

Wellhead Closure Checklist

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

Additional attachments (optional):		Pit Closure		Tank Battery Closure		Flowline Closure		Partially Buried Vault Closure
Site Name & COGCC Facility Number: COOT WHITE #D 3-2		Date: 6-21-22		Remediation Project #: 22156				
Associated Wells: 05-123-16941		Age of Site: YEARS		Number of Photos Attached: 1				
Location: (GPS coordinates of wellhead or southeastern most wellhead for multiple) 40.259950, -104.534780				Estimated Facility Size (acres):				
General Condition of Site: (General observations regarding housekeeping, corrosion, waste management, etc.) GOOD								
USCS Soil Type: SW				Estimated Depth to Groundwater: > 20'				
Hydrocarbon Impacted Soils / Spills: (Note estimated size and if impact appears to be surficial or extends to an unknown depth) NONE OBSERVED								
Salt Crusted Soils or Impacted Vegetation: (Note estimated size and if impact appears to be surficial or extends to an unknown depth) NONE OBSERVED								
Wellhead(s)								
Well API	05-123-16941							
Age	YEARS							
Condition of surface around wellhead	GOOD - PER CREW							
PID Readings	NA - EXCAVATED UPON ARRIVAL							
Condition of subsurface (etching present)	GOOD							
PID Readings	2.3	2.1	1.0	2.3	3.0			
Sample taken? Location/Sample Type	WH-SS-01	WH-SS-02	WH-SS-03	WH-SS-04	WH-FS-01			
Photo Number(s)	SEE PHOTOLOG							
Other observations regarding wellheads: WELL CASING CUT/CAPPED FOLLOWING ASSESSMENT								
Summary								
Was impacted soil identified? No Yes - less than 10 cubic yards Yes - more than 10 cubic yards								
Total number of samples field screened: 5				Total number of samples collected: 5				
Highest PID Reading: 3.0				Total number of samples submitted to lab for analysis: 1				
If more than 10 cubic yards of impacted soil were observed:								
Vertical extent: N/A				Estimated spill volume:				
Lateral extent:				Volume of soil removed:				
Is additional investigation required?								
Was groundwater encountered during the investigation? No Yes - not impacted or in contact with impacted soils Yes - groundwater impacted and/or in contact with impacted soils								
Measured depth to groundwater:				Was remedial groundwater removal conducted? Yes No				
Date Groundwater was encountered:				Commencement date of removal:				
Sheen on groundwater? Yes No				Volume of groundwater removed prior to sampling:				
Free product observed? Yes No				Volume of groundwater removed post sampling:				
Total number of samples collected:				Total Volumes of groundwater removed:				
Total number of samples submitted to lab for analysis:								



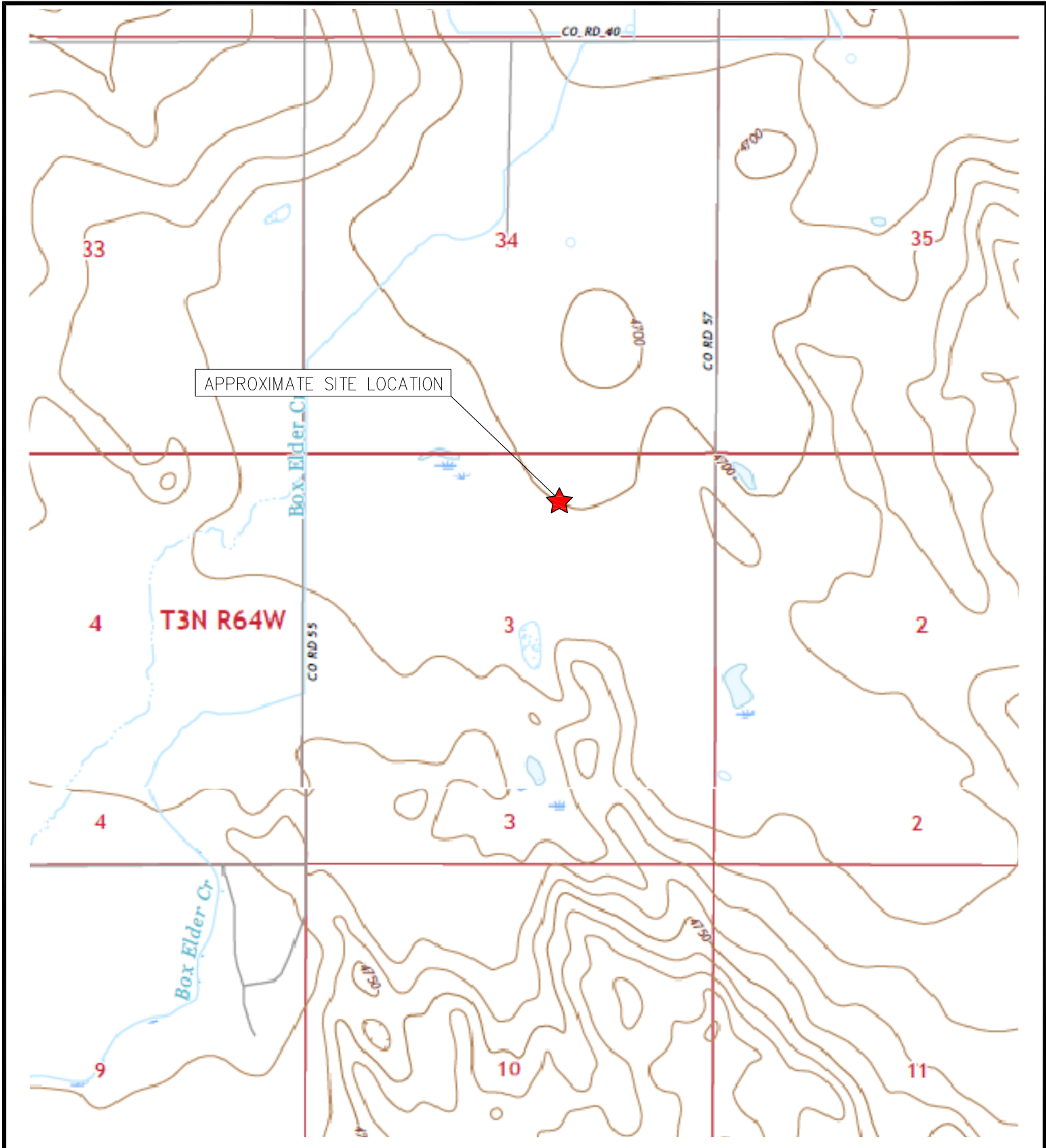
FIGURES

Figure 1: Topographic Site Location Map

Figure 2: Aerial Site Location Map

Figure 3: Soil Analytical Map

Figure 4: Polycyclic Aromatic Hydrocarbons Map



TOPOGRAPHIC SITE LOCATION MAP
 CODY WHITE #D 3-2
 CLOSURE ASSESSMENT
 40.259950 / -104.534780
 NE¼ SW¼ SEC.34 T3N R65W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-16941
 REMEDIATION # 22156

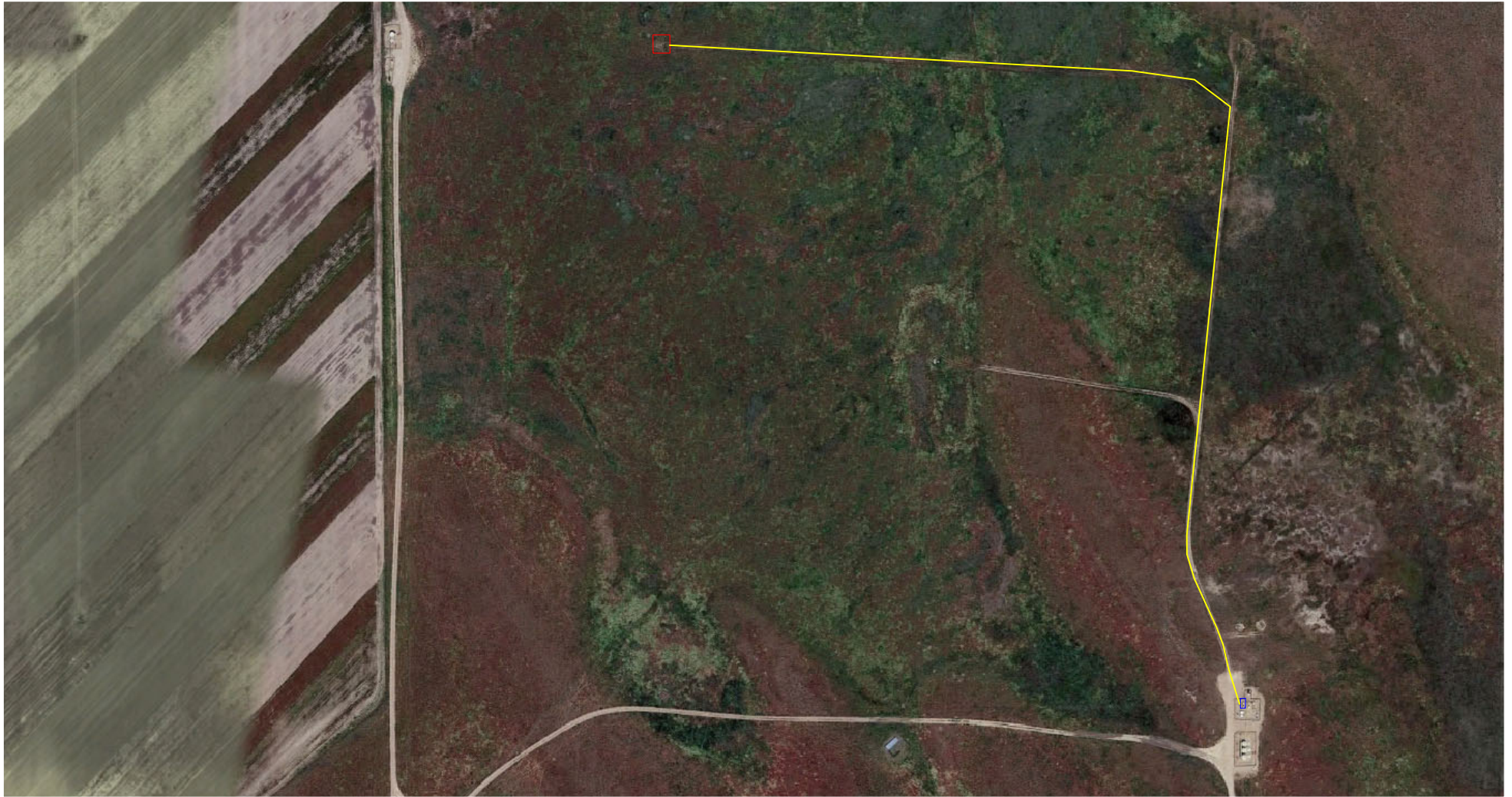


EAGLE
 ENVIRONMENTAL
 CONSULTING, INC.

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

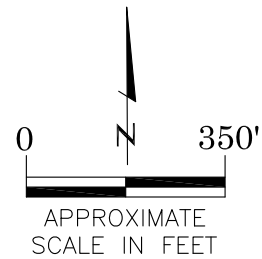
SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAPS,
 KLUG RANCH & VALLEY VIEW SCHOOL, CO
 QUADRANGLES 2022

FIGURE 1



LEGEND

- FORMER CODY WHITE #D 3-2 WELLHEAD (PLUGGED AND ABANDONED)
- ASSOCIATED SEPARATOR
- APPROXIMATE FLOWLINE LOCATION



AERIAL SITE LOCATION MAP

CODY WHITE #D 3-2
CLOSURE ASSESSMENT
40.259950 / -104.534780
NE¼ SW¼ SEC.34 T3N R65W 6PM
WELD COUNTY, COLORADO
API # 05-123-16941
REMEDATION # 22156

DATE:

12/13/22

FIG. NO.

2

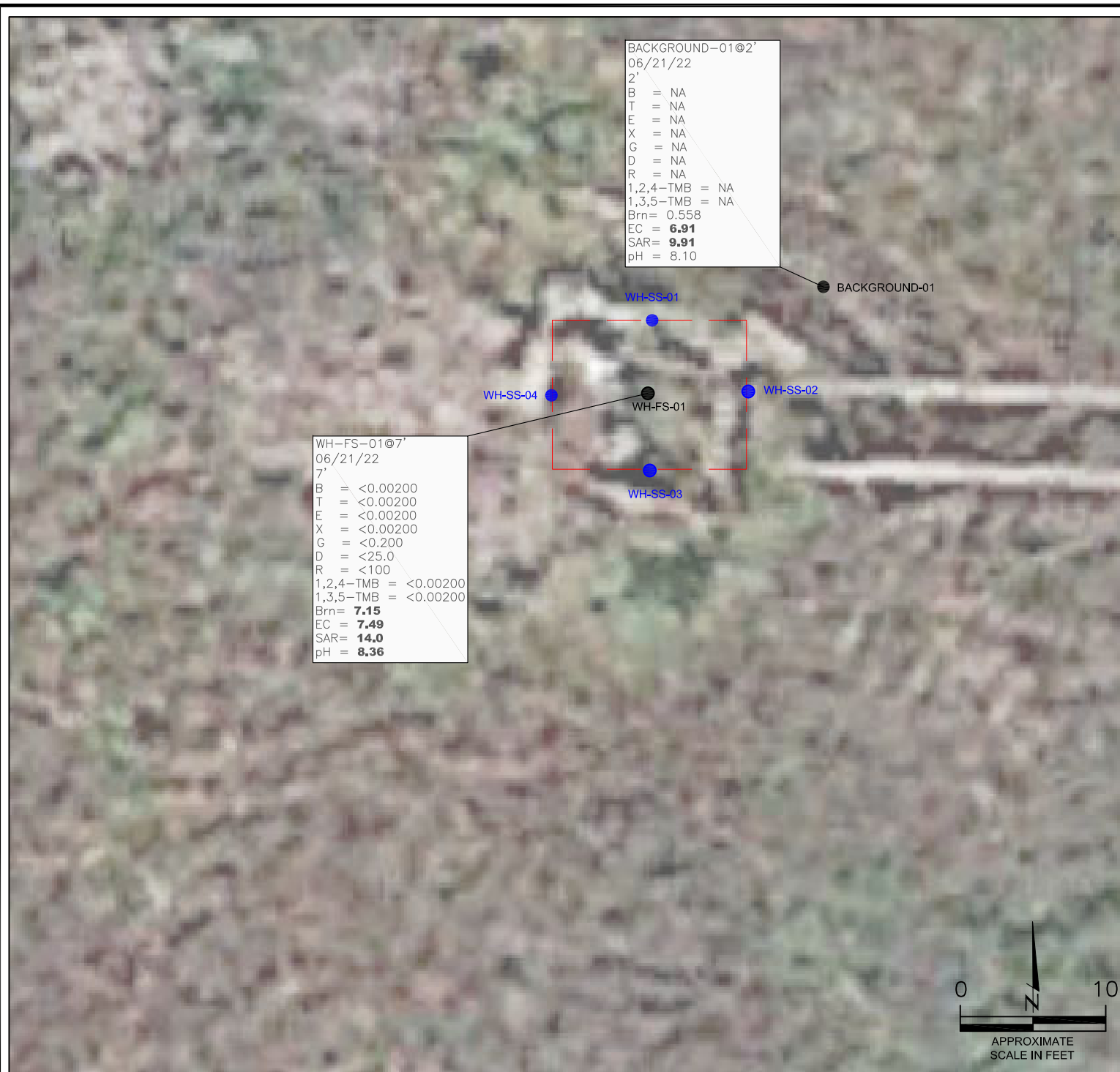
DRAWN BY:

CT



EAGLE
ENVIRONMENTAL
CONSULTING, INC.

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



LEGEND

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

PARAMETERS

SAMPLE LOCATION
DATE
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 = MILLIHOS PER CENTIMETER

NA - NOT ANALYZED

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

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

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

COGCC = COLORADO OIL AND GAS CONSERVATION COMMISSION

SOIL ANALYTICAL MAP
CODY WHITE #D 3-2
CLOSURE ASSESSMENT
40.259950 / -104.534780
NE¼ SW¼ SEC.34 T3N R65W 6PM
WELD COUNTY, COLORADO
API # 05-123-16941
REMEDIATION # 22156

DATE:
12/13/22

DRAWN BY:
CT

FIG.
NO. 3



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



WH-FS-01@7'
06/21/22
7'
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

LEGEND

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

PARAMETERS

SAMPLE LOCATION
DATE SAMPLE COLLECTED
APPROXIMATE DEPTH

POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) (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.

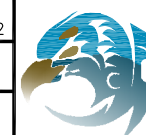
VALUES PRESENTED IN **BOLD** EXCEED COGCC TABLE 915-1 REGULATORY LIMITS.

COGCC = COLORADO OIL AND GAS CONSERVATION COMMISSION

POLYCYCLIC AROMATIC HYDROCARBONS MAP
CODY WHITE #D 3-2
CLOSURE ASSESSMENT
40.259950 / -104.534780
NE¼ SW¼ SEC.34 T3N R65W 6PM
WELD COUNTY, COLORADO
API # 05-123-16941
REMEDATION # 22156

DATE:
12/13/22
DRAWN BY:
CT

FIG.
NO. 4



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



TABLES

Table 1: Photoionization Detector Reading Summary

Table 2: Soil Analytical Results Summary

TABLE 1
PHOTOIONIZATION DETECTOR READING SUMMARY
CODY WHITE #D 3-2
CLOSURE ASSESSMENT
40.259950 / -104.534780
NW1/4 NE1/4 SEC.3 T3N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-16941
REMEDIALTION # 22156

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	PID Reading (ppm-v)	Lab Submission (Y/N)
WH-SS-01 @ 6' (40.259962 / -104.534783)	06/21/22	6	2.3	N
WH-SS-02 @ 6' (40.259948 / -104.534768)	06/21/22	6	2.1	N
WH-SS-03 @ 6' (40.259939 / -104.534787)	06/21/22	6	1.0	N
WH-SS-04 @ 6' (40.259953 / -104.534804)	06/21/22	6	2.3	N
WH-FS-01 @ 7' (40.259950 / -104.534785)	06/21/22	7	3.0	Y
Background-01 @ 2' (40.259972 / -104.534744)	06/21/22	2	2.6	Y
(Y/N) = Yes or No ppm-v = parts per million by volume PID = Photoionization Detector				

TABLE 2
SOIL ANALYTICAL RESULTS SUMMARY
CODY WHITE #D 3-2
CLOSURE ASSESSMENT
40.259950 / -104.534780
NW1/4 NE1/4 SEC.3 T3N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-16941
REMEDATION # 22156

Sample Location			WH-FS-01 @ 7'		Background-01 @ 2'	
(Latitude / Longitude)			(40.259950 / -104.534785)		(40.259972 / -104.534744)	
Sample Date			6/21/2022		6/21/2022	
Sample Depth			7'		2'	
PID Reading (ppm-v)			3.0		2.6	
Regulatory Limits						
Chemical of Concern	Units	COGCC Table 915-1 RSSLs	COGCC Table 915-1 GSSLs			
VOCs						
Benzene	mg/kg	1.2	0.0026	<0.00200		NA
Toluene	mg/kg	490	0.69	<0.00200		NA
Ethylbenzene	mg/kg	5.8	0.78	<0.00200		NA
Total Xylenes	mg/kg	58	9.9	<0.00200		NA
1,2,4-Trimethylbenzene	mg/kg	30	0.0081	<0.00200		NA
1,3,5-Trimethylbenzene	mg/kg	27	0.0087	<0.00200		NA
Total Petroleum Hydrocarbons						
TPH-GRO	mg/kg	500	--	<0.200		NA
TPH-DRO	mg/kg	500	--	<25.0		NA
TPH-RRO	mg/kg	500	--	<100		NA
Polycyclic Aromatics Hydrocarbons						
1-Methyl-naphthalene	mg/kg	18	0.006	<0.00067		NA
2-Methyl-naphthalene	mg/kg	24	0.019	<0.00067		NA
Acenaphthene	mg/kg	360	0.55	<0.00067		NA
Anthracene	mg/kg	1800	5.8	<0.00067		NA
Benzo(a)-anthracene	mg/kg	1.1	0.011	<0.00067		NA
Benzo(a)-pyrene	mg/kg	0.11	0.24	<0.00067		NA
Benzo(b)-fluoranthene	mg/kg	1.1	0.3	<0.00067		NA
Benzo(k)-fluoranthene	mg/kg	11	2.9	<0.00067		NA
Chrysene	mg/kg	110	9	<0.00067		NA
Dibenzo(a,h)-anthracene	mg/kg	0.11	0.096	<0.00067		NA
Fluoranthene	mg/kg	240	8.9	<0.00067		NA
Fluorene	mg/kg	240	0.54	<0.00067		NA
Indeno(1,2,3-cd)-pyrene	mg/kg	1.1	0.98	<0.00067		NA
Naphthalene	mg/kg	2	0.0038	<0.00067		NA
Pyrene	mg/kg	180	1.3	<0.00067		NA
Soil Suitability (Inorganics)						
Boron	mg/L	2	--	7.15		0.558
pH	standard unit	6-8.3	--	8.36		8.10
Sodium Adsorption Ratio (SAR)	--	<6	--	14.0		9.91
Specific Conductance (EC)	mmhos/cm	<4	--	7.49		6.91
COGCC = Colorado Oil and Gas Conservation Commission		VOCs - Volatile Organic Compounds		NA - Not Analyzed		
mg/kg = milligrams per kilogram		RSSLs = Residential Soil Screening Levels				
mmhos/cm = millimhos per centimeter		GSSLs = Protection of Groundwater Soil Screening Levels				
PID = Photoionization Detector		TPH-GRO = Total Petroleum Hydrocarbons - Gasoline Range Organics				
ppm-v = parts per million by volume		TPH-DRO = Total Petroleum Hydrocarbons - Diesel Range Organics				
mg/L = milligrams per liter		TPH-RRO = Total Petroleum Hydrocarbons - Residual Range Organics				
SAR = Sodium Adsorption Ratio						
Notes:						
Values presented with a less than symbol (<) did not contain concentrations at or above the laboratory reporting limit and/or minimum detection limit						
Values presented in BOLD exceed COGCC Table 915-1 Regulatory Limits.						



ATTACHMENT A

Photo Log

Cody White #D 3-2

API # 05-123-16941

Remediation # 22156

Closure Assessment

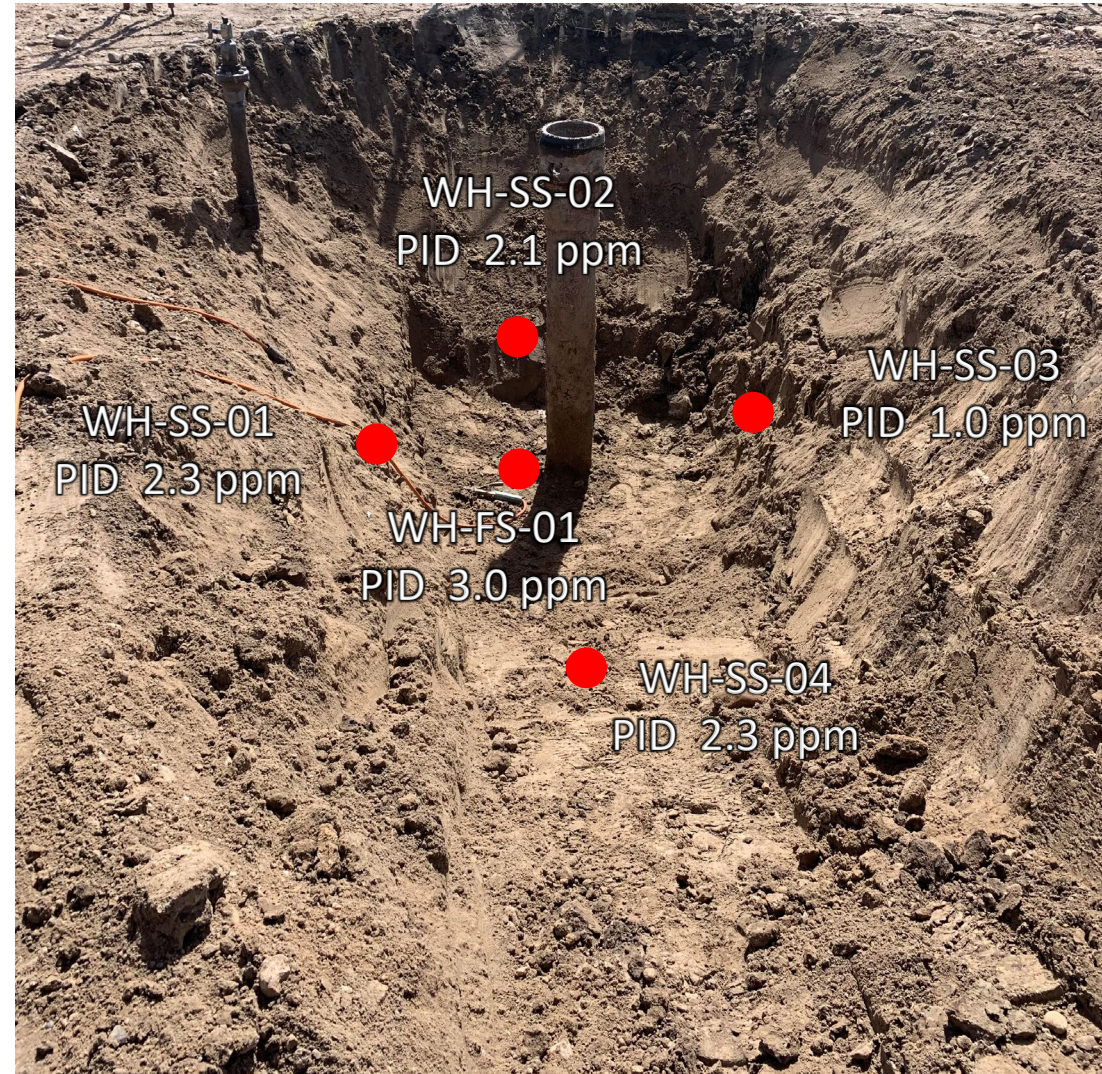
June 2022



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



Wellhead Excavation – 06/21/22



Looking east

No petroleum hydrocarbon staining or odor observed



ATTACHMENT B

Laboratory Analytical Reports



July 11, 2022

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Cody White #D 3-2

Project Number - -

Attached are your analytical results for Noble - Cody White #D 3-2 received by Origins Laboratory, Inc. June 21, 2022. This project is associated with Origins project number Y206526-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Eagle Environmental Consulting, Inc.

8000 W 44th Ave

Wheat Ridge CO 80033

Martin C Eckert III

Project Number: -

Project: Noble - Cody White #D 3-2

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-FS-01@7'	Y206526-01	Soil	June 21, 2022 10:23	06/21/2022 16:27

Origins Laboratory, Inc.



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

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

Martin C Eckert III
Project Number: -
Project: Noble - Cody White #D 3-2

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4200526 Client: Eagle
Client Project ID: Cody White D-3-2

Checklist Completed by: JE Shipped Via: 1D
(UPS, FedEx, Hand Delivered, Pick-up, etc.)
Date/time completed: 6/23/22 Airbill #: 47

Matrix(s) Received: (Check all that apply): 1 Soil/Solid Water Other:

Cooler Number/Temperature: 1 / 2.3 °C / °C / °C (Describe) °C

Thermometer ID: 7051

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Is there ice present (document if blue ice is used)	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Were all samples received intact ⁽¹⁾ ?	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Was adequate sample volume provided ⁽¹⁾ ?	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<u> </u>	<u> </u>	<u> </u>	<u> </u>
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<u> </u>	<u> </u>	<u> </u>	<u> </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> </u>	<u> </u>	<u> </u>	<u> </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) JE Date/Time Reviewed 6/23/22

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: -
Project: Noble - Cody White #D 3-2

WH-FS-01@7'

6/21/2022 10:23:00AM

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

Origins Laboratory, Inc.
Y206526-01 (Soil)

Boron (DTPA Sorbitol)

Boron	7.15	0.100	mg/L	1	B2F2310	06/23/2022	06/24/2022	
-------	------	-------	------	---	---------	------------	------------	--

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2F2303	06/23/2022	07/02/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	73.5 %	50-150	"	"	"	"	"
------------------------	--------	--------	---	---	---	---	---

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2F2224	06/22/2022	06/23/2022	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	113 %	70-130	"	"	"	"	"
----------------------------------	-------	--------	---	---	---	---	---

Origins Laboratory, Inc.



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

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

Martin C Eckert III
Project Number: -
Project: Noble - Cody White #D 3-2

WH-FS-01@7'

6/21/2022 10:23:00AM

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

Origins Laboratory, Inc.
Y206526-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	86.3 %	70-130	B2F22 24	06/22/2022	06/23/2022
Surrogate: 4-Bromofluorobenzene	100 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	20.5	0.499	meq/L	10	[CALC]	06/23/2022	06/24/2022
Magnesium	8.74	0.823	"	"	"	"	"
Sodium	53.3	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L623431	06/24/2022	06/28/2022
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.



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

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

Martin C Eckert III
Project Number: -
Project: Noble - Cody White #D 3-2

WH-FS-01@7'

6/21/2022 10:23:00AM

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

Waypoint Analytical, Inc.
Y206526-01 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L623431	06/24/2022	06/28/2022
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	55.7 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	96.7 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	59 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.36	pH Units	1	B2F2311	06/23/2022	06/24/2022
----	------	----------	---	---------	------------	------------

SAR by 20B Saturated Paste

SAR	14.0	SAR	1	B2F2309	06/23/2022	06/24/2022
-----	------	-----	---	---------	------------	------------

Specific Conductance Mod. 9050A

Specific Conductance (EC)	7.49	0.00500	mmhos/cm	1	B2F2311	06/23/2022	06/24/2022
---------------------------	------	---------	----------	---	---------	------------	------------

Origins Laboratory, Inc.



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

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

Martin C Eckert III
Project Number: -
Project: Noble - Cody White #D 3-2

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 B2F2224 - EPA 5030 (soil)										
Blank (B2F2224-BLK1)					Prepared: 06/22/2022 Analyzed: 06/23/2022					
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.0100	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		87.7	70-130			
Surrogate: Toluene-d8	0.11		"	0.125		91.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
Project Number: -
Project: Noble - Cody White #D 3-2

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 B2F2224 - EPA 5030 (soil)										
LCS (B2F2224-BS1)					Prepared: 06/22/2022 Analyzed: 06/23/2022					
1,2,4-Trimethylbenzene	0.112	0.00200	mg/kg	0.100		112	70-130			
1,3,5-Trimethylbenzene	0.113	0.00200	"	0.100		113	70-130			
Benzene	0.0983	0.00200	"	0.100		98.3	70-130			
Ethylbenzene	0.105	0.00200	"	0.100		105	70-130			
Naphthalene	0.110	0.0100	"	0.100		110	70-130			
Toluene	0.0963	0.00200	"	0.100		96.3	70-130			
o-Xylene	0.104	0.00200	"	0.100		104	70-130			
m,p-Xylene	0.215	0.00400	"	0.200		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		91.3	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		92.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.9	70-130			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
Project Number: -
Project: Noble - Cody White #D 3-2

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 B2F2224 - EPA 5030 (soil)										
Matrix Spike (B2F2224-MS1)		Source: Y206500-01			Prepared: 06/22/2022 Analyzed: 06/23/2022					
1,2,4-Trimethylbenzene	0.117	0.00200	mg/kg	0.100	ND	117	70-130			
1,3,5-Trimethylbenzene	0.118	0.00200	"	0.100	ND	118	70-130			
Benzene	0.0971	0.00200	"	0.100	ND	97.1	70-130			
Ethylbenzene	0.112	0.00200	"	0.100	ND	112	70-130			
Naphthalene	0.0881	0.0100	"	0.100	0.00104	87.0	70-130			
Toluene	0.0968	0.00200	"	0.100	ND	96.8	70-130			
o-Xylene	0.109	0.00200	"	0.100	ND	109	70-130			
m,p-Xylene	0.229	0.00400	"	0.200	ND	114	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.10		"	0.125		81.4	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		94.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
Project Number: -
Project: Noble - Cody White #D 3-2

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 B2F2224 - EPA 5030 (soil)										
Matrix Spike Dup (B2F2224-MSD1)		Source: Y206500-01			Prepared: 06/22/2022 Analyzed: 06/23/2022					
1,2,4-Trimethylbenzene	0.108	0.00200	mg/kg	0.100	ND	108	70-130	8.09	20	
1,3,5-Trimethylbenzene	0.109	0.00200	"	0.100	ND	109	70-130	7.91	20	
Benzene	0.0924	0.00200	"	0.100	ND	92.4	70-130	5.00	20	
Ethylbenzene	0.103	0.00200	"	0.100	ND	103	70-130	8.13	20	
Naphthalene	0.0907	0.0100	"	0.100	0.00104	89.7	70-130	3.00	20	
Toluene	0.0900	0.00200	"	0.100	ND	90.0	70-130	7.35	20	
o-Xylene	0.101	0.00200	"	0.100	ND	101	70-130	7.26	20	
m,p-Xylene	0.212	0.00400	"	0.200	ND	106	70-130	7.64	20	
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		86.2	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		93.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
Project Number: -
Project: Noble - Cody White #D 3-2

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 B2F2303 - EPA 3580										
Blank (B2F2303-BLK1)					Prepared: 06/23/2022 Analyzed: 07/02/2022					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	21		"	24.9		82.9	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: -
Project: Noble - Cody White #D 3-2

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 B2F2303 - EPA 3580										
LCS (B2F2303-BS1)					Prepared: 06/23/2022 Analyzed: 07/02/2022					
Diesel (C10-C28)	1030	50.0	mg/kg	1000		103	70-130			
Residual Range Organics (C28-C40)	900	200	"	1000		90.0	70-130			
Surrogate: o-Terphenyl	42		"	49.8		83.5	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: -
Project: Noble - Cody White #D 3-2

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 B2F2303 - EPA 3580

Matrix Spike (B2F2303-MS1)		Source: Y206513-01			Prepared: 06/23/2022 Analyzed: 07/02/2022					
Diesel (C10-C28)	1730	50.0	mg/kg	1000	570	116	70-130			
Residual Range Organics (C28-C40)	1050	200	"	1000	122	93.0	70-130			
Surrogate: o-Terphenyl	43		"	49.8		85.4	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: -
Project: Noble - Cody White #D 3-2

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 B2F2303 - EPA 3580

Matrix Spike Dup (B2F2303-MSD1)		Source: Y206513-01			Prepared: 06/23/2022 Analyzed: 07/02/2022					
Diesel (C10-C28)	2230	50.0	mg/kg	1000	570	166	70-130	25.2	35	QM-07
Residual Range Organics (C28-C40)	1230	200	"	1000	122	111	70-130	15.5	35	
Surrogate: o-Terphenyl	48		"	49.8		95.8	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: -
Project: Noble - Cody White #D 3-2

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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Saturated Paste - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B2F2311 - NO PREP

Blank (B2F2311-BLK1)

Prepared: 06/23/2022 Analyzed: 06/24/2022

pH 0.00 pH Units
Specific Conductance (EC) 0.00180 0.00500 mmhos/cm

Duplicate (B2F2311-DUP1)

Source: Y206240-01

Prepared: 06/23/2022 Analyzed: 06/24/2022

pH 6.40 pH Units 6.40 0.00 25
Specific Conductance (EC) 0.107 0.00500 mmhos/cm 0.122 13.3 25

Origins Laboratory, Inc.



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

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

Martin C Eckert III
Project Number: -
Project: Noble - Cody White #D 3-2

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch L623431 - 3550B

MSD (L 81986-MSD-L623431)		Source: 81986			Prepared: 06/24/2022 Analyzed: 06/28/2022					
Chrysene	0.112	0.000624	mg/Kg	0.165	<0.000624	67.8	30-130	3.5	30	
1-Methylnaphthalene	0.103	0.000364	"	0.165	<0.000364	62.4	30-130	6.5	30	
2-Methylnaphthalene	0.101	0.000645	"	0.165	<0.000645	61.2	30-130	0.9	30	
Acenaphthene	0.0853	0.000304	"	0.165	<0.000304	51.6	30-130	6.9	30	
Anthracene	0.0975	0.000334	"	0.165	<0.000334	59	30-130	1.5	30	
Benzo(a)anthracene	0.111	0.000493	"	0.165	<0.000493	67.2	30-130	0.9	30	
Pyrene	0.11	0.000643	"	0.165	<0.000643	66.6	30-130	14.8	30	
Benzo(b)fluoranthene	0.0982	0.000585	"	0.165	<0.000585	59.5	30-130	50.9	30	
Naphthalene	0.0862	0.000484	"	0.165	<0.000484	52.2	30-130	4.8	30	
Indeno(1,2,3-cd)pyrene	0.0751	0.000627	"	0.165	<0.000627	45.5	30-130	1.7	30	
Fluorene	0.0955	0.000286	"	0.165	0.000653	57.4	30-130	10.4	30	
Fluoranthene	0.0983	0.000394	"	0.165	<0.000394	59.5	30-130	17.3	30	
Dibenz(a,h)anthracene	0.0815	0.000614	"	0.165	<0.000614	49.3	30-130	2.3	30	
Benzo(k)fluoranthene	0.0984	0.000437	"	0.165	<0.000437	59.6	30-130	51.1	30	
Benzo(a)pyrene	0.105	0.000468	"	0.165	<0.000468	63.6	30-130	1.8	30	
Surrogate: 2-Fluorobiphenyl	59		"	0.33	170	59	33-115			
Surrogate: 4-Terphenyl-d14	80		"	0.33	244	80	33-122			
Surrogate: Nitrobenzene-d5	63.6		"	0.33	169	63.6	29-110			

MS (L 81986-MS-L623431)		Source: 81986			Prepared: 06/24/2022 Analyzed: 06/28/2022					
Benzo(b)fluoranthene	0.0583	0.000585	mg/Kg	0.163	<0.000585	35.7	30-130			
Dibenz(a,h)anthracene	0.0796	0.000614	"	0.163	<0.000614	48.8	30-130			
Pyrene	0.0948	0.000643	"	0.163	<0.000643	58.1	30-130			
Naphthalene	0.0821	0.000484	"	0.163	<0.000484	50.3	30-130			
Indeno(1,2,3-cd)pyrene	0.0738	0.000627	"	0.163	<0.000627	45.2	30-130			
Fluorene	0.106	0.000286	"	0.163	0.000653	64.6	30-130			
Fluoranthene	0.0826	0.000394	"	0.163	<0.000394	50.6	30-130			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
Project Number: -
Project: Noble - Cody White #D 3-2

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch L623431 - 3550B

MS (L 81986-MS-L623431)		Source: 81986			Prepared: 06/24/2022 Analyzed: 06/28/2022					
2-Methylnaphthalene	0.102	0.000645	mg/Kg	0.163	<0.000645	62.5	30-130			
Benzo(a)pyrene	0.107	0.000468	"	0.163	<0.000468	65.6	30-130			
Benzo(a)anthracene	0.11	0.000493	"	0.163	<0.000493	67.4	30-130			
Anthracene	0.099	0.000334	"	0.163	<0.000334	60.7	30-130			
Acenaphthene	0.0914	0.000304	"	0.163	<0.000304	56	30-130			
Benzo(k)fluoranthene	0.0583	0.000437	"	0.163	<0.000437	35.7	30-130			
1-Methylnaphthalene	0.11	0.000364	"	0.163	<0.000364	67.4	30-130			
Chrysene	0.116	0.000624	"	0.163	<0.000624	71.1	30-130			
Surrogate: Nitrobenzene-d5	69.3		"	0.326	169	69.3	29-110			
Surrogate: 4-Terphenyl-d14	85.5		"	0.326	244	85.5	33-122			
Surrogate: 2-Fluorobiphenyl	71.7		"	0.326	170	71.7	33-115			

LCS (LCS-L623431)		Prepared: 06/24/2022 Analyzed: 06/28/2022								
Dibenz(a,h)anthracene	0.091	0.000614	mg/Kg	0.167		54.4	30-130			
Fluoranthene	0.0982	0.000394	"	0.167		58.8	30-130			
Fluorene	0.0834	0.000286	"	0.167		49.9	30-130			
Indeno(1,2,3-cd)pyrene	0.0863	0.000627	"	0.167		51.6	30-130			
Naphthalene	0.0773	0.000484	"	0.167		46.2	30-130			
Pyrene	0.101	0.000643	"	0.167		60.4	30-130			
Acenaphthene	0.0833	0.000304	"	0.167		49.8	30-130			
Chrysene	0.115	0.000624	"	0.167		68.8	30-130			
Benzo(b)fluoranthene	0.105	0.000585	"	0.167		62.8	30-130			
Benzo(a)pyrene	0.11	0.000468	"	0.167		65.8	30-130			
Anthracene	0.0981	0.000334	"	0.167		58.7	30-130			
2-Methylnaphthalene	0.0898	0.000645	"	0.167		53.7	30-130			
1-Methylnaphthalene	0.092	0.000364	"	0.167		55	30-130			
Benzo(a)anthracene	0.115	0.000493	"	0.167		68.8	30-130			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
Project Number: -
Project: Noble - Cody White #D 3-2

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch L623431 - 3550B

LCS (LCS-L623431)

Prepared: 06/24/2022 Analyzed: 06/28/2022

Benzo(k)fluoranthene	0.0962	0.000437	mg/Kg	0.167		57.6	30-130			
Surrogate: Nitrobenzene-d5	62.1		"	0.333		62.1	29-110			
Surrogate: 4-Terphenyl-d14	93.9		"	0.333		93.9	33-122			
Surrogate: 2-Fluorobiphenyl	61.8		"	0.333		61.8	33-115			

LRB (LRB-L623431)

Prepared: 06/24/2022 Analyzed: 06/28/2022

Pyrene	ND	0.00067	mg/Kg				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
Naphthalene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	75		"	0.333		75	29-110			
Surrogate: 4-Terphenyl-d14	76.5		"	0.333		76.5	33-122			
Surrogate: 2-Fluorobiphenyl	61.2		"	0.333		61.2	33-115			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
Project Number: -
Project: Noble - Cody White #D 3-2

Notes and Definitions

U Sample is Non-Detect.

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

Origins Laboratory, Inc.



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



July 19, 2022

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Cody White #D 3-2

Project Number - [none]

Attached are your analytical results for Noble - Cody White #D 3-2 received by Origins Laboratory, Inc. July 11, 2022. This project is associated with Origins project number Y207212-01.

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 - Cody White #D 3-2

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Background-01@2'	Y207212-01	Soil	June 21, 2022 10:25	07/11/2022 14:35

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 - Cody White #D 3-2

Origins Laboratory

Sample Receipt Checklist

Origins Work Order: 4207212

Client: Eagle/Noble

Client Project ID: Cody White

Checklist Completed by: JB

Date/Time completed: 7/13/22

Shipped Via: HD

Airbill #: N/A

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

Cooler Number/Temperature: 1 39°C °C °C (Describe) °C

Thermometer ID: T003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽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) JP

Date/Time Reviewed 7/13/22

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 - Cody White #D 3-2

Background-01@2'
6/21/2022 10:25:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc.
Y207212-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.558	0.100	mg/L	1	B2G1309	KAP	07/13/2022	07/14/2022
-------	-------	-------	------	---	---------	-----	------------	------------

Metals by Saturated Paste by EPA 6010

Calcium	23.4	0.499	meq/L	10	[CALC]	KAP	07/13/2022	07/14/2022
Magnesium	16.7	0.823	"	"	"	KAP	"	"
Sodium	44.4	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.10		pH Units	1	B2G1316	CNG	07/13/2022	07/14/2022
----	------	--	----------	---	---------	-----	------------	------------

SAR by 20B Saturated Paste

SAR	9.91		SAR	1	B2G1312	KAP	07/13/2022	07/14/2022
-----	------	--	-----	---	---------	-----	------------	------------

Specific Conductance Mod. 9050A

Specific Conductance (EC)	6.91	0.00500	mmhos/cm	1	B2G1316	CNG	07/13/2022	07/14/2022
---------------------------	------	---------	----------	---	---------	-----	------------	------------

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 - Cody White #D 3-2

Saturated Paste - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B2G1316 - NO PREP										
Blank (B2G1316-BLK1)					Prepared: 07/13/2022 Analyzed: 07/14/2022					
Specific Conductance (EC)	0.00210	0.00500	mmhos/cm							
pH	0.00		pH Units							
Duplicate (B2G1316-DUP1)					Source: Y207210-06		Prepared: 07/13/2022 Analyzed: 07/14/2022			
Specific Conductance (EC)	0.527	0.00500	mmhos/cm		0.471			11.3	25	
pH	8.38		pH Units		8.40			0.238	25	

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 - Cody White #D 3-2

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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.