

Wellhead Closure Checklist

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

Additional attachments (optional):		Pit Closure <input type="checkbox"/>		Tank Battery Closure <input type="checkbox"/>		Flowline Closure <input type="checkbox"/>		Partially Buried Vault Closure <input type="checkbox"/>	
Site Name & COGCC Facility Number: UNI UPR #C25-6		Date: 05/25/23					Remediation Project #: 22716		
Associated Wells: 05-123-14782		Age of Site: Years					Number of Photos Attached: 1		
Location: (GPS coordinates of wellhead or southeastern most wellhead for multiple)						40.285480 / -104.501600			Estimated Facility Size (acres):
General Condition of Site: (General observations regarding housekeeping, corrosion, waste management, etc.) Good Condition									
USCS Soil Type: Clayey SAND				Estimated Depth to Groundwater: Approx. 20-30'					
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	05-123-14782								
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/Staining								
PID Readings	0.6	1.0	1.4	0.8	1.6				
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: 1.6				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: N/A				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:									

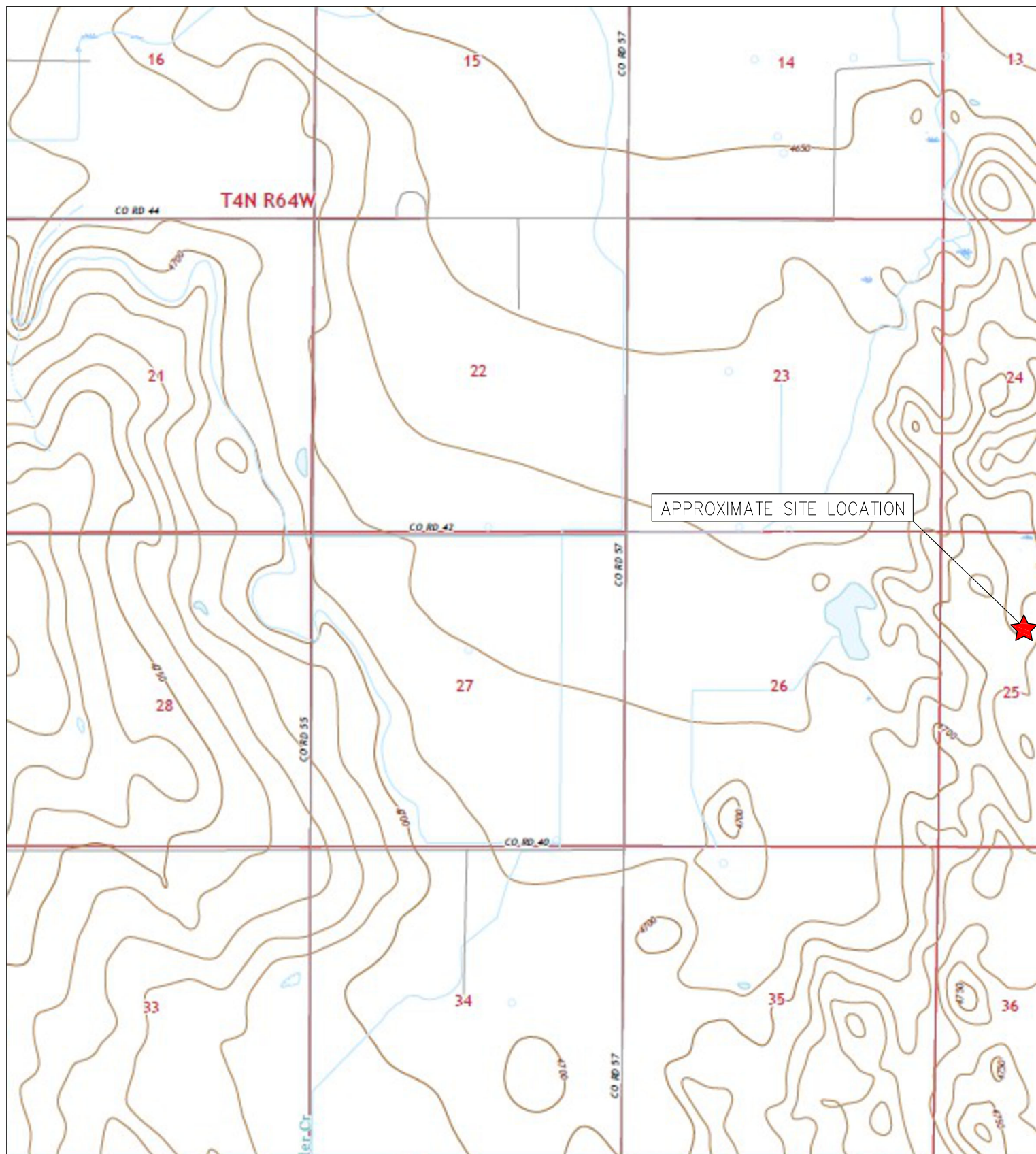


FIGURES

Figure 1: Topographic Site Location Map

Figure 2: Aerial Site Location Map

Figure 3: Soil Analytical Map



TOPOGRAPHIC SITE LOCATION MAP
 UNI UPR #C25-6
 CLOSURE ASSESSMENT
 40.285480 / -104.501600
 SE¼ NW¼ SEC.25 T4N R64W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-14782
 REMEDIATION # 22716

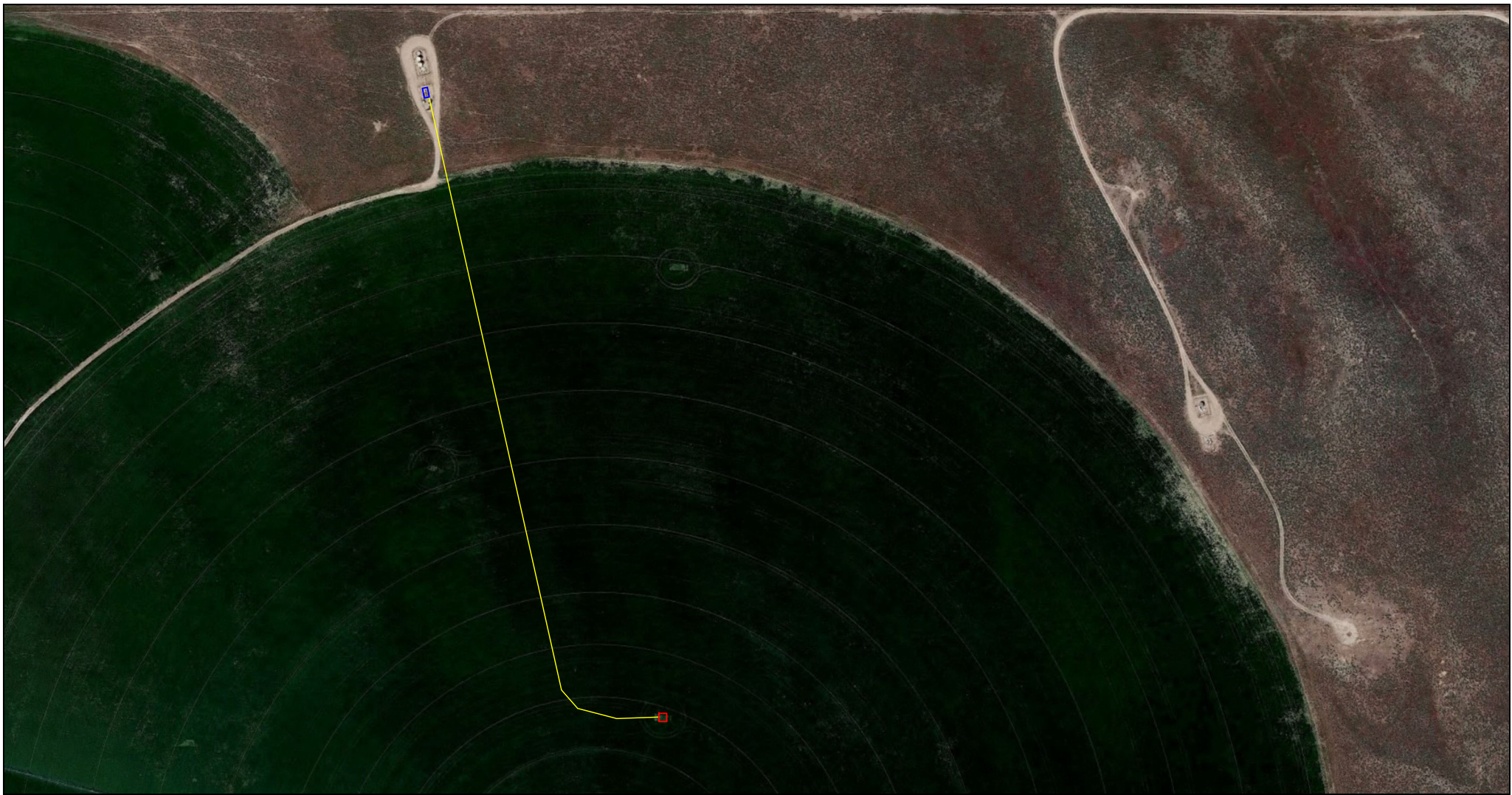


EAGLE
 ENVIRONMENTAL
 CONSULTING, LLC

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

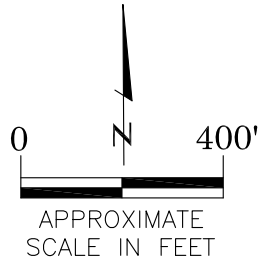
SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP
 VALLEY VIEW SCHOOL, CO QUADRANGLE 2022

FIGURE NO. 1



LEGEND

- FORMER UNI UPR #C25-6 WELLHEAD (PLUGGED AND ABANDONED)
- ASSOCIATED SEPARATOR
- APPROXIMATE FLOWLINE LOCATION



AERIAL SITE LOCATION MAP
 UNI UPR #C25-6
 CLOSURE ASSESSMENT
 40.285480 / -104.501600
 SE¼ NW¼ SEC.25 T4N R64W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-14782
 REMEDIATION # 22716

FIGURE NO.
2

DRAWN BY:
JF



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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
 UNI UPR #C25-6
 CLOSURE ASSESSMENT
 40.285480 / -104.501600
 SE¼ NW¼ SEC.25 T4N R64W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-14782
 REMEDIATION # 22716

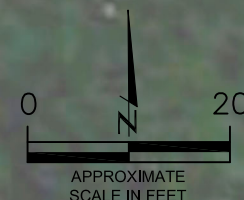
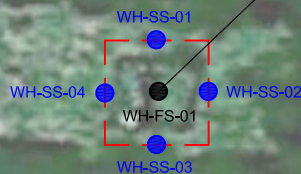
FIGURE NO.
3

DRAWN BY:
KM



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WH-FS-01@6'
 05/25/23
 6'
 (BRL)





TABLES

Table 1: Photoionization Detector Reading Summary

Table 2: Soil Analytical Results Summary

TABLE 1
PHOTOIONIZATION DETECTOR READING SUMMARY
UNI UPR #C25-6
CLOSURE ASSESSMENT
40.285480 / -104.501600
SE¼ NW¼ SEC.25 T4N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-14782
REMEDIATION # 22716

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	PID Reading (ppm-v)	Lab Submission (Y/N)
WH-SS-01 @ 5' (40.285485 / -104.501599)	05/25/23	5	0.6	N
WH-SS-02 @ 5' (40.285467 / -104.501581)	05/25/23	5	1.0	N
WH-SS-03 @ 5' (40.285452 / -104.501603)	05/25/23	5	1.4	N
WH-SS-04 @ 5' (40.285471 / -104.501621)	05/25/23	5	0.8	N
WH-FS-01 @ 6' (40.285471 / -104.501601)	05/25/23	6	1.6	Y
(Y/N) = Yes or No ppm-v = parts per million by volume PID = Photoionization Detector				



TABLE 2
 SOIL ANALYTICAL RESULTS SUMMARY
 UNI UPR #C25-6
 CLOSURE ASSESSMENT
 40.285480 / -104.501600
 SE¼ NW¼ SEC.25 T4N R64W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-14782
 REMEDIATION # 22716

Sample Location		WH-FS-01 @ 6'		
(Latitude / Longitude)		(40.285471 / -104.501601)		
Sample Date		5/25/2023		
Sample Depth		6'		
PID Reading (ppm-v)		1.6		
Regulatory Limits				
Chemical of Concern	Units	ECMC Table 915-1 RSSLs	ECMC Table 915-1 GSSLs	
VOCS				
Benzene	mg/kg	1.2	0.0026	<0.00200
Toluene	mg/kg	490	0.69	<0.00200
Ethylbenzene	mg/kg	5.8	0.78	<0.00200
Total Xylenes	mg/kg	58	9.9	<0.00200
Naphthalene	mg/kg	2	0.0038	<0.00380
1,2,4-Trimethylbenzene	mg/kg	30	0.0081	<0.00200
1,3,5-Trimethylbenzene	mg/kg	27	0.0087	<0.00200
TOTAL PETROLEUM HYDROCARBONS				
TPH-GRO	mg/kg	500	--	<0.200
TPH-DRO	mg/kg	500	--	<25.0
TPH-RRO	mg/kg	500	--	<100
POLYCYCLIC AROMATIC HYDROCARBONS				
1-Methyl-naphthalene	mg/kg	18	0.006	<0.00201
2-Methyl-naphthalene	mg/kg	24	0.019	<0.00201
Acenaphthene	mg/kg	360	0.55	<0.00067
Anthracene	mg/kg	1800	5.8	<0.00067
Benzo(a)-anthracene	mg/kg	1.1	0.011	<0.00067
Benzo(a)-pyrene	mg/kg	0.11	0.24	<0.00067
Benzo(b)-fluoranthene	mg/kg	1.1	0.3	<0.00067
Benzo(k)-fluoranthene	mg/kg	11	2.9	<0.00067
Chrysene	mg/kg	110	9	<0.00067
Dibenzo(a,h)-anthracene	mg/kg	0.11	0.096	<0.00067
Fluoranthene	mg/kg	240	8.9	<0.00067
Fluorene	mg/kg	240	0.54	<0.00067
Indeno(1,2,3-cd)-pyrene	mg/kg	1.1	0.98	<0.00067
Pyrene	mg/kg	180	1.3	<0.00067
SOIL SUITABILITY (Inorganics)				
Boron	mg/L	2	--	0.326
pH	standard unit	6-8.3	--	7.58
Sodium Adsorption Ratio (SAR)	--	<6	--	2.30
Specific Conductance (EC)	mmhos/cm	<4	--	0.436
ECMC = Energy & Carbon Management Commission		VOCS - Volatile Organic Compounds		
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 ECMC Table 915-1 Regulatory Limits.				



ATTACHMENT A

Photo Log

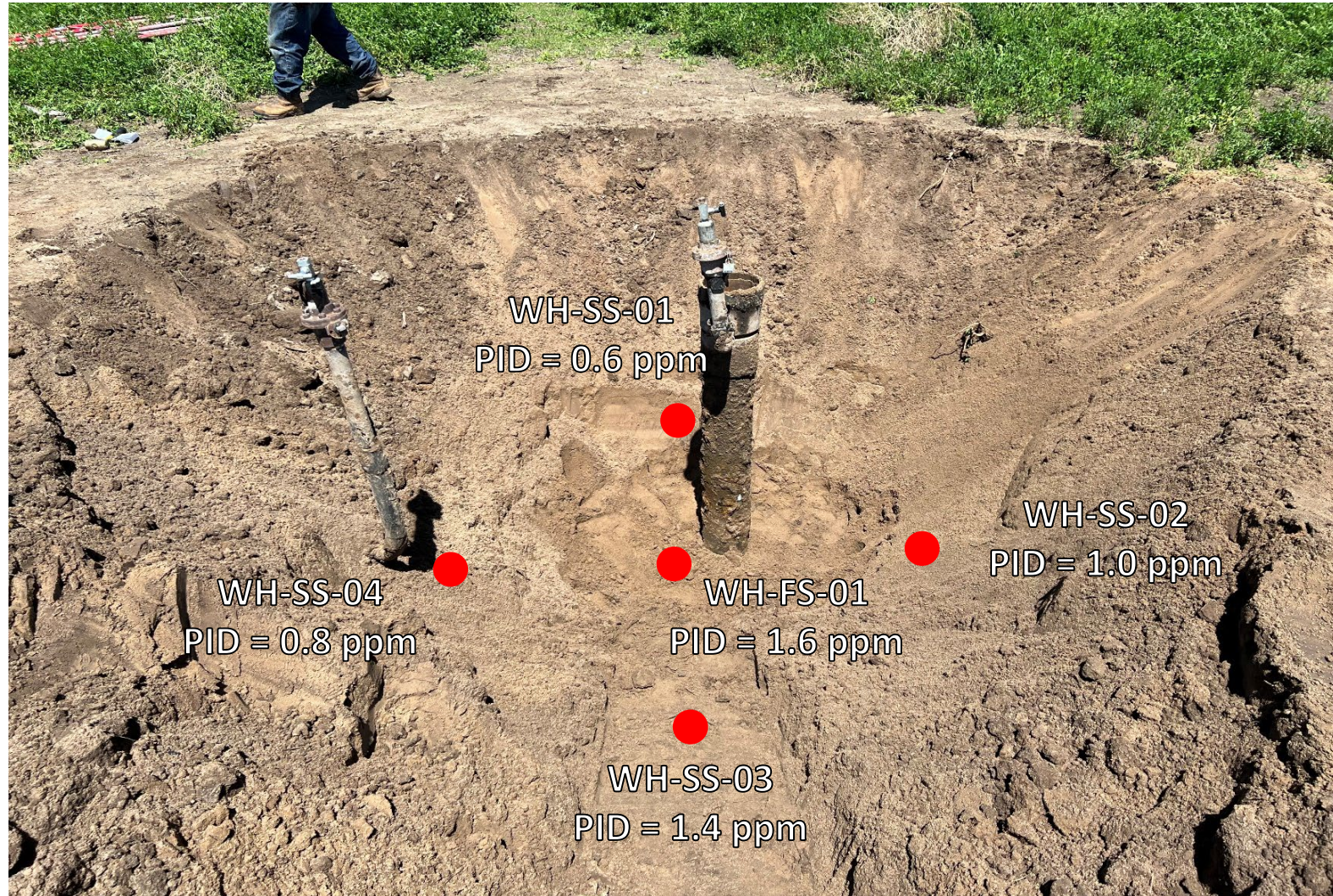
UNI UPR #C25-6
API # 05-123-14782
Remediation # 22716

Closure Assessment

May 2023



Wellhead Excavation – 05/25/23



Looking north

No petroleum hydrocarbon staining or odor observed



ATTACHMENT B

Laboratory Analytical Report



June 07, 2023

Eagle Environmental Consulting, LLC

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - UNI UPR #C25-6

Project Number - [none]

Attached are your analytical results for Noble - UNI UPR #C25-6 received by Origins Laboratory, Inc. May 25, 2023. This project is associated with Origins project number Y305701-01.

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



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

Martin C Eckert III
Project Number: [none]
Project: Noble - UNI UPR #C25-6

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-FS-01@6'	Y305701-01	Soil	May 25, 2023 11:34	05/25/2023 15:24

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 - UNI UPR #C25-6

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4305701

Client: Eagle Environ

Client Project ID: UNI UPR C #25-6

Checklist Completed by: TJH/EHS

Shipped Via: HD

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

Date/time completed: 5/20/23

Airbill #: na

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

Cooler Number/Temperature: 1 / 4.0 °C / _____ °C / _____ °C (Describe) _____ °C

Thermometer ID: T004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	/			
Is there ice present (document if blue ice is used)	/			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		/		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		/		
Were all samples received intact ⁽¹⁾ ?	/			
Was adequate sample volume provided ⁽¹⁾ ?	/			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		/		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	/			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	/			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	/			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	/			
For volatiles in water — is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			/	
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)			/	
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 5/20/23

Origins Laboratory, Inc.

[Signature]

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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - UNI UPR #C25-6

WH-FS-01@6'
5/25/2023 11:34:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305701-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.326		0.0990	mg/L	1	B3E3004	05/30/2023	05/31/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3E3019	05/30/2023	06/02/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	72.8 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B3E2638	05/26/2023	05/28/2023	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 - UNI UPR #C25-6

WH-FS-01@6'

5/25/2023 11:34:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305701-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	119 %		70-130			B3E26 38	05/26/2023	05/28/2023	
Surrogate: Toluene-d8	95.3 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	105 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	0.998		0.499	meq/L	10	[CALC]	05/30/2023	05/31/2023	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	2.00		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L685136	06/01/2023	06/02/2023	
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.



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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 - UNI UPR #C25-6

WH-FS-01@6'

5/25/2023 11:34:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y305701-01 (Soil)

PAH by 8270D SIM

Fluoranthene	ND	0.000394	0.00067	mg/Kg	1	L685136	06/01/2023	06/02/2023	
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	59.5 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	56.2 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	45.9 %		29-110			"	"	"	

pH in Soil by 9045D

pH	7.58			pH Units	1	B3E3008	05/30/2023	05/31/2023	
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SAR by 20B Saturated Paste

SAR	2.30			SAR	1	B3E3006	05/30/2023	05/31/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.436		0.00500	mmhos/cm	1	B3E3008	05/30/2023	05/31/2023	
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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 - UNI UPR #C25-6

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 B3E2638 - EPA 5030 (soil)

Blank (B3E2638-BLK1)

Prepared: 05/26/2023 Analyzed: 05/28/2023

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	99.0		70-130			
Surrogate: Toluene-d8	0.13		"	0.125	102		70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125	110		70-130			

Origins Laboratory, Inc.



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 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - UNI UPR #C25-6

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 B3E2638 - EPA 5030 (soil)

LCS (B3E2638-BS1)

Prepared: 05/26/2023 Analyzed: 05/28/2023

1,2,4-Trimethylbenzene	0.0907	0.00200	mg/kg	0.100		90.7	70-130			
1,3,5-Trimethylbenzene	0.0977	0.00200	"	0.100		97.7	70-130			
Benzene	0.0941	0.00200	"	0.100		94.1	70-130			
Ethylbenzene	0.0918	0.00200	"	0.100		91.8	70-130			
Naphthalene	0.0821	0.00380	"	0.100		82.1	70-130			
Toluene	0.0982	0.00200	"	0.100		98.2	70-130			
o-Xylene	0.0915	0.00200	"	0.100		91.5	70-130			
m,p-Xylene	0.186	0.00400	"	0.200		93.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		107	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		88.4	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 - UNI UPR #C25-6

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 B3E2638 - EPA 5030 (soil)

Matrix Spike (B3E2638-MS1)	Source: Y305698-01			Prepared: 05/26/2023 Analyzed: 05/28/2023						
1,2,4-Trimethylbenzene	0.0904	0.00200	mg/kg	0.100	ND	90.4	70-130			
1,3,5-Trimethylbenzene	0.0991	0.00200	"	0.100	ND	99.1	70-130			
Benzene	0.0902	0.00200	"	0.100	ND	90.2	70-130			
Ethylbenzene	0.0939	0.00200	"	0.100	ND	93.9	70-130			
Naphthalene	0.0779	0.00380	"	0.100	ND	77.9	70-130			
Toluene	0.100	0.00200	"	0.100	ND	100	70-130			
o-Xylene	0.0903	0.00200	"	0.100	ND	90.3	70-130			
m,p-Xylene	0.191	0.00400	"	0.200	ND	95.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		94.3	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		104	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		85.5	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 - UNI UPR #C25-6

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 B3E2638 - EPA 5030 (soil)

Matrix Spike Dup (B3E2638-MSD1)	Source: Y305698-01			Prepared: 05/26/2023 Analyzed: 05/28/2023						
1,2,4-Trimethylbenzene	0.0837	0.00200	mg/kg	0.100	ND	83.7	70-130	7.72	20	
1,3,5-Trimethylbenzene	0.0908	0.00200	"	0.100	ND	90.8	70-130	8.80	20	
Benzene	0.0898	0.00200	"	0.100	ND	89.8	70-130	0.356	20	
Ethylbenzene	0.0844	0.00200	"	0.100	ND	84.4	70-130	10.7	20	
Naphthalene	0.0916	0.00380	"	0.100	ND	91.6	70-130	16.1	20	
Toluene	0.0943	0.00200	"	0.100	ND	94.3	70-130	6.29	20	
o-Xylene	0.0844	0.00200	"	0.100	ND	84.4	70-130	6.69	20	
m,p-Xylene	0.170	0.00400	"	0.200	ND	85.2	70-130	11.6	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		106	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		104	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		84.7	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
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 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - UNI UPR #C25-6

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 B3E3019 - EPA 3550B										
Blank (B3E3019-BLK1)										
					Prepared: 05/30/2023 Analyzed: 06/02/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	19		"	24.9		75.6	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 - UNI UPR #C25-6

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 B3E3019 - EPA 3550B

LCS (B3E3019-BS1)

Prepared: 05/30/2023 Analyzed: 06/02/2023

Diesel (C10-C28)	849	50.0	mg/kg	1000		84.9	70-130			
Residual Range Organics (C28-C40)	858	200	"	1000		85.8	70-130			
Surrogate: o-Terphenyl	43		"	49.8		86.0	50-150			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
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 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - UNI UPR #C25-6

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 B3E3019 - EPA 3550B

Matrix Spike (B3E3019-MS1)	Source: Y305697-01			Prepared: 05/30/2023 Analyzed: 06/02/2023						
Diesel (C10-C28)	887	50.0	mg/kg	1000	ND	88.7	70-130			
Residual Range Organics (C28-C40)	909	200	"	1000	ND	90.9	70-130			
Surrogate: o-Terphenyl	41		"	49.8		82.6	50-150			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
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 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - UNI UPR #C25-6

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 B3E3019 - EPA 3550B										
Matrix Spike Dup (B3E3019-MSD1)					Source: Y305697-01					Prepared: 05/30/2023 Analyzed: 06/02/2023
Diesel (C10-C28)	862	50.0	mg/kg	1000	ND	86.2	70-130	2.83	35	
Residual Range Organics (C28-C40)	899	200	"	1000	ND	89.9	70-130	1.17	35	
Surrogate: o-Terphenyl	44		"	49.8		87.5	50-150			

Origins Laboratory, Inc.



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 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - UNI UPR #C25-6

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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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 B3E3004 - DTPA Sorbitol Preparation

Blank (B3E3004-BLK1)

Prepared: 05/30/2023 Analyzed: 05/31/2023

Boron ND 0.100 mg/L

Duplicate (B3E3004-DUP1)

Source: Y305701-01

Prepared: 05/30/2023 Analyzed: 05/31/2023

Boron 0.349 0.100 mg/L 0.326 6.83 50

Batch B3E3006 - Saturated Paste Metals

Blank (B3E3006-BLK1)

Prepared: 05/30/2023 Analyzed: 05/31/2023

SAR 0.00 SAR

Calcium PPM ND 10.0 mg/L

Magnesium PPM ND 10.0 "

Sodium PPM ND 10.0 "

Duplicate (B3E3006-DUP1)

Source: Y305701-01

Prepared: 05/30/2023 Analyzed: 05/31/2023

Calcium PPM 18.0 10.0 mg/L 20.0 10.5 50

SAR 0.00 SAR 2.30 200 200

Magnesium PPM 5.62 10.0 mg/L 6.27 10.9 50

Sodium PPM 41.6 10.0 " 46.1 10.1 50

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 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - UNI UPR #C25-6

Saturated Paste - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3E3008 - Saturated Paste pH/EC										
Blank (B3E3008-BLK1)					Prepared: 05/30/2023 Analyzed: 05/31/2023					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
Duplicate (B3E3008-DUP1)					Source: Y305701-01 Prepared: 05/30/2023 Analyzed: 05/31/2023					
Specific Conductance (EC)	0.400	0.00500	mmhos/cm		0.436			8.54	25	
pH	7.62		pH Units		7.58			0.526	25	

Origins Laboratory, Inc.



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 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - UNI UPR #C25-6

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 L685136 - 3550B

MSD (L 81480-MSD-L685136)		Source: 81480			Prepared: 06/01/2023 Analyzed: 06/02/2023					
Fluorene	0.126	0.00067	mg/Kg	0.162	0.00208	76.4	30-130	17.2	30	
Pyrene	0.112	0.00067	"	0.162	<0.000643	69.1	30-130	15.7	30	
1-Methylnaphthalene	0.105	0.00201	"	0.162	<0.00109	64.8	30-130	13.8	30	
Indeno(1,2,3-cd)pyrene	0.105	0.00067	"	0.162	<0.000627	64.8	30-130	8.7	30	
Fluoranthene	0.113	0.00067	"	0.162	<0.000394	69.7	30-130	13.4	30	
Dibenz(a,h)anthracene	0.126	0.00067	"	0.162	<0.000614	77.7	30-130	10	30	
2-Methylnaphthalene	0.108	0.00201	"	0.162	<0.00194	66.6	30-130	14.3	30	
Acenaphthene	0.11	0.00067	"	0.162	0.000693	67.4	30-130	15.5	30	
Anthracene	0.126	0.00067	"	0.162	<0.000334	77.7	30-130	17.2	30	
Benzo(a)anthracene	0.124	0.00067	"	0.162	<0.000493	76.5	30-130	14.7	30	
Benzo(a)pyrene	0.128	0.00067	"	0.162	<0.000468	79	30-130	16.9	30	
Benzo(b)fluoranthene	0.0815	0.00067	"	0.162	<0.000585	50.3	30-130	8.4	30	
Benzo(k)fluoranthene	0.087	0.00067	"	0.162	<0.000437	53.7	30-130	12.4	30	
Chrysene	0.123	0.00067	"	0.162	<0.000624	75.9	30-130	14.8	30	
Surrogate: 2-Fluorobiphenyl	65.2		"	0.325	160	65.2	33-115			
Surrogate: 4-Terphenyl-d14	72.6		"	0.325	196	72.6	33-122			
Surrogate: Nitrobenzene-d5	55.6		"	0.325	138	55.6	29-110			

MS (L 81480-MS-L685136)		Source: 81480			Prepared: 06/01/2023 Analyzed: 06/02/2023					
Chrysene	0.106	0.00067	mg/Kg	0.167	<0.000624	63.4	30-130			
Fluoranthene	0.0988	0.00067	"	0.167	<0.000394	59.1	30-130			
Benzo(b)fluoranthene	0.0749	0.00067	"	0.167	<0.000585	44.8	30-130			
Indeno(1,2,3-cd)pyrene	0.0962	0.00067	"	0.167	<0.000627	57.6	30-130			
Benzo(k)fluoranthene	0.0768	0.00067	"	0.167	<0.000437	45.9	30-130			
Pyrene	0.0956	0.00067	"	0.167	<0.000643	57.2	30-130			
Fluorene	0.106	0.00067	"	0.167	0.00208	62.2	30-130			
1-Methylnaphthalene	0.0914	0.00201	"	0.167	<0.00109	54.7	30-130			

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 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - UNI UPR #C25-6

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 L685136 - 3550B

MS (L 81480-MS-L685136)	Source: 81480			Prepared: 06/01/2023 Analyzed: 06/02/2023						
Benzo(a)anthracene	0.107	0.00067	mg/Kg	0.167	<0.000493	64	30-130			
Anthracene	0.106	0.00067	"	0.167	<0.000334	63.4	30-130			
Acenaphthene	0.0941	0.00067	"	0.167	0.000693	55.9	30-130			
2-Methylnaphthalene	0.0935	0.00201	"	0.167	<0.00194	55.9	30-130			
Benzo(a)pyrene	0.108	0.00067	"	0.167	<0.000468	64.6	30-130			
Dibenz(a,h)anthracene	0.114	0.00067	"	0.167	<0.000614	68.2	30-130			
Surrogate: Nitrobenzene-d5	45.6		"	0.333	138	45.6	29-110			
Surrogate: 4-Terphenyl-d14	60.3		"	0.333	196	60.3	33-122			
Surrogate: 2-Fluorobiphenyl	53.1		"	0.333	160	53.1	33-115			

LCS (LCS-L685136)				Prepared: 06/01/2023 Analyzed: 06/02/2023						
Benzo(k)fluoranthene	0.0867	0.00067	mg/Kg	0.167		51.9	30-130			
Chrysene	0.115	0.00067	"	0.167		68.8	30-130			
Fluoranthene	0.107	0.00067	"	0.167		64	30-130			
Indeno(1,2,3-cd)pyrene	0.122	0.00067	"	0.167		73	30-130			
Benzo(b)fluoranthene	0.0871	0.00067	"	0.167		52.1	30-130			
Pyrene	0.105	0.00067	"	0.167		62.8	30-130			
Dibenz(a,h)anthracene	0.148	0.00067	"	0.167		88.6	30-130			
1-Methylnaphthalene	0.101	0.00201	"	0.167		60.4	30-130			
Benzo(a)anthracene	0.116	0.00067	"	0.167		69.4	30-130			
Anthracene	0.117	0.00067	"	0.167		70	30-130			
Acenaphthene	0.103	0.00067	"	0.167		61.6	30-130			
2-Methylnaphthalene	0.106	0.00201	"	0.167		63.4	30-130			
Fluorene	0.115	0.00067	"	0.167		68.8	30-130			
Benzo(a)pyrene	0.119	0.00067	"	0.167		71.2	30-130			
Surrogate: Nitrobenzene-d5	54.9		"	0.333		54.9	29-110			
Surrogate: 4-Terphenyl-d14	68.4		"	0.333		68.4	33-122			

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Martin C Eckert III
 Project Number: [none]
 Project: Noble - UNI UPR #C25-6

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 L685136 - 3550B										
LCS (LCS-L685136)					Prepared: 06/01/2023 Analyzed: 06/02/2023					
Surrogate: 2-Fluorobiphenyl	67.5		mg/Kg	0.333		67.5	33-115			
LRB (LRB-L685136)					Prepared: 06/01/2023 Analyzed: 06/02/2023					
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	"				-			
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	0.00201	"				-			
1-Methylnaphthalene	ND	0.00201	"				-			
Pyrene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	46.8		"	0.333		46.8	29-110			
Surrogate: 4-Terphenyl-d14	58.2		"	0.333		58.2	33-122			
Surrogate: 2-Fluorobiphenyl	54		"	0.333		54	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 - UNI UPR #C25-6

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.

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

Origins Laboratory, Inc.



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Jordan A. Bynon, Project Manager