15-19

Notes and Definitions

U Sample is Non-Detect.

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

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 at a wet weight basis.

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