

Wellhead Closure Checklist						
COGCC Rule 911.a.(4) Environmental Site Closure Assessment Field Form						
Additional attachments (optional):		Pit Closure		Tank Battery Closure		Flowline Closure
Site Name & COGCC Facility Number: Amen PC D #06-18D		Date: 09/26/23				Remediation Project #: 26921
Associated Wells: 05-123-32301		Age of Site: Years				Number of Photos Attached: 2
Location: (GPS coordinates of wellhead or southeastern most wellhead for multiple)					40.253972 / -104.594043	
General Condition of Site: (General observations regarding housekeeping, corrosion, waste management, etc.)						
Good condition.						
USCS Soil Type: SM				Estimated Depth to Groundwater: Approx. 10-15'		
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	05-123-32301					
Age	Years					
Condition of surface around wellhead	Good - Per Crew					
PID Readings	N/A - Excavated Upon Arrival					
Condition of subsurface (staining present)	Good - No odor/no staining					
PID Readings	0.8	0.5	1.2	0.9	2.2	
Sample taken? Location/Sample ID#	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?						
<input checked="" type="checkbox"/> 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: 2.2				Total number of samples submitted to lab for analysis: 1		
If more than 10 cubic yards of impacted soil were observed:						
Vertical extent:				Estimated spill volume:		
Lateral extent:				Volume of soil removed:		
Is additional investigation required?						
Was groundwater encountered during the investigation?						
<input checked="" type="checkbox"/> 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 Volume of groundwater removed:		
Total number of samples submitted to lab for analysis:						

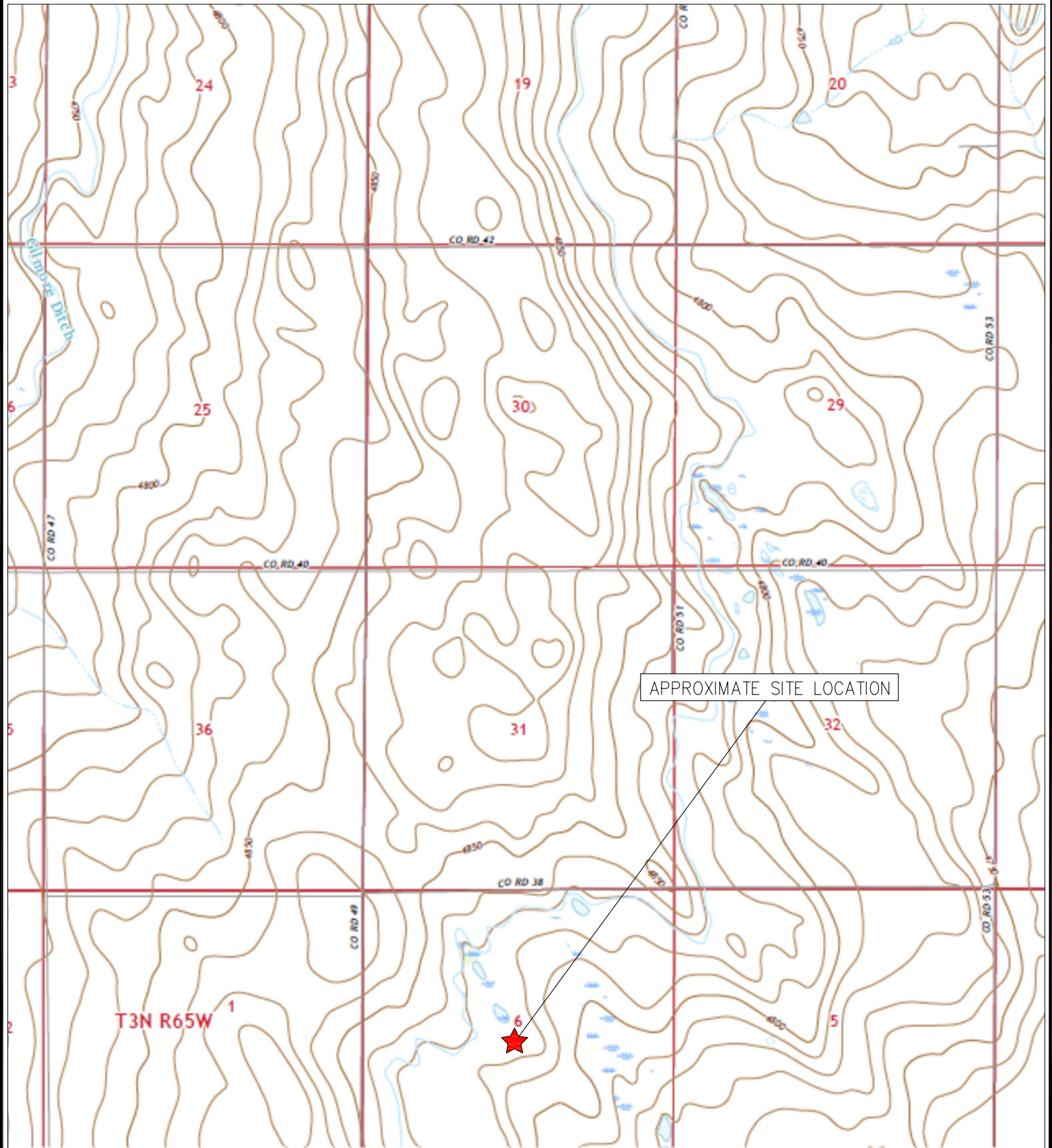


FIGURES

Figure 1: Topographic Site Location Map

Figure 2: Aerial Site Location Map

Figure 3: Soil Analytical Map

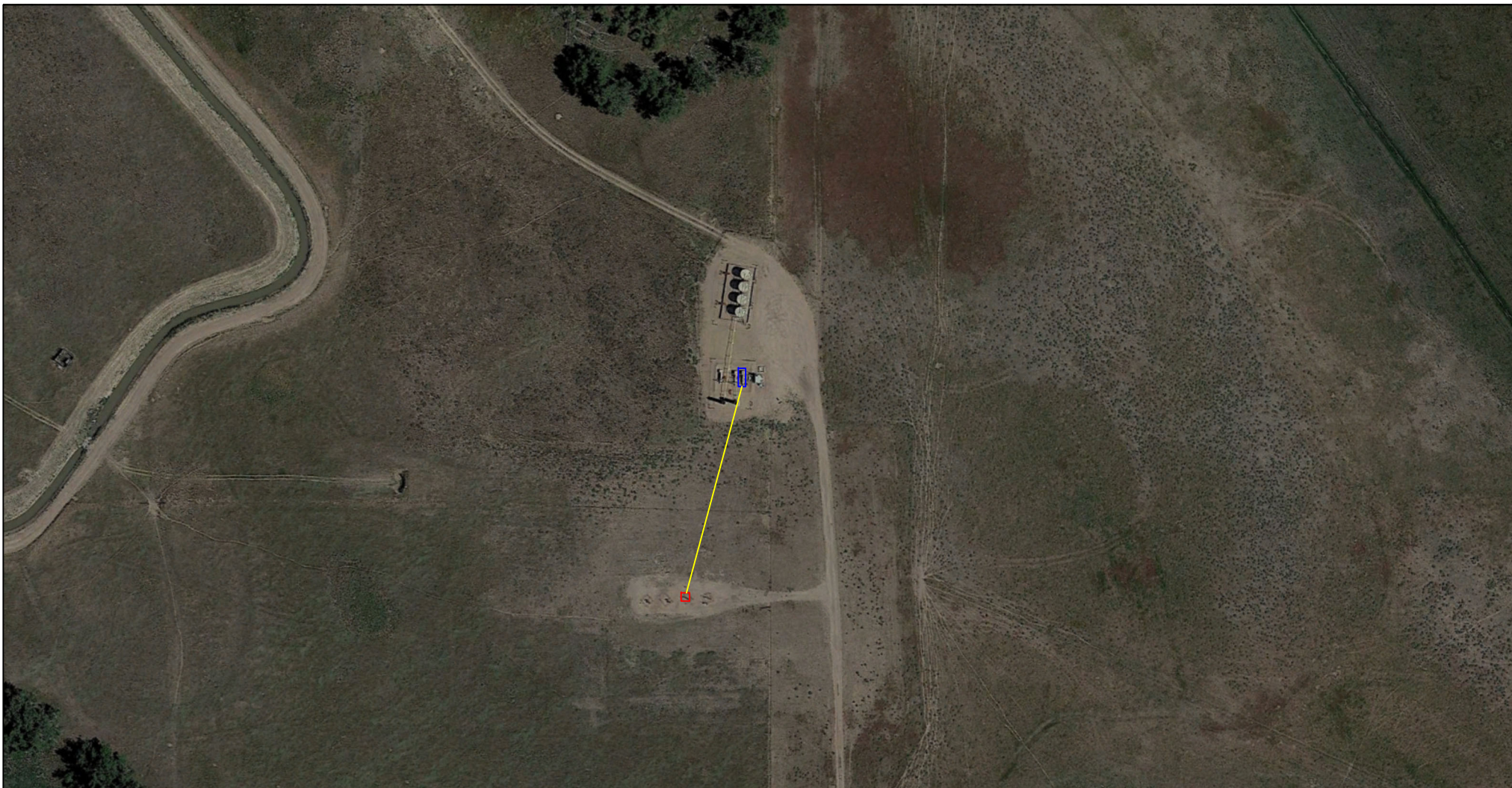


TOPOGRAPHIC SITE LOCATION MAP
AMEN PC D #06-18D
CLOSURE ASSESSMENT
40.253972 / -104.594043
NE $\frac{1}{4}$ SW $\frac{1}{4}$ SEC.6 T3N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-32301
REMEDIAION # 26921



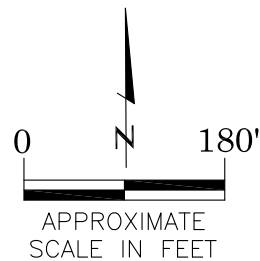
EAGLE
ENVIRONMENTAL
CONSULTING, LLC

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



LEGEND

- FORMER AMEN PC D #06-18D WELLHEAD (PLUGGED AND ABANDONED)
- ASSOCIATED SEPARATOR
- APPROXIMATE FLOWLINE LOCATION



AERIAL SITE LOCATION MAP
 AMEN PC D #06-18D
 CLOSURE ASSESSMENT
 40.253972 / -104.594043
 NE¼ SW¼ SEC.6 T3N R64W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-32301
 REMEDIATION # 26921

FIGURE NO.
2

DRAWN BY:
BB

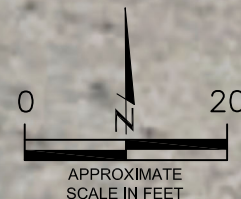


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BACKGROUND-01@3'
09/26/23
4'
pH = 8.17

WH-FS-01@6'
09/26/23
6'
pH = **8.31**
ALL OTHERS = BRL

WH-N
WH-SS-01
WH-SS-02
WH-SS-03
WH-W
WH-E
WH-FS-01
WH-S



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)
N = NAPHTHALENE (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)
POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) (mg/kg)

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

BRL= ALL VALUES BELOW REGULATORY LIMITS

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 IN **BOLD** EXCEED ECMC TABLE 915-1 REGULATORY LIMITS.

ECMC = ENERGY & CARBON MANAGEMENT COMMISSION

SOIL ANALYTICAL MAP
AMEN PC D #06-18D
CLOSURE ASSESSMENT
40.253972 / -104.594043
NE 1/4 SW 1/4 SEC.6 T3N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-32301
REMEDATION # 26921

FIGURE NO.
3

DRAWN BY:
BB



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ENVIRONMENTAL
CONSULTING, LLC
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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
AMEN PC D #06-18D
CLOSURE ASSESSMENT
40.253972 / -104.594043
NE¼ SW¼ SEC.6 T3N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-32301
REMEDIATION # 26921

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	PID Reading (ppm-v)	Lab Submission (Y/N)
WH-FS-01 @ 6' (40.253972 / -104.594058)	09/26/23	6	2.2	Y
WH-SS-01 @ 5' (40.253992 / -104.594082)	09/26/23	5	0.8	N
WH-SS-02 @ 5' (40.253983 / -104.594030)	09/26/23	5	0.5	N
WH-SS-03 @ 5' (40.253960 / -104.594042)	09/26/23	5	1.2	N
WH-SS-04 @ 5' (40.253964 / -104.594077)	09/26/23	5	0.9	N
Background-01 @ 4' (40.254046 / -104.594040)	09/26/23	4	0.3	Y
(Y/N) = Yes or No ppm-v = parts per million by volume PID = Photoionization Detector				



TABLE 2
SOIL ANALYTICAL RESULTS SUMMARY
AMEN PC D #06-18D
CLOSURE ASSESSMENT
40.253972 / -104.594043
NE¼ SW¼ SEC.6 T3N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-32301
REMEDIATION # 26921

Sample Location (Latitude / Longitude)					WH-FS-01 @ 6'	Background-01 @ 4'
Sample Date					9/26/2023	9/26/2023
Sample Depth					6'	4'
PID Reading (ppm-v)					2.2	0.3
Regulatory Limits						
Chemical of Concern	Units	ECMC Table 915-1 RSSLs	ECMC Table 915-1 GSSLs	Local Clean-Up Level		
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
Naphthalene	mg/kg	2	0.0038	--	<0.00380	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 AROMATIC HYDROCARBONS						
1-Methyl-naphthalene	mg/kg	18	0.006	--	<0.00201	NA
2-Methyl-naphthalene	mg/kg	24	0.019	--	<0.00201	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
Pyrene	mg/kg	180	1.3	--	<0.00067	NA
SOIL SUITABILITY (Inorganics)						
Boron	mg/L	2	--	--	<0.0992	NA
pH	standard unit	6-8.3	--	--	8.31	8.17
Sodium Adsorption Ratio (SAR)	--	<6	--	--	1.73	NA
Specific Conductance (EC)	mmhos/cm	<4	--	--	0.380	NA
ECMC = Energy & Carbon Management Commission mg/kg = milligrams per kilogram mmhos/cm = millimhos per centimeter PID = Photoionization Detector ppm-v = parts per million by volume mg/L = milligrams per liter SAR = Sodium Adsorption Ratio 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 ECMC Table 915-1 Regulatory Limits.						
		NA - Not Analyzed	VOCs - Volatile Organic Compounds			
		RSSLs = Residential Soil Screening Levels				
		GSSLs = Protection of Groundwater Soil Screening Levels				
		TPH-GRO = Total Petroleum Hydrocarbons - Gasoline Range Organics				
		TPH-DRO = Total Petroleum Hydrocarbons - Diesel Range Organics				
		TPH-RRO = Total Petroleum Hydrocarbons - Residual Range Organics				



ATTACHMENT A

Photo Log

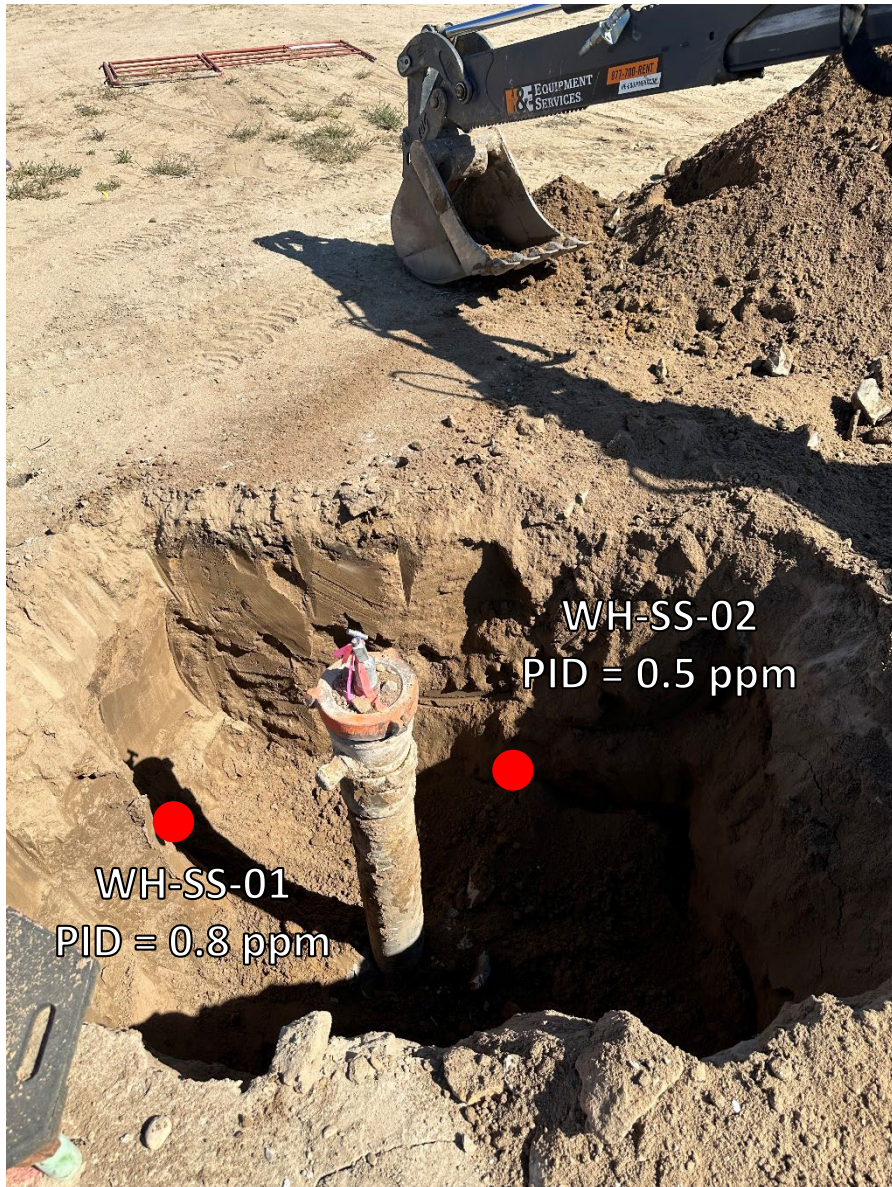
Amen PC D #06-18D
API # 05-123-32301
Remediation # 26921

Closure Assessment

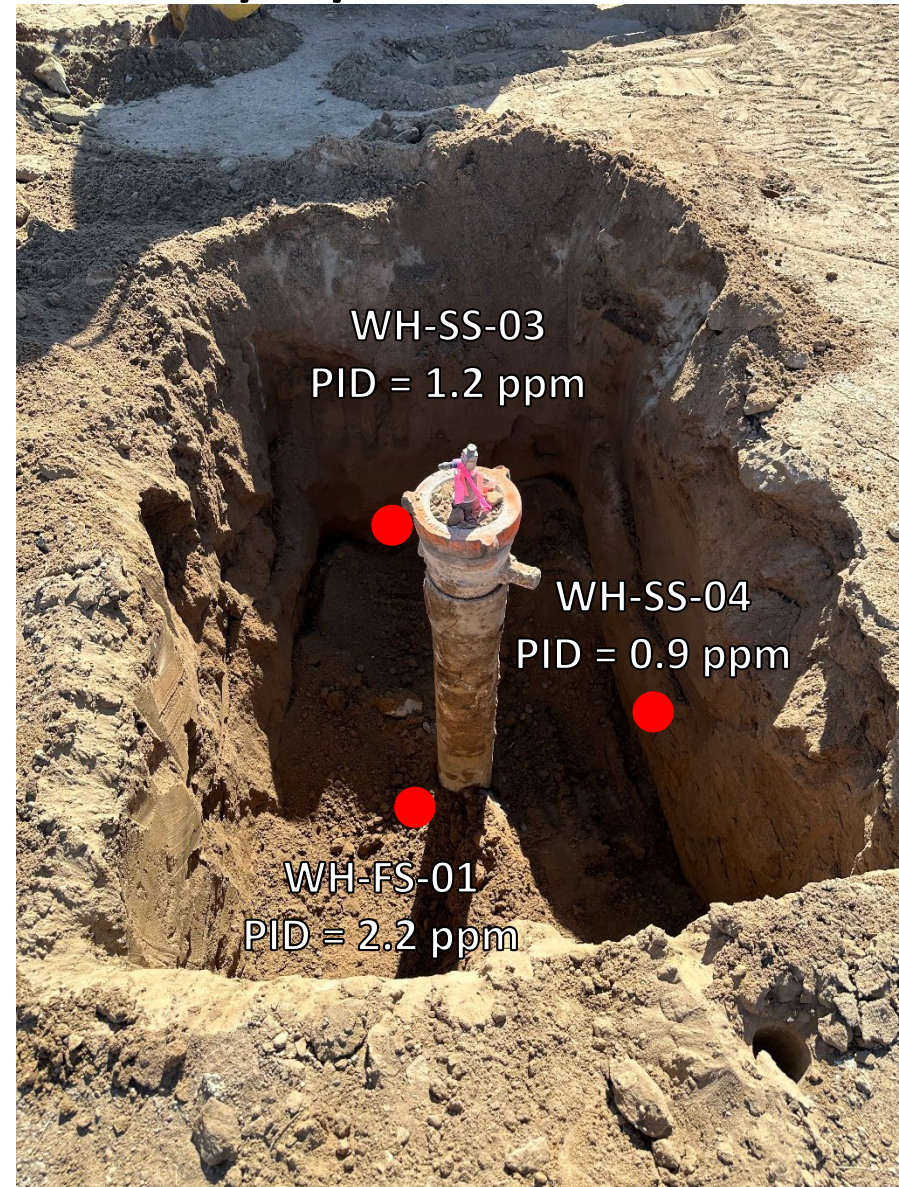
September 2023



Wellhead Excavation – 09/26/23



Looking east
No petroleum hydrocarbon staining or odor observed



Looking south
No petroleum hydrocarbon staining or odor observed



ATTACHMENT B

Laboratory Analytical Reports



October 09, 2023

Eagle Environmental Consulting, LLC

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Amen PC D #06-18D

Project Number - [none]

Attached are your analytical results for Noble - Amen PC D #06-18D received by Origins Laboratory, Inc. September 26, 2023. This project is associated with Origins project number Y309650-01.

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, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Amen PC D #06-18D

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-FS-01@6'	Y309650-01	Soil	September 26, 2023 14:30	09/26/2023 15:52

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, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Amen PC D #06-18D

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4809050

Client: Eagle

Client Project ID: Amen PC D #06-18D

Checklist Completed by: JST/JS

Shipped Via: Hub

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

Date/time completed: 9/27/12

Airbill #: N/A

Matrix(s) Received: (Check all that apply): ☒ Soil/Solid

☐ Water

☐ Other:

Cooler Number/Temperature: 1.6 °C

1 °C

1 °C

(Describe)

Thermometer ID: T004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	no sample time
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)(pH < 2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH > 10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any): <u>Time sampled added per call from Brooklyn on 9/27/12</u>				

⁽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: JST (Project Manager)

9-28-23
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, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Amen PC D #06-18D

WH-FS-01@6'

9/26/2023 2:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y309650-01 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.0992	mg/L	1	B3J0211	10/02/2023	10/03/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3I2730	09/27/2023	10/02/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	95.7 %	50-150			"	"	"	
------------------------	--------	--------	--	--	---	---	---	--

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3I2741	09/27/2023	09/30/2023	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

Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Amen PC D #06-18D

WH-FS-01@6'

9/26/2023 2:30:00PM

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

Origins Laboratory, Inc.
Y309650-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	102 %		70-130			B31274 1	09/27/2023	09/30/2023	
Surrogate: Toluene-d8	97.0 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	90.4 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	0.938		0.499	meq/L	10	[CALC]	09/29/2023	10/02/2023	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	1.33		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L707994	10/02/2023	10/03/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
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	"	"	"	"	"	

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, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Amen PC D #06-18D

WH-FS-01@6'

9/26/2023 2:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y309650-01 (Soil)

PAH by 8270D SIM

Fluoranthene	ND	0.000394	0.00067	mg/Kg	1	L707994	10/02/2023	10/03/2023
Fluorene	ND	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	48.3 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	53.5 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	43.4 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.31	pH Units	1	B3I2917	09/29/2023	10/01/2023
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SAR by 20B Saturated Paste

SAR	1.73	0.0100	SAR	1	B3I2908	09/29/2023	10/02/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.380	0.00500	mmhos/cm	1	B3I2917	09/29/2023	10/01/2023
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Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Amen PC D #06-18D

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 B3I2730 - EPA 3550B										
Blank (B3I2730-BLK1)					Prepared: 09/27/2023 Analyzed: 10/02/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	23		"	24.9		94.2	50-150			

Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Amen PC D #06-18D

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 B3I2730 - EPA 3550B

LCS (B3I2730-BS1)

Prepared: 09/27/2023 Analyzed: 10/02/2023

Diesel (C10-C28)	916	50.0	mg/kg	1000		91.6	70-130			
Residual Range Organics (C28-C40)	970	200	"	1000		97.0	70-130			
Surrogate: o-Terphenyl	54		"	49.8		108	50-150			

Origins Laboratory, Inc.



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Jordan A. Bynon, Project Manager

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Amen PC D #06-18D

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 B3I2730 - EPA 3550B

Matrix Spike (B3I2730-MS1)		Source: Y309641-01			Prepared: 09/27/2023 Analyzed: 10/02/2023					
Diesel (C10-C28)	934	50.0	mg/kg	1000	ND	93.4	70-130			
Residual Range Organics (C28-C40)	985	200	"	1000	ND	98.5	70-130			
Surrogate: o-Terphenyl	54		"	49.8		109	50-150			

Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Amen PC D #06-18D

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 B3I2730 - EPA 3550B										
Matrix Spike Dup (B3I2730-MSD1)		Source: Y309641-01			Prepared: 09/27/2023 Analyzed: 10/02/2023					
Diesel (C10-C28)	896	50.0	mg/kg	1000	ND	89.6	70-130	4.15	35	
Residual Range Organics (C28-C40)	948	200	"	1000	ND	94.8	70-130	3.77	35	
Surrogate: o-Terphenyl	53		"	49.8		106	50-150			

Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Amen PC D #06-18D

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 B3I2741 - EPA 5030 (soil)										
Blank (B3I2741-BLK1)					Prepared: 09/27/2023 Analyzed: 09/28/2023					
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		99.3	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		92.6	70-130			

Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Amen PC D #06-18D

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 B3I2741 - EPA 5030 (soil)										
LCS (B3I2741-BS1)					Prepared: 09/27/2023 Analyzed: 09/28/2023					
1,2,4-Trimethylbenzene	0.0916	0.00200	mg/kg	0.100		91.6	70-130			
1,3,5-Trimethylbenzene	0.0917	0.00200	"	0.100		91.7	70-130			
Benzene	0.0882	0.00200	"	0.100		88.2	70-130			
Ethylbenzene	0.0864	0.00200	"	0.100		86.4	70-130			
Naphthalene	0.0864	0.00380	"	0.100		86.4	70-130			
Toluene	0.0873	0.00200	"	0.100		87.3	70-130			
o-Xylene	0.0865	0.00200	"	0.100		86.5	70-130			
m,p-Xylene	0.176	0.00400	"	0.200		87.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		96.7	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		92.5	70-130			

Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Amen PC D #06-18D

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 B3I2741 - EPA 5030 (soil)										
Matrix Spike (B3I2741-MS1)		Source: Y309594-01			Prepared: 09/27/2023 Analyzed: 09/28/2023					
1,2,4-Trimethylbenzene	0.0862	0.00200	mg/kg	0.100	ND	86.2	70-130			
1,3,5-Trimethylbenzene	0.0865	0.00200	"	0.100	ND	86.5	70-130			
Benzene	0.0867	0.00200	"	0.100	ND	86.7	70-130			
Ethylbenzene	0.0818	0.00200	"	0.100	ND	81.8	70-130			
Naphthalene	0.0752	0.00380	"	0.100	ND	75.2	70-130			
Toluene	0.0873	0.00200	"	0.100	ND	87.3	70-130			
o-Xylene	0.0814	0.00200	"	0.100	ND	81.4	70-130			
m,p-Xylene	0.168	0.00400	"	0.200	ND	84.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		100	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		94.4	70-130			

Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Amen PC D #06-18D

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 B3I2741 - EPA 5030 (soil)										
Matrix Spike Dup (B3I2741-MSD1)		Source: Y309594-01			Prepared: 09/27/2023 Analyzed: 09/28/2023					
1,2,4-Trimethylbenzene	0.0843	0.00200	mg/kg	0.100	ND	84.3	70-130	2.16	20	
1,3,5-Trimethylbenzene	0.0842	0.00200	"	0.100	ND	84.2	70-130	2.62	20	
Benzene	0.0856	0.00200	"	0.100	ND	85.6	70-130	1.28	20	
Ethylbenzene	0.0798	0.00200	"	0.100	ND	79.8	70-130	2.48	20	
Naphthalene	0.0781	0.00380	"	0.100	ND	78.1	70-130	3.84	20	
Toluene	0.0855	0.00200	"	0.100	ND	85.5	70-130	2.04	20	
o-Xylene	0.0797	0.00200	"	0.100	ND	79.7	70-130	2.11	20	
m,p-Xylene	0.162	0.00400	"	0.200	ND	80.9	70-130	3.95	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		101	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		93.6	70-130			

Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Amen PC D #06-18D

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 B3I2908 - Saturated Paste Metals

Blank (B3I2908-BLK1)

Prepared: 09/29/2023 Analyzed: 10/02/2023

SAR	ND	0.0100	SAR
Calcium PPM	ND	10.0	mg/L
Magnesium PPM	ND	10.0	"
Sodium PPM	ND	10.0	"

Duplicate (B3I2908-DUP1)

Source: Y309603-01

Prepared: 09/29/2023 Analyzed: 10/04/2023

SAR	ND	0.0100	SAR	15.7	200
Calcium PPM	428	100	mg/L	323	28.1 50
Magnesium PPM	899	100	"	816	9.57 50
Sodium PPM	2380	100	"	2330	2.06 50

Batch B3J0211 - DTPA Sorbitol Preparation

Blank (B3J0211-BLK1)

Prepared: 10/02/2023 Analyzed: 10/03/2023

Boron	ND	0.100	mg/L
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Duplicate (B3J0211-DUP1)

Source: Y309633-01

Prepared: 10/02/2023 Analyzed: 10/03/2023

Boron	0.524	0.100	mg/L	0.547	4.35 50
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Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Amen PC D #06-18D

Saturated Paste - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3I2917 - Saturated Paste pH/EC										
Blank (B3I2917-BLK1)					Prepared: 09/29/2023 Analyzed: 10/01/2023					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
Duplicate (B3I2917-DUP1)					Source: Y309603-01 Prepared: 09/29/2023 Analyzed: 10/01/2023					
pH	7.76		pH Units		7.85			1.15	25	
Specific Conductance (EC)	12.5	0.00500	mmhos/cm		11.9			5.54	25	

Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Amen PC D #06-18D

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 L707994 - 3550B

MSD (L 84181-MSD-L707994)		Source: 84181			Prepared: 10/02/2023 Analyzed: 10/03/2023					
Benzo(k)fluoranthene	0.0726	0.00067	mg/Kg	0.163	<0.000437	44.5	30-130	9.2	30	
Chrysene	0.091	0.00067	"	0.163	<0.000624	55.8	30-130	9.4	30	
Dibenz(a,h)anthracene	0.121	0.00067	"	0.163	<0.000614	74.2	30-130	18	30	
Benzo(b)fluoranthene	0.0774	0.00067	"	0.163	<0.000585	47.4	30-130	22.8	30	
Fluorene	0.0889	0.00067	"	0.163	<0.000286	54.5	30-130	9.4	30	
Indeno(1,2,3-cd)pyrene	0.116	0.00067	"	0.163	<0.000627	71.1	30-130	20.5	30	
Fluoranthene	0.0917	0.00067	"	0.163	<0.000394	56.2	30-130	8.4	30	
Benzo(a)pyrene	0.0913	0.00067	"	0.163	<0.000468	56	30-130	10	30	
Benzo(a)anthracene	0.0912	0.00067	"	0.163	<0.000493	55.9	30-130	8.5	30	
Acenaphthene	0.0857	0.00067	"	0.163	<0.000304	52.5	30-130	9.8	30	
1-Methylnaphthalene	0.0821	0.00201	"	0.163	<0.00109	50.3	30-130	10.3	30	
2-Methylnaphthalene	0.0825	0.00201	"	0.163	<0.00194	50.6	30-130	9.7	30	
Pyrene	0.0899	0.00067	"	0.163	<0.000643	55.1	30-130	5.4	30	
Anthracene	0.0857	0.00067	"	0.163	<0.000334	52.5	30-130	11.4	30	
Surrogate: 2-Fluorobiphenyl	47		"	0.327	151	47	33-115			
Surrogate: Nitrobenzene-d5	42.5		"	0.327	139	42.5	29-110			
Surrogate: 4-Terphenyl-d14	50.7		"	0.327	164	50.7	33-122			

MS (L 84181-MS-L707994)		Source: 84181			Prepared: 10/02/2023 Analyzed: 10/03/2023					
Indeno(1,2,3-cd)pyrene	0.0944	0.00067	mg/Kg	0.167	<0.000627	56.5	30-130			
Benzo(a)pyrene	0.101	0.00067	"	0.167	<0.000468	60.4	30-130			
Pyrene	0.0949	0.00067	"	0.167	<0.000643	56.8	30-130			
Fluorene	0.0977	0.00067	"	0.167	<0.000286	58.5	30-130			
Dibenz(a,h)anthracene	0.101	0.00067	"	0.167	<0.000614	60.4	30-130			
Chrysene	0.1	0.00067	"	0.167	<0.000624	59.8	30-130			
Fluoranthene	0.0998	0.00067	"	0.167	<0.000394	59.7	30-130			
Benzo(b)fluoranthene	0.0615	0.00067	"	0.167	<0.000585	36.8	30-130			

Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Amen PC D #06-18D

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 L707994 - 3550B

MS (L 84181-MS-L707994)		Source: 84181			Prepared: 10/02/2023 Analyzed: 10/03/2023					
1-Methylnaphthalene	0.0911	0.00201	mg/Kg	0.167	<0.00109	54.5	30-130			
Benzo(a)anthracene	0.0993	0.00067	"	0.167	<0.000493	59.4	30-130			
Anthracene	0.0961	0.00067	"	0.167	<0.000334	57.5	30-130			
Acenaphthene	0.0946	0.00067	"	0.167	<0.000304	56.6	30-130			
2-Methylnaphthalene	0.091	0.00201	"	0.167	<0.00194	54.4	30-130			
Benzo(k)fluoranthene	0.0662	0.00067	"	0.167	<0.000437	39.6	30-130			
Surrogate: Nitrobenzene-d5	42		"	0.333	139	42	29-110			
Surrogate: 4-Terphenyl-d14	50.4		"	0.333	164	50.4	33-122			
Surrogate: 2-Fluorobiphenyl	47.7		"	0.333	151	47.7	33-115			

LCS (LCS-L707994)		Prepared: 10/02/2023 Analyzed: 10/03/2023								
Dibenz(a,h)anthracene	0.127	0.00067	mg/Kg	0.167		76	30-130			
1-Methylnaphthalene	0.103	0.00201	"	0.167		61.6	30-130			
Indeno(1,2,3-cd)pyrene	0.122	0.00067	"	0.167		73	30-130			
Fluoranthene	0.113	0.00067	"	0.167		67.6	30-130			
Pyrene	0.11	0.00067	"	0.167		65.8	30-130			
Chrysene	0.117	0.00067	"	0.167		70	30-130			
Benzo(k)fluoranthene	0.081	0.00067	"	0.167		48.5	30-130			
2-Methylnaphthalene	0.103	0.00201	"	0.167		61.6	30-130			
Benzo(a)pyrene	0.116	0.00067	"	0.167		69.4	30-130			
Benzo(a)anthracene	0.114	0.00067	"	0.167		68.2	30-130			
Anthracene	0.109	0.00067	"	0.167		65.2	30-130			
Acenaphthene	0.107	0.00067	"	0.167		64	30-130			
Benzo(b)fluoranthene	0.0896	0.00067	"	0.167		53.6	30-130			
Fluorene	0.11	0.00067	"	0.167		65.8	30-130			
Surrogate: 2-Fluorobiphenyl	56.7		"	0.333		56.7	33-115			
Surrogate: Nitrobenzene-d5	50.7		"	0.333		50.7	29-110			

Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Amen PC D #06-18D

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
Batch L707994 - 3550B										
LCS (LCS-L707994)					Prepared: 10/02/2023 Analyzed: 10/03/2023					
Surrogate: 4-Terphenyl-d14	60.3		mg/Kg	0.333		60.3	33-122			
LRB (LRB-L707994)					Prepared: 10/02/2023 Analyzed: 10/03/2023					
Benzo(k)fluoranthene	ND	0.00067	mg/Kg				-			
Chrysene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00201	"				-			
1-Methylnaphthalene	ND	0.00201	"				-			
Pyrene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	48.6		"	0.333		48.6	29-110			
Surrogate: 4-Terphenyl-d14	56.7		"	0.333		56.7	33-122			
Surrogate: 2-Fluorobiphenyl	51.9		"	0.333		51.9	33-115			

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Amen PC D #06-18D

Notes and Definitions

U Sample is Non-Detect.

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.

Jordan A. Bynon, Project Manager



October 24, 2023

Eagle Environmental Consulting, LLC

Andrew Newberry

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Amen PC D #06-18D

Project Number - [none]

Attached are your analytical results for Noble - Amen PC D #06-18D received by Origins Laboratory, Inc. October 12, 2023. This project is associated with Origins project number Y310391-01.

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, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Amen PC D #06-18D

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Background-01@4'	Y310391-01	Soil	September 26, 2023 13:50	10/12/2023 16:35

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.

Andrew Newberry
Project Number: [none]
Project: Noble - Amen PC D #06-18D

[illegible]

Origins Laboratory, Inc.

Byron

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, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Amen PC D #06-18D

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 1310391

Client: Eagle

Client Project ID: Amen PC D #06-18D

Checklist Completed by: EHS/JG

Shipped Via: HO

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

Date/time completed: 10/12/23

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 4.2 °C / °C / °C (Describe)

Thermometer ID: 7004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity) / (pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				

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

Reviewed by (Project Manager) [Signature]

Date/Time Reviewed 10/18/23

Origins Laboratory, Inc.

[Signature]

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

Andrew Newberry
Project Number: [none]
Project: Noble - Amen PC D #06-18D

Background-01@4'

9/26/2023 1:50:00PM

Analyte	Result	Reporting	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.
Y310391-01 (Soil)

pH in Soil by 9045D

pH	8.17	pH Units	1	B3J1315	ACN	10/13/2023	10/14/2023
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Andrew Newberry
Project Number: [none]
Project: Noble - Amen PC D #06-18D

Saturated Paste - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3J1315 - Saturated Paste pH/EC

Duplicate (B3J1315-DUP1)		Source: Y310365-01			Prepared: 10/13/2023 Analyzed: 10/14/2023					
pH	5.17		pH Units		5.10			1.36	25	

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Jordan A. Bynon, Project Manager

Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Andrew Newberry

Project Number: [none]

Project: Noble - Amen PC D #06-18D

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.

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