



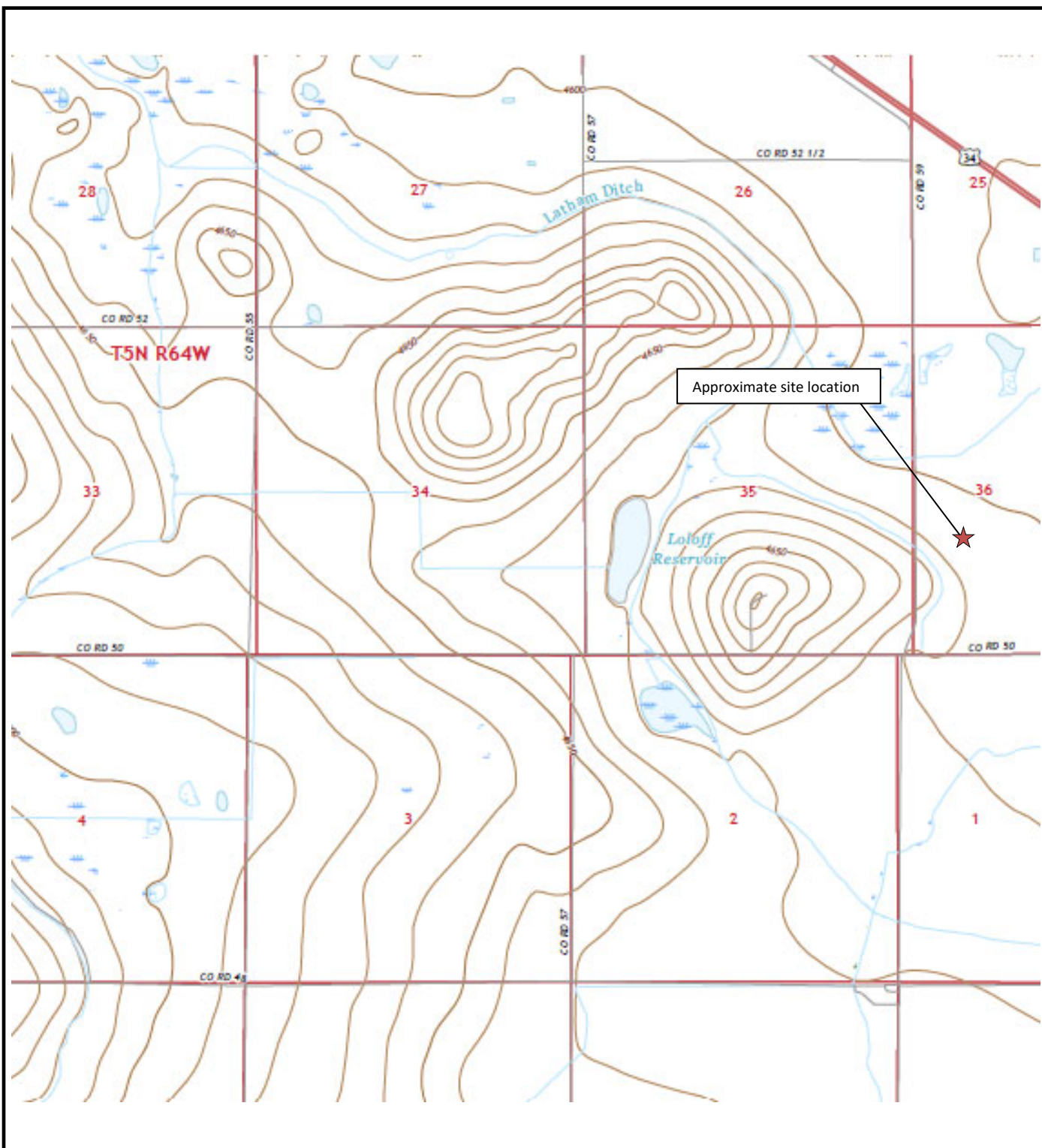
FIGURES

Figure 1: Topographic Site Location Map

Figure 2: Aerial Site Location Map

Figure 3: Soil Analytical Map

Figure 4: Polycyclic Aromatic Hydrocarbons Map

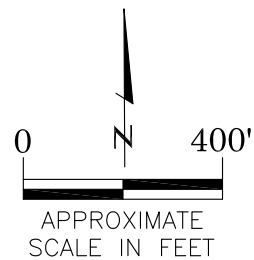


	<p>Topographic Site Location Map Baker State B #36-12 Closure Assessment 40.354080 / -104.504900 NW¼ SW¼ SEC.36 T5N R64W 6PM Weld County, Colorado API # 05-123-17430 Remediation # 20770</p>	<p>EAGLE ENVIRONMENTAL CONSULTING, INC.</p>
<p>Source: USGS 7.5 Minute Topographic Map, Valley View School, CO Quadrangle 2022</p>	<p>Figure 1</p>	



LEGEND

- FORMER BAKER STATE B #36-12 WELLHEAD (PLUGGED AND ABANDONED)
- ASSOCIATED SEPARATOR
- APPROXIMATE FLOWLINE LOCATION



AERIAL SITE LOCATION MAP
 BAKER STATE B #36-12
 CLOSURE ASSESSMENT
 40.354080 / -104.504900
 NW¼ SW¼ SEC.36 T5N R64W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-17430
 REMEDIATION # 20770

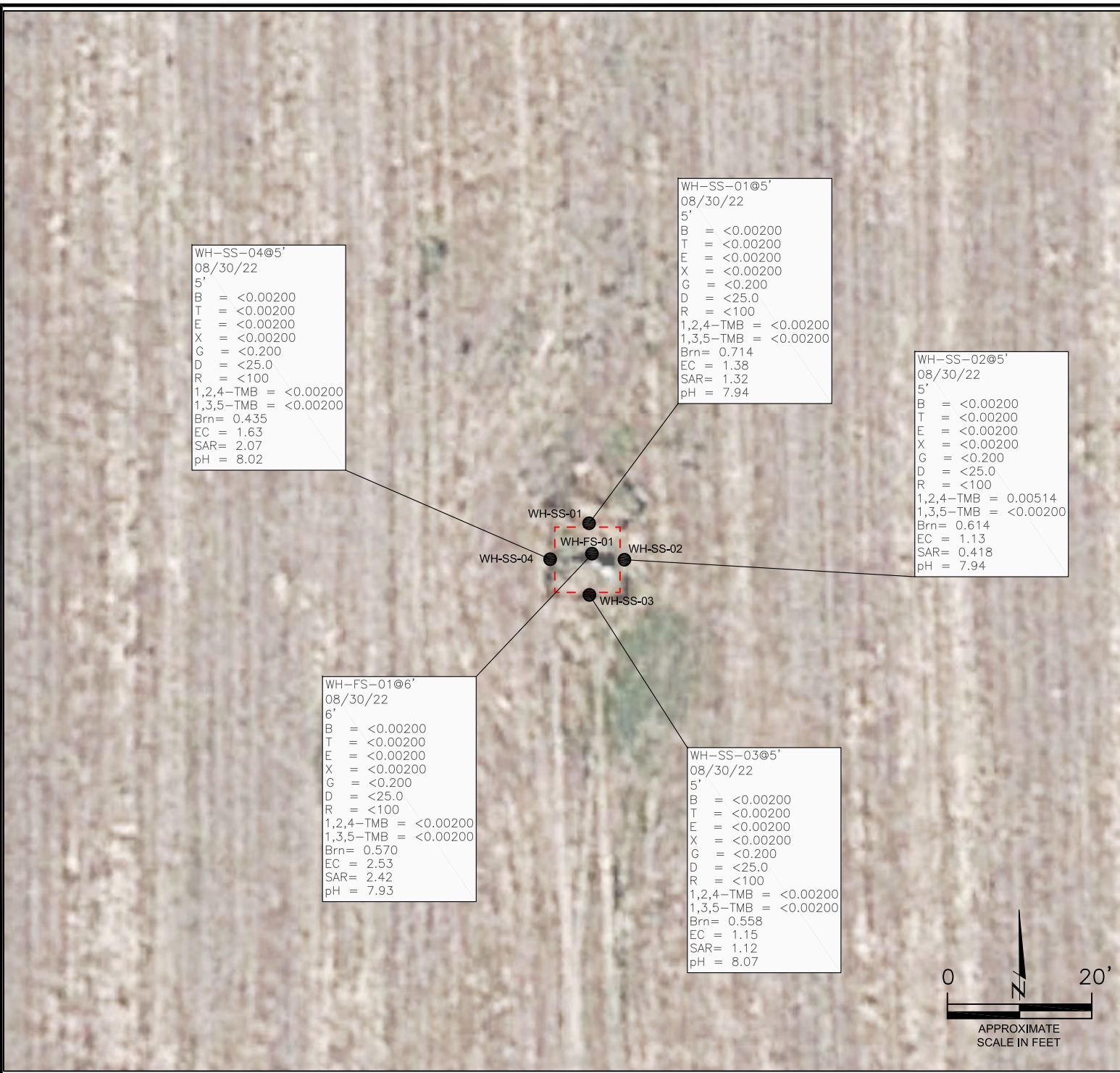
DATE: 09/20/22

FIG. NO.
2

DRAWN BY:
AMN



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



LEGEND

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

PARAMETERS

SAMPLE LOCATION
DATE
DEPTH (FEET)
B = BENZENE (mg/kg)
T = TOLUENE (mg/kg)
E = ETHYLBENZENE (mg/kg)
X = TOTAL XYLENES (mg/kg)
G = TPH-GRO (mg/kg)
D = TPH-DRO (mg/kg)
R = TPH-RRO (mg/kg)
1,2,4-TMB = 1,2,4 TRIMETHYLBENZENE (mg/kg)
1,3,5-TMB = 1,3,5 TRIMETHYLBENZENE (mg/kg)
Brn= BORON (mg/L)
EC = SPECIFIC CONDUCTANCE (mmhos/cm)
SAR= SODIUM ADSORPTION RATIO
pH = pH (pH UNITS)

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

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

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

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

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

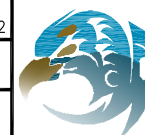
COGCC = COLORADO OIL AND GAS CONSERVATION COMMISSION

SOIL ANALYTICAL MAP
BAKER STATE B #36-12
CLOSURE ASSESSMENT
40.354080 / -104.504900
NE¼ SW¼ SEC.36 T5N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-17430
REMEDIAL # 20770

DATE:
09/20/22

DRAWN BY:
AMN

FIG.
NO. 3



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LEGEND

- INITIAL 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

ND = NON-DETECT

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 GROUNDWATER SOIL SCREENING LEVELS FOR THAT COMPOUND.

COGCC = COLORADO OIL AND GAS CONSERVATION COMMISSION

POLYCYCLIC AROMATIC HYDROCARBONS MAP

BAKER STATE B #36-12
CLOSURE ASSESSMENT
40.354080 / -104.504900
NW¼ SW¼ SEC.36 T5N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-17430
REMEDATION # 20770

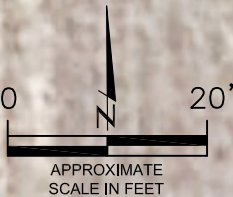
DATE:
09/20/22

DRAWN BY:
AMN

FIG.
NO. 4



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Ph: 303-433-0479 • F: 303-325-5449



APPROXIMATE
SCALE IN FEET

WH-SS-01@5'
08/30/22
5'
ND = <0.00067
1-Methylnaphthalene = 0.00046
2-Methylnaphthalene = 0.000735
Acenaphthene = ND
Anthracene = ND
Benzo(a)anthracene = ND
Benzo(a)pyrene = 0.000738
Benzo(b)fluoranthene = 0.00069
Benzo(k)fluoranthene = ND
Chrysene = ND
Dibenzo(a,h)anthracene = ND
Fluoranthene = 0.000541
Fluorene = ND
Indeno(1,2,3-CD)pyrene = ND
Naphthalene = ND
Pyrene = ND

WH-SS-02@5'
08/30/22
5'
ND = <0.00067
1-Methylnaphthalene = **0.00867***
2-Methylnaphthalene = 0.0184
Acenaphthene = 0.00173
Anthracene = ND
Benzo(a)anthracene = ND
Benzo(a)pyrene = 0.000939
Benzo(b)fluoranthene = 0.000934
Benzo(k)fluoranthene = ND
Chrysene = 0.0012
Dibenzo(a,h)anthracene = ND
Fluoranthene = 0.000712
Fluorene = 0.00279
Indeno(1,2,3-CD)pyrene = ND
Naphthalene = 0.00305
Pyrene = 0.000987

WH-SS-04@5'
08/30/22
5'
ND = <0.00067
1-Methylnaphthalene = ND
2-Methylnaphthalene = ND
Acenaphthene = ND
Anthracene = ND
Benzo(a)anthracene = ND
Benzo(a)pyrene = ND
Benzo(b)fluoranthene = ND
Benzo(k)fluoranthene = ND
Chrysene = ND
Dibenzo(a,h)anthracene = ND
Fluoranthene = ND
Fluorene = ND
Indeno(1,2,3-CD)pyrene = ND
Naphthalene = ND
Pyrene = ND

WH-FS-01@6'
08/30/22
6'
ND = <0.00067
1-Methylnaphthalene = 0.00169
2-Methylnaphthalene = 0.002
Acenaphthene = 0.000602
Anthracene = ND
Benzo(a)anthracene = ND
Benzo(a)pyrene = 0.000879
Benzo(b)fluoranthene = 0.000925
Benzo(k)fluoranthene = ND
Chrysene = 0.00135
Dibenzo(a,h)anthracene = ND
Fluoranthene = 0.000932
Fluorene = 0.000583
Indeno(1,2,3-CD)pyrene = 0.000673
Naphthalene = ND
Pyrene = 0.00246

WH-SS-03@5'
08/30/22
5'
ND = <0.00067
1-Methylnaphthalene = 0.000404
2-Methylnaphthalene = 0.000895
Acenaphthene = ND
Anthracene = ND
Benzo(a)anthracene = ND
Benzo(a)pyrene = 0.00101
Benzo(b)fluoranthene = 0.000996
Benzo(k)fluoranthene = ND
Chrysene = 0.000678
Dibenzo(a,h)anthracene = ND
Fluoranthene = 0.000825
Fluorene = 0.000322
Indeno(1,2,3-CD)pyrene = ND
Naphthalene = ND
Pyrene = 0.000879



ATTACHMENT A

Photo Log

Baker State B #36-12

API # 05-123-17430

Remediation # 20770

Closure Assessment

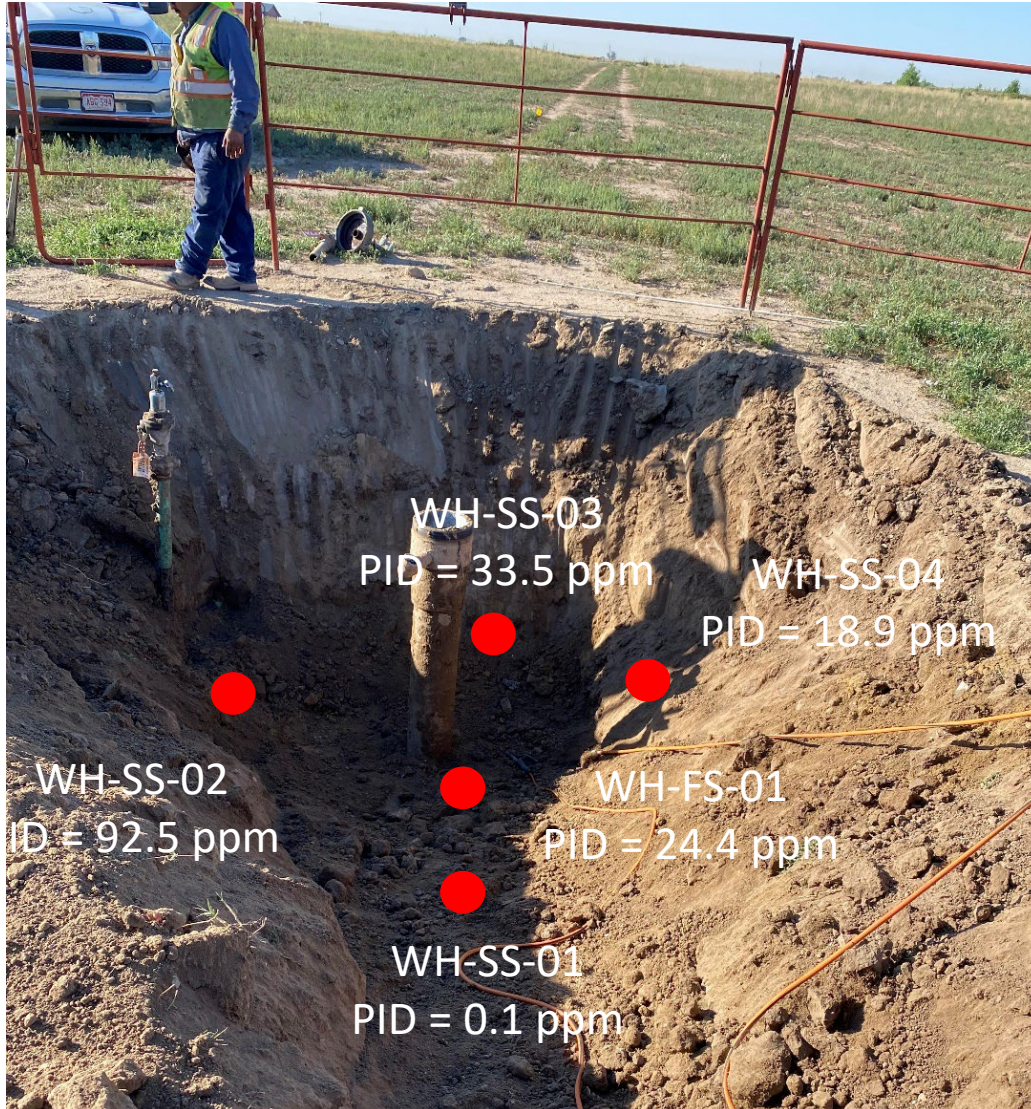
August 2022



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



Wellhead Excavation – 08/30/22



Looking south

No petroleum hydrocarbon staining observed

Slight odor observed throughout



ATTACHMENT B

Laboratory Analytical Report



September 20, 2022

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Baker State B #36-12

Project Number - [none]

Attached are your analytical results for Noble - Baker State B #36-12 received by Origins Laboratory, Inc. August 30, 2022. This project is associated with Origins project number Y208696-01.

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 - Baker State B #36-12

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-SS-01@5'	Y208696-01	Soil	August 30, 2022 8:32	08/30/2022 10:30
WH-SS-02@5'	Y208696-02	Soil	August 30, 2022 8:34	08/30/2022 10:30
WH-SS-03@5'	Y208696-03	Soil	August 30, 2022 8:35	08/30/2022 10:30
WH-SS-04@5'	Y208696-04	Soil	August 30, 2022 8:36	08/30/2022 10:30
WH-FS-01@6'	Y208696-05	Soil	August 30, 2022 8:37	08/30/2022 10:30

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 - Baker State B #36-12

ORIGINS
LABORATORY, INC

www.originslaboratory.com

Y208696

page 1 of 1

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

Project Manager: Martin Eckert III
Project Name: Baker State B #36-12
Project Number: --
Samples Collected By: CT/IM

Fax: 303.265.9645

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative			Matrix	Analysis	Sample Instructions
				Unpreserved	HCl	HNO ₃			
WH-SS-0105	8/30/22	032	2	X			Soil	X	1
WH-SS-0205		034					Groundwater	X	2
WH-SS-0305		035					Other	X	3
WH-SS-0405		036					Other	X	4
WH-FS-0106		037					Other	X	5
							Other	X	6
							Other	X	7
							Other	X	8
							Other	X	9
							Other	X	10

Relinquished By: *CT/IM* Date: 8/30/22 Time: 1030
Relinquished By: *CT/IM* Date: 8/30/22 Time: 1030

Temp Received: 4.1
Date Results Needed: NOBLE

Origins Laboratory, Inc.

Bynon

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 - Baker State B #36-12

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: Y208696

Client: Eagle

Client Project ID: Baker State B #36-

Checklist Completed by: MS

Shipped Via: HD

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

Date/time completed: 8/30/22

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 4.1 °C / °C / °C (Describe) °C

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⁾ ?	<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 (> ¼ 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) MP

8/31/22
Date/Time Reviewed

Origins Laboratory, Inc.

J. Bynon

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 - Baker State B #36-12

WH-SS-01@5'
8/30/2022 8:32:00AM

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

Origins Laboratory, Inc.
Y208696-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.714	0.0986	mg/L	1	B2H3105	08/31/2022	09/01/2022	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2H3015	08/30/2022	09/14/2022	B, U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	81.8 %	50-150			"	"	"	
------------------------	--------	--------	--	--	---	---	---	--

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2H3123	08/31/2022	09/05/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	98.1 %	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 - Baker State B #36-12

WH-SS-01@5'

8/30/2022 8:32:00AM

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

Origins Laboratory, Inc.
Y208696-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	94.6 %	70-130	B2H31 23	08/31/2022	09/05/2022
Surrogate: 4-Bromofluorobenzene	92.2 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	6.25	0.499	meq/L	10	[CALC]	08/31/2022	09/01/2022
Magnesium	3.76	0.823	"	"	"	"	"
Sodium	2.96	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	0.00046	0.000364	0.00067	mg/Kg	1	L635406	09/01/2022	09/01/2022	J
2-Methylnaphthalene	0.000735	0.000645	0.00067	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.000738	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.00069	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.000541	0.000394	0.00067	"	"	"	"	"	J
Fluorene	ND	0.000286	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 - Baker State B #36-12

WH-SS-01@5'

8/30/2022 8:32:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y208696-01 (Soil)

PAH by 8270D SIM

Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	mg/Kg	1	L635406	09/01/2022	09/01/2022
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	55.5 %		33-115			"	"	"
Surrogate: 4-Terphenyl-d14	63.3 %		33-122			"	"	"
Surrogate: Nitrobenzene-d5	57.9 %		29-110			"	"	"

pH in Soil by 9045D

pH	7.94			pH Units	1	B2H3108	08/31/2022	09/01/2022
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SAR by 20B Saturated Paste

SAR	1.32			SAR	1	B2H3102	08/31/2022	09/01/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.38		0.00500	mmhos/cm	1	B2H3108	08/31/2022	09/01/2022
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Origins Laboratory, Inc.



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

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Baker State B #36-12

WH-SS-02@5'

8/30/2022 8:34:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y208696-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.614	0.0995	mg/L	1	B2H3105	08/31/2022	09/01/2022	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2H3015	08/30/2022	09/14/2022	B, U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	80.3 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.00514	0.00200	mg/kg	1	B2H3123	08/31/2022	09/05/2022	
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	101 %	70-130			"	"	"	
Surrogate: Toluene-d8	94.8 %	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 - Baker State B #36-12

WH-SS-02@5'
8/30/2022 8:34:00AM

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

Origins Laboratory, Inc.
Y208696-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	95.1 %	70-130	B2H31 23	08/31/2022	09/05/2022
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Metals by Saturated Paste by EPA 6010

Calcium	5.74	0.499	meq/L	10	[CALC]	08/31/2022	09/01/2022
Magnesium	3.21	0.823	"	"	"	"	"
Sodium	0.884	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	0.00867	0.000364	0.00067	mg/Kg	1	L635406	09/01/2022	09/01/2022
2-Methylnaphthalene	0.0184	0.000645	0.00067	"	"	"	"	"
Acenaphthene	0.00173	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	0.000939	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	0.000934	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	0.0012	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	0.000712	0.000394	0.00067	"	"	"	"	"
Fluorene	0.00279	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.000627	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 - Baker State B #36-12

WH-SS-02@5'

8/30/2022 8:34:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y208696-02 (Soil)

PAH by 8270D SIM

Naphthalene	0.00305	0.000484	0.00067	mg/Kg	1	L635406	09/01/2022	09/01/2022	
Pyrene	0.000987	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	56.9 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	67 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	60.9 %		29-110			"	"	"	

pH in Soil by 9045D

pH	7.94			pH Units	1	B2H3108	08/31/2022	09/01/2022	
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SAR by 20B Saturated Paste

SAR	0.418			SAR	1	B2H3102	08/31/2022	09/01/2022	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.13		0.00500	mmhos/cm	1	B2H3108	08/31/2022	09/01/2022	
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Origins Laboratory, Inc.



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

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Baker State B #36-12

WH-SS-03@5'

8/30/2022 8:35:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y208696-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.558	0.0983	mg/L	1	B2H3105	08/31/2022	09/01/2022	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2H3015	08/30/2022	09/14/2022	B, U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	84.2 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2H3123	08/31/2022	09/05/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	97.7 %	70-130			"	"	"	
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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 - Baker State B #36-12

WH-SS-03@5'
8/30/2022 8:35:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y208696-03 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	94.7 %	70-130	B2H31 23	08/31/2022	09/05/2022
Surrogate: 4-Bromofluorobenzene	92.0 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	4.82	0.499	meq/L	10	[CALC]	08/31/2022	09/01/2022
Magnesium	2.76	0.823	"	"	"	"	"
Sodium	2.18	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	0.000404	0.000364	0.00067	mg/Kg	1	L635406	09/01/2022	09/01/2022	J
2-Methylnaphthalene	0.000895	0.000645	0.00067	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.00101	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.000996	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	0.000678	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.000825	0.000394	0.00067	"	"	"	"	"	
Fluorene	0.000322	0.000286	0.00067	"	"	"	"	"	J

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 - Baker State B #36-12

WH-SS-03@5'

8/30/2022 8:35:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y208696-03 (Soil)

PAH by 8270D SIM

Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	mg/Kg	1	L635406	09/01/2022	09/01/2022
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"
Pyrene	0.000879	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	53.5 %		33-115			"	"	"
Surrogate: 4-Terphenyl-d14	62.5 %		33-122			"	"	"
Surrogate: Nitrobenzene-d5	55.3 %		29-110			"	"	"

pH in Soil by 9045D

pH	8.07			pH Units	1	B2H3108	08/31/2022	09/01/2022
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SAR by 20B Saturated Paste

SAR	1.12			SAR	1	B2H3102	08/31/2022	09/01/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.15		0.00500	mmhos/cm	1	B2H3108	08/31/2022	09/01/2022
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Origins Laboratory, Inc.



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

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Baker State B #36-12

WH-SS-04@5'

8/30/2022 8:36:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y208696-04 (Soil)

Boron (DTPA Sorbitol)

Boron	0.435	0.101	mg/L	1	B2H3105	08/31/2022	09/01/2022	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2H3015	08/30/2022	09/14/2022	B, U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	82.3 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2H3123	08/31/2022	09/05/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	99.4 %	70-130			"	"	"	
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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 - Baker State B #36-12

WH-SS-04@5'

8/30/2022 8:36:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y208696-04 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	92.4 %	70-130	B2H31 23	08/31/2022	09/05/2022
Surrogate: 4-Bromofluorobenzene	95.0 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	7.38	0.499	meq/L	10	[CALC]	08/31/2022	09/01/2022
Magnesium	4.46	0.823	"	"	"	"	"
Sodium	5.04	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L635406	09/01/2022	09/01/2022
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

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 - Baker State B #36-12

WH-SS-04@5'

8/30/2022 8:36:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC. Y208696-04 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L635406	09/01/2022	09/01/2022
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	57 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	65.5 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	58.8 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.02	pH Units	1	B2H3108	08/31/2022	09/01/2022
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SAR by 20B Saturated Paste

SAR	2.07	SAR	1	B2H3102	08/31/2022	09/01/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.63	0.00500	mmhos/cm	1	B2H3108	08/31/2022	09/01/2022
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Origins Laboratory, Inc.



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

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Baker State B #36-12

WH-FS-01@6'

8/30/2022 8:37:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y208696-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.570	0.0988	mg/L	1	B2H3105	08/31/2022	09/01/2022	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2H3015	08/30/2022	09/14/2022	B, U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	80.1 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2H3123	08/31/2022	09/05/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	97.9 %	70-130	"	"	"
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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 - Baker State B #36-12

WH-FS-01@6'

8/30/2022 8:37:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y208696-05 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	92.9 %	70-130	B2H31 23	08/31/2022	09/05/2022
Surrogate: 4-Bromofluorobenzene	95.6 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	11.2	0.499	meq/L	10	[CALC]	08/31/2022	09/01/2022
Magnesium	9.85	0.823	"	"	"	"	"
Sodium	7.85	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	0.00169	0.000364	0.00067	mg/Kg	1	L635406	09/01/2022	09/01/2022
2-Methylnaphthalene	0.002	0.000645	0.00067	"	"	"	"	"
Acenaphthene	0.000602	0.000304	0.00067	"	"	"	"	J
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	0.000879	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	0.000925	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	0.00135	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	0.000932	0.000394	0.00067	"	"	"	"	"
Fluorene	0.000583	0.000286	0.00067	"	"	"	"	J

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 - Baker State B #36-12

WH-FS-01@6'

8/30/2022 8:37:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y208696-05 (Soil)

PAH by 8270D SIM

Indeno(1,2,3-cd)pyrene	0.000673	0.000627	0.00067	mg/Kg	1	L635406	09/01/2022	09/01/2022	
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"	
Pyrene	0.00246	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	55.9 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	59.8 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	59.8 %		29-110			"	"	"	

pH in Soil by 9045D

pH	7.93			pH Units	1	B2H3108	08/31/2022	09/01/2022	
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SAR by 20B Saturated Paste

SAR	2.42			SAR	1	B2H3102	08/31/2022	09/01/2022	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.53		0.00500	mmhos/cm	1	B2H3108	08/31/2022	09/01/2022	
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Origins Laboratory, Inc.



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

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Baker State B #36-12

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 B2H3015 - EPA 3550B										
Blank (B2H3015-BLK1)					Prepared: 08/30/2022 Analyzed: 09/03/2022					
Diesel (C10-C28)	38.9	25.0	mg/kg							B
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	29		"	24.9		117	50-150			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Baker State B #36-12

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 B2H3015 - EPA 3550B										
LCS (B2H3015-BS1)					Prepared: 08/30/2022 Analyzed: 09/03/2022					
Diesel (C10-C28)	513	25.0	mg/kg	500		103	70-130			
Residual Range Organics (C28-C40)	525	100	"	500		105	70-130			
Surrogate: o-Terphenyl	32		"	24.9		129	50-150			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Baker State B #36-12

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 B2H3015 - EPA 3550B

Matrix Spike (B2H3015-MS1)		Source: Y208663-01			Prepared: 08/30/2022 Analyzed: 09/03/2022					
Diesel (C10-C28)	606	25.0	mg/kg	500	88.2	104	70-130			
Residual Range Organics (C28-C40)	427	100	"	500	50.9	75.2	70-130			
Surrogate: o-Terphenyl	24		"	24.9		97.3	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 - Baker State B #36-12

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 B2H3015 - EPA 3550B

Matrix Spike Dup (B2H3015-MSD1)		Source: Y208663-01			Prepared: 08/30/2022 Analyzed: 09/03/2022					
Diesel (C10-C28)	646	25.0	mg/kg	500	88.2	112	70-130	6.42	35	
Residual Range Organics (C28-C40)	479	100	"	500	50.9	85.6	70-130	11.4	35	
Surrogate: o-Terphenyl	27		"	24.9		107	50-150			

Origins Laboratory, Inc.



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8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Baker State B #36-12

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 B2H3123 - EPA 5030 (soil)										
Blank (B2H3123-BLK1)					Prepared: 08/31/2022 Analyzed: 09/04/2022					
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		90.2	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		92.7	70-130			

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Baker State B #36-12

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2H3123 - EPA 5030 (soil)

LCS (B2H3123-BS1)

Prepared: 08/31/2022 Analyzed: 09/04/2022

1,2,4-Trimethylbenzene	0.107	0.00200	mg/kg	0.100		107	70-130			
1,3,5-Trimethylbenzene	0.110	0.00200	"	0.100		110	70-130			
Benzene	0.103	0.00200	"	0.100		103	70-130			
Ethylbenzene	0.111	0.00200	"	0.100		111	70-130			
Naphthalene	0.0969	0.00380	"	0.100		96.9	70-130			
Toluene	0.0997	0.00200	"	0.100		99.7	70-130			
o-Xylene	0.109	0.00200	"	0.100		109	70-130			
m,p-Xylene	0.223	0.00400	"	0.200		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		90.5	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		94.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		107	70-130			

Origins Laboratory, Inc.



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Martin C Eckert III
Project Number: [none]
Project: Noble - Baker State B #36-12

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 B2H3123 - EPA 5030 (soil)										
Matrix Spike (B2H3123-MS1)		Source: Y208677-01			Prepared: 08/31/2022 Analyzed: 09/04/2022					
1,2,4-Trimethylbenzene	0.0776	0.00200	mg/kg	0.100	0.000880	76.7	70-130			
1,3,5-Trimethylbenzene	0.0796	0.00200	"	0.100	0.000520	79.0	70-130			
Benzene	0.0784	0.00200	"	0.100	ND	78.4	70-130			
Ethylbenzene	0.0845	0.00200	"	0.100	ND	84.5	70-130			
Naphthalene	0.0615	0.00380	"	0.100	0.00100	60.5	70-130			QM-07
Toluene	0.0752	0.00200	"	0.100	ND	75.2	70-130			
o-Xylene	0.0825	0.00200	"	0.100	0.000520	82.0	70-130			
m,p-Xylene	0.171	0.00400	"	0.200	0.00148	84.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		85.8	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		94.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		106	70-130			

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Martin C Eckert III
Project Number: [none]
Project: Noble - Baker State B #36-12

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 B2H3123 - EPA 5030 (soil)										
Matrix Spike Dup (B2H3123-MSD1)		Source: Y208677-01			Prepared: 08/31/2022 Analyzed: 09/04/2022					
1,2,4-Trimethylbenzene	0.0807	0.00200	mg/kg	0.100	0.000880	79.8	70-130	3.94	20	
1,3,5-Trimethylbenzene	0.0808	0.00200	"	0.100	0.000520	80.3	70-130	1.55	20	
Benzene	0.0832	0.00200	"	0.100	ND	83.2	70-130	5.84	20	
Ethylbenzene	0.0822	0.00200	"	0.100	ND	82.2	70-130	2.81	20	
Naphthalene	0.0727	0.00380	"	0.100	0.00100	71.7	70-130	16.8	20	
Toluene	0.0800	0.00200	"	0.100	ND	80.0	70-130	6.21	20	
o-Xylene	0.0825	0.00200	"	0.100	0.000520	82.0	70-130	0.0242	20	
m,p-Xylene	0.166	0.00400	"	0.200	0.00148	82.3	70-130	2.85	20	
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		87.5	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		93.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		103	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 - Baker State B #36-12

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 B2H3102 - Default Prep Metals

Blank (B2H3102-BLK1)

Prepared: 08/31/2022 Analyzed: 09/01/2022

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

Duplicate (B2H3102-DUP1)

Source: Y208673-03

Prepared: 08/31/2022 Analyzed: 09/01/2022

Calcium PPM	22.2	10.0	mg/L	27.6	21.5	50
SAR	0.00		SAR	2.92	200	200
Magnesium PPM	5.63	10.0	mg/L	6.95	21.0	50
Sodium PPM	55.3	10.0	"	66.2	18.0	50

Batch B2H3105 - Default Prep Metals

Blank (B2H3105-BLK1)

Prepared: 08/31/2022 Analyzed: 09/01/2022

Boron	ND	0.100	mg/L
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Duplicate (B2H3105-DUP1)

Source: Y208673-03

Prepared: 08/31/2022 Analyzed: 09/01/2022

Boron	0.355	0.0989	mg/L	0.206	53.0	50	QR-DUP
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8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Baker State B #36-12

Saturated Paste - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B2H3108 - NO PREP										
Blank (B2H3108-BLK1)					Prepared: 08/31/2022 Analyzed: 09/01/2022					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
pH	0.00		pH Units							
Duplicate (B2H3108-DUP1)					Source: Y208673-03 Prepared: 08/31/2022 Analyzed: 09/01/2022					
Specific Conductance (EC)	0.429	0.00500	mmhos/cm		0.520			19.1	25	
pH	8.11		pH Units		7.93			2.24	25	

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8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Baker State B #36-12

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 L635406 - 3550B

MSD (L 83369-MSD-L635406)		Source: 83369			Prepared: 09/01/2022 Analyzed: 09/01/2022					
Fluorene	0.123	0.000286	mg/Kg	0.164	0.0112	68.1	30-130	3.9	30	
1-Methylnaphthalene	0.154	0.000364	"	0.164	0.0435	67.3	30-130	9.2	30	
Pyrene	0.133	0.000643	"	0.164	<0.000643	81	30-130	0.7	30	
Indeno(1,2,3-cd)pyrene	0.128	0.000627	"	0.164	<0.000627	78	30-130	7.5	30	
Fluoranthene	0.067	0.000394	"	0.164	<0.000394	40.8	30-130	0	30	
Dibenz(a,h)anthracene	0.146	0.000614	"	0.164	<0.000614	89	30-130	4	30	
Chrysene	0.128	0.000624	"	0.164	<0.000624	78	30-130	1.5	30	
Naphthalene	0.121	0.000484	"	0.164	0.011	67	30-130	2.4	30	
2-Methylnaphthalene	0.186	0.000645	"	0.164	0.0879	59.8	30-130	11.1	30	
Benzo(k)fluoranthene	0.133	0.000437	"	0.164	<0.000437	81	30-130	3.8	30	
Acenaphthene	0.112	0.000304	"	0.164	0.00739	63.7	30-130	0.8	30	
Anthracene	0.121	0.000334	"	0.164	<0.000334	73.7	30-130	0.8	30	
Benzo(a)anthracene	0.125	0.000493	"	0.164	<0.000493	76.2	30-130	1.6	30	
Benzo(a)pyrene	0.139	0.000468	"	0.164	<0.000468	84.7	30-130	0	30	
Benzo(b)fluoranthene	0.127	0.000585	"	0.164	<0.000585	77.4	30-130	9.7	30	
Surrogate: 2-Fluorobiphenyl	65		"	0.329	212	65	33-115			
Surrogate: Nitrobenzene-d5	60.4		"	0.329	200	60.4	29-110			
Surrogate: 4-Terphenyl-d14	75		"	0.329	229	75	33-122			

MS (L 83369-MS-L635406)		Source: 83369			Prepared: 09/01/2022 Analyzed: 09/01/2022					
Benzo(k)fluoranthene	0.128	0.000437	mg/Kg	0.166	<0.000437	77.1	30-130			
Acenaphthene	0.113	0.000304	"	0.166	0.00739	63.6	30-130			
Naphthalene	0.124	0.000484	"	0.166	0.011	68	30-130			
Indeno(1,2,3-cd)pyrene	0.138	0.000627	"	0.166	<0.000627	83.1	30-130			
Fluorene	0.128	0.000286	"	0.166	0.0112	70.3	30-130			
Fluoranthene	0.067	0.000394	"	0.166	<0.000394	40.3	30-130			
Dibenz(a,h)anthracene	0.152	0.000614	"	0.166	<0.000614	91.5	30-130			

Origins Laboratory, Inc.



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Martin C Eckert III
Project Number: [none]
Project: Noble - Baker State B #36-12

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 L635406 - 3550B

MS (L 83369-MS-L635406)		Source: 83369			Prepared: 09/01/2022 Analyzed: 09/01/2022					
Chrysene	0.13	0.000624	mg/Kg	0.166	<0.000624	78.3	30-130			
1-Methylnaphthalene	0.169	0.000364	"	0.166	0.0435	75.6	30-130			
Benzo(a)pyrene	0.139	0.000468	"	0.166	<0.000468	83.7	30-130			
Anthracene	0.122	0.000334	"	0.166	<0.000334	73.4	30-130			
Pyrene	0.134	0.000643	"	0.166	<0.000643	80.7	30-130			
2-Methylnaphthalene	0.208	0.000645	"	0.166	0.0879	72.3	30-130			
Benzo(b)fluoranthene	0.14	0.000585	"	0.166	<0.000585	84.3	30-130			
Benzo(a)anthracene	0.123	0.000493	"	0.166	<0.000493	74	30-130			
Surrogate: Nitrobenzene-d5	64		"	0.331	200	64	29-110			
Surrogate: 4-Terphenyl-d14	74.9		"	0.331	229	74.9	33-122			
Surrogate: 2-Fluorobiphenyl	70.6		"	0.331	212	70.6	33-115			

LCS (LCS-L635406)		Prepared: 09/01/2022 Analyzed: 09/01/2022								
Chrysene	0.125	0.000624	mg/Kg	0.167		74.8	30-130			
Dibenz(a,h)anthracene	0.153	0.000614	"	0.167		91.6	30-130			
Fluoranthene	0.124	0.000394	"	0.167		74.2	30-130			
Fluorene	0.115	0.000286	"	0.167		68.8	30-130			
Indeno(1,2,3-cd)pyrene	0.136	0.000627	"	0.167		81.4	30-130			
Naphthalene	0.103	0.000484	"	0.167		61.6	30-130			
Pyrene	0.124	0.000643	"	0.167		74.2	30-130			
Benzo(k)fluoranthene	0.129	0.000437	"	0.167		77.2	30-130			
Benzo(a)pyrene	0.137	0.000468	"	0.167		82	30-130			
Benzo(a)anthracene	0.122	0.000493	"	0.167		73	30-130			
Anthracene	0.123	0.000334	"	0.167		73.6	30-130			
Acenaphthene	0.108	0.000304	"	0.167		64.6	30-130			
2-Methylnaphthalene	0.106	0.000645	"	0.167		63.4	30-130			
1-Methylnaphthalene	0.106	0.000364	"	0.167		63.4	30-130			

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Martin C Eckert III
Project Number: [none]
Project: Noble - Baker State B #36-12

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 L635406 - 3550B

LCS (LCS-L635406)

Prepared: 09/01/2022 Analyzed: 09/01/2022

Benzo(b)fluoranthene	0.133	0.000585	mg/Kg	0.167		79.6	30-130			
Surrogate: Nitrobenzene-d5	66.9		"	0.333		66.9	29-110			
Surrogate: 4-Terphenyl-d14	75		"	0.333		75	33-122			
Surrogate: 2-Fluorobiphenyl	64.5		"	0.333		64.5	33-115			

LRB (LRB-L635406)

Prepared: 09/01/2022 Analyzed: 09/01/2022

Chrysene	ND	0.00067	mg/Kg				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Naphthalene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Pyrene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	63.3		"	0.333		63.3	29-110			
Surrogate: 4-Terphenyl-d14	66		"	0.333		66	33-122			
Surrogate: 2-Fluorobiphenyl	60.3		"	0.333		60.3	33-115			

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Martin C Eckert III
Project Number: [none]
Project: Noble - Baker State B #36-12

Notes and Definitions

U Sample is Non-Detect.

QR-DUP RPD exceeds QC acceptance criteria, this indicates source sample is not homogenous.

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

J Estimated Value. Analyte below reported quantitation limit.

B Analyte is found in the associated blank as well as in the sample (CLP B-flag).

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

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