

# 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: <b>Jepsen #1</b>		Date: <b>06/06/23</b>					Remediation Project #: <b>27049</b>		
Associated Wells: <b>05-123-10192</b>		Age of Site: <b>Years</b>					Number of Photos Attached: <b>1</b>		
Location: (GPS coordinates of wellhead or southeastern most wellhead for multiple) <b>40.250054 / -104.633833</b>							Estimated Facility Size (acres): <b>N/A</b>		
General Condition of Site: (General observations regarding housekeeping, corrosion, waste management, etc.)  <b>Good Condition</b>									
USCS Soil Type: <b>Well Graded SAND</b>				Estimated Depth to Groundwater: <b>Approx. 10-15'</b>					
Hydrocarbon Impacted Soils / Spills: (Note estimated size and if impact appears to be surficial or extends to an unknown depth)  <b>None observed.</b>									
Salt Crusted Soils or Impacted Vegetation: (Note estimated size and if impact appears to be surficial or extends to an unknown depth)  <b>None observed.</b>									
Wellhead(s)									
Well API	<b>05-123-10192</b>								
Age	<b>Years</b>								
Condition of surface around wellhead	<b>Good - Per Crew</b>								
PID Readings	<b>N/A - Excavated Upon Arrival</b>								
Condition of subsurface (staining present)	<b>Good - No odor/no staining</b>								
PID Readings	<b>9.1</b>	<b>3.5</b>	<b>8.2</b>	<b>7.7</b>	<b>9.5</b>				
Sample taken? Location/Sample ID#	<b>WH-SS-01</b>	<b>WH-SS-02</b>	<b>WH-SS-03</b>	<b>WH-SS-04</b>	<b>WH-FS-01</b>				
Photo Number(s)	<b>See photolog</b>								
Other observations regarding wellheads: <b>Well casing cut/capped following assessment.</b>									
Summary									
Was impacted soil identified? <input checked="" type="checkbox"/> <b>No</b> Yes - less than 10 cubic yards      Yes - more than 10 cubic yards									
Total number of samples field screened: <b>5</b>				Total number of samples collected: <b>5</b>					
Highest PID Reading: <b>9.5</b>				Total number of samples submitted to lab for analysis: <b>1</b>					
If more than 10 cubic yards of impacted soil were observed:									
Vertical extent:				Estimated spill volume:					
Lateral extent:				Volume of soil removed: <b>N/A</b>					
Is additional investigation required?									
Was groundwater encountered during the investigation? <input checked="" type="checkbox"/> <b>No</b> 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:									

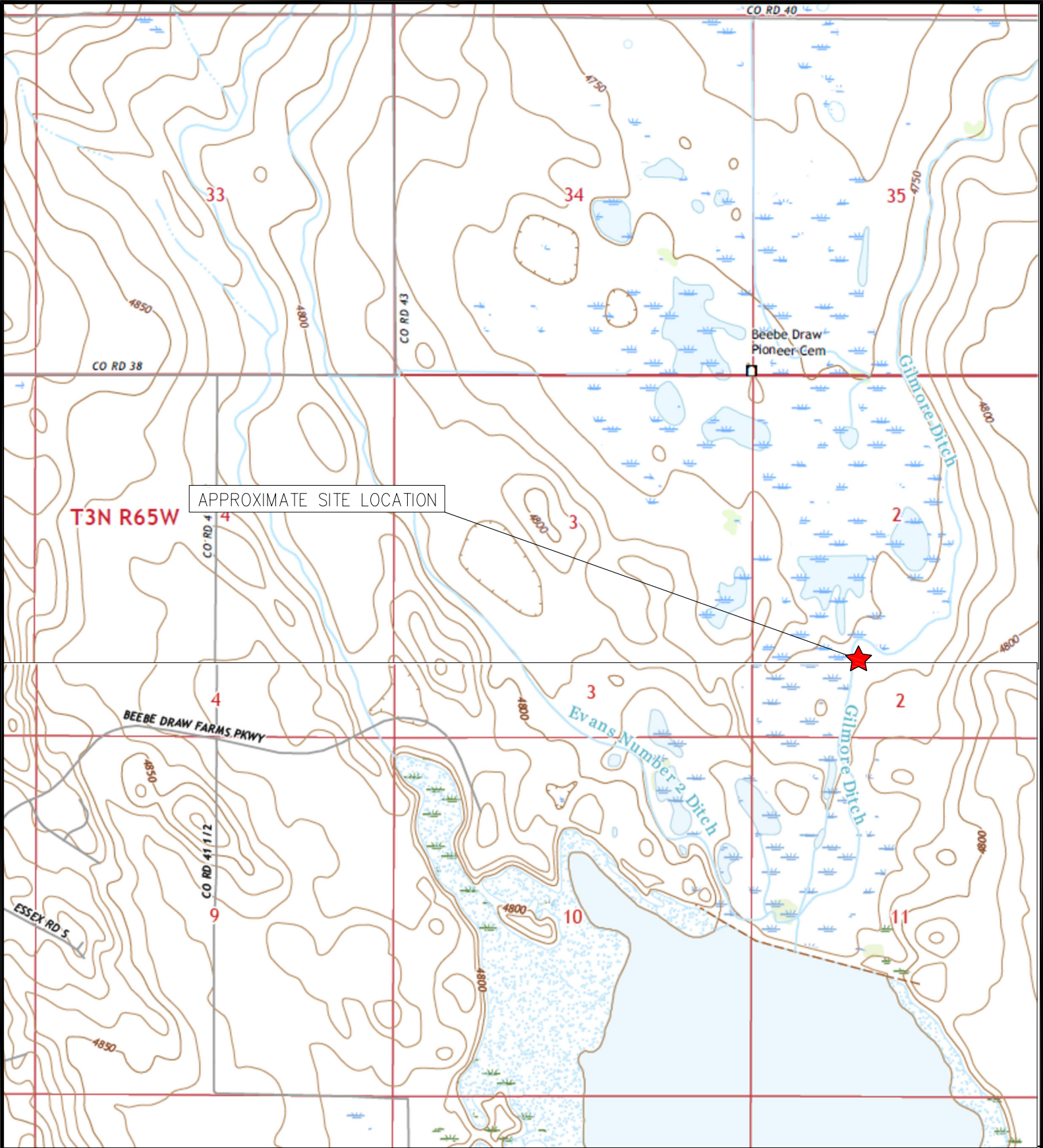


## **FIGURES**

**Figure 1: Topographic Site Location Map**

**Figure 2: Aerial Site Location Map**

**Figure 3: Soil Analytical Map**



APPROXIMATE SITE LOCATION

T3N R65W

**EAGLE**  
 ENVIRONMENTAL  
 CONSULTING, LLC

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

TOPOGRAPHIC SITE LOCATION MAP  
 JEPSEN #1  
 CLOSURE ASSESSMENT  
 40.250054 / -104.633833  
 SE¼ SW¼ SEC.2 T3N R65W 6PM  
 WELD COUNTY, COLORADO  
 API # 05-123-10192  
 REMEDIATION # 27049



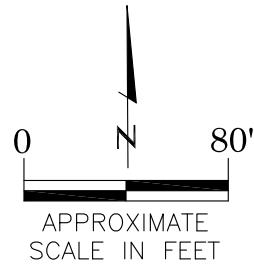
SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP  
 MILTON RESERVIOR & LA SALLE, CO  
 QUADRANGLE 2022

FIGURE NO. 1



LEGEND

- FORMER JEPSSEN #1 WELLHEAD (PLUGGED AND ABANDONED)
- ASSOCIATED SEPARATOR
- APPROXIMATE FLOWLINE LOCATION



AERIAL SITE LOCATION MAP  
 JEPSSEN #1  
 CLOSURE ASSESSMENT  
 40.250054 / -104.633833  
 SE¼ SW¼ SEC.2 T3N R65W 6PM  
 WELD COUNTY, COLORADO  
 API # 05-123-10192  
 REMEDIATION # 27049

FIGURE NO.  
2

DRAWN BY:  
EL



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**LEGEND**

- - - WELLHEAD ASSESSMENT BOUNDARIES
- APPROXIMATE LOCATION OF SOIL SAMPLES FIELD SCREENED, ONLY, WITH PHOTOIONIZATION DETECTOR
- 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 = 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/CONCENTRATIONS EXCEEDING REGULATORY LIMITS, ONLY, DISPLAYED.

LABORATORY RERUNS WERE COMPLETED AS APPLICABLE ON SAMPLES WITH SOIL SUITABILITY VALUES OUTSIDE ECMC TABLE 915-1 REGULATORY RANGE. RESULTS OF THE RERUNS ARE PRESENTED IN PARENTHESES.

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

ECMC = ENERGY & CARBON MANAGEMENT COMMISSION

SOIL ANALYTICAL MAP  
 JEPSEN #1  
 CLOSURE ASSESSMENT  
 40.250054 / -104.633833  
 SE¼ SW¼ SEC.2 T3N R65W 6PM  
 WELD COUNTY, COLORADO  
 API # 05-123-10192  
 REMEDIATION # 27049

FIGURE NO.  
3

DRAWN BY:  
JF

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## **TABLES**

**Table 1: Photoionization Detector Reading Summary**

**Table 2: Soil Analytical Results Summary**

**TABLE 1**  
**PHOTOIONIZATION DETECTOR READING SUMMARY**  
**JEPSEN #1**  
**CLOSURE ASSESSMENT**  
**40.250054 / -104.633833**  
**SE<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub> SEC.2 T3N R65W 6PM**  
**WELD COUNTY, COLORADO**  
**API # 05-123-10192**  
**REMEDIATION # 27049**

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	PID Reading (ppm-v)	Lab Submission (Y/N)
WH-SS-01 @ 5' (40.250071 / -104.633863)	06/06/23	5	9.1	N
WH-SS-02 @ 5' (40.250054 / -104.633840)	06/06/23	5	3.5	N
WH-SS-03 @ 5' (40.250037 / -104.633863)	06/06/23	5	8.2	N
WH-SS-04 @ 5' (40.250051 / -104.633885)	06/06/23	5	7.7	N
WH-FS-01 @ 6' (40.250052 / -104.633860)	06/06/23	6	9.5	Y
Background-01 @ 2' (40.250092 / -104.633922)	06/06/23	2	5.2	Y
(Y/N) = Yes or No ppm-v = parts per million by volume PID = Photoionization Detector				



TABLE 2  
SOIL ANALYTICAL RESULTS SUMMARY  
JEPSEN #1  
CLOSURE ASSESSMENT  
40.250054 / -104.633833  
SE¼ SW¼ SEC.2 T3N R65W 6PM  
WELD COUNTY, COLORADO  
API # 05-123-10192  
REMEDIAION # 27049

Sample Location		WH-FS-01 @ 6'		Background-01 @ 2'	
(Latitude / Longitude)		(40.250052 / -104.633860)		(40.250092 / -104.633922)	
Sample Date		6/6/2023		6/6/2023	
Sample Depth		6'		2'	
PID Reading (ppm-v)		9.5		5.2	
Regulatory Limits					
Chemical of Concern	Units	ECMC Table 915-1 RSSLs	ECMC Table 915-1 GSSLs		
<b>VOCs</b>					
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
<b>TOTAL PETROLEUM HYDROCARBONS</b>					
TPH-GRO	mg/kg	500	--	<0.200	NA
TPH-DRO	mg/kg	500	--	<25.0	NA
TPH-RRO	mg/kg	500	--	<100	NA
<b>POLYCYCLIC AROMATIC HYDROCARBONS</b>					
1-Methyl-naphthalene	mg/kg	18	0.006	<0.002	NA
2-Methyl-naphthalene	mg/kg	24	0.019	<0.002	NA
Acenaphthene	mg/kg	360	0.55	<0.020	NA
Anthracene	mg/kg	1800	5.8	<0.020	NA
Benzo(a)-anthracene	mg/kg	1.1	0.011	<0.005	NA
Benzo(a)-pyrene	mg/kg	0.11	0.24	<0.020	NA
Benzo(b)-fluoranthene	mg/kg	1.1	0.3	<0.020	NA
Benzo(k)-fluoranthene	mg/kg	11	2.9	<0.020	NA
Chrysene	mg/kg	110	9	<0.020	NA
Dibenzo(a,h)-anthracene	mg/kg	0.11	0.096	<0.020	NA
Fluoranthene	mg/kg	240	8.9	<0.020	NA
Fluorene	mg/kg	240	0.54	<0.020	NA
Indeno(1,2,3-cd)-pyrene	mg/kg	1.1	0.98	<0.020	NA
Pyrene	mg/kg	180	1.3	<0.020	NA
<b>SOIL SUITABILITY (Inorganics)</b>					
Boron	mg/L	2	--	0.186	NA
pH	standard unit	6-8.3	--	<b>8.39</b> (8.20/8.14)	<b>8.31</b>
Sodium Adsorption Ratio (SAR)	--	<6	--	4.04	NA
Specific Conductance (EC)	mmhos/cm	<4	--	0.425	NA
ECMC = Energy & Carbon Management Commission    NA - Not Analyzed    VOCs - Volatile Organic Compounds mg/kg = milligrams per kilogram mmhos/cm = millimhos per centimeter    RSSLs = Residential Soil Screening Levels PID = Photoionization Detector    GSSLs = Protection of Groundwater Soil Screening Levels ppm-v = parts per million by volume    TPH-GRO = Total Petroleum Hydrocarbons - Gasoline Range Organics mg/L = milligrams per liter    TPH-DRO = Total Petroleum Hydrocarbons - Diesel Range Organics SAR = Sodium Adsorption Ratio    TPH-RRO = Total Petroleum Hydrocarbons - Residual Range Organics Laboratory reruns were completed as applicable on samples with Soil Suitability values outside ECMC Table 915-1 Regulatory Range. Results of the reruns are presented in parentheses. 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 <b>BOLD</b> exceed ECMC Table 915-1 Regulatory Limits.					





## **ATTACHMENT A**

### **Photo Log**

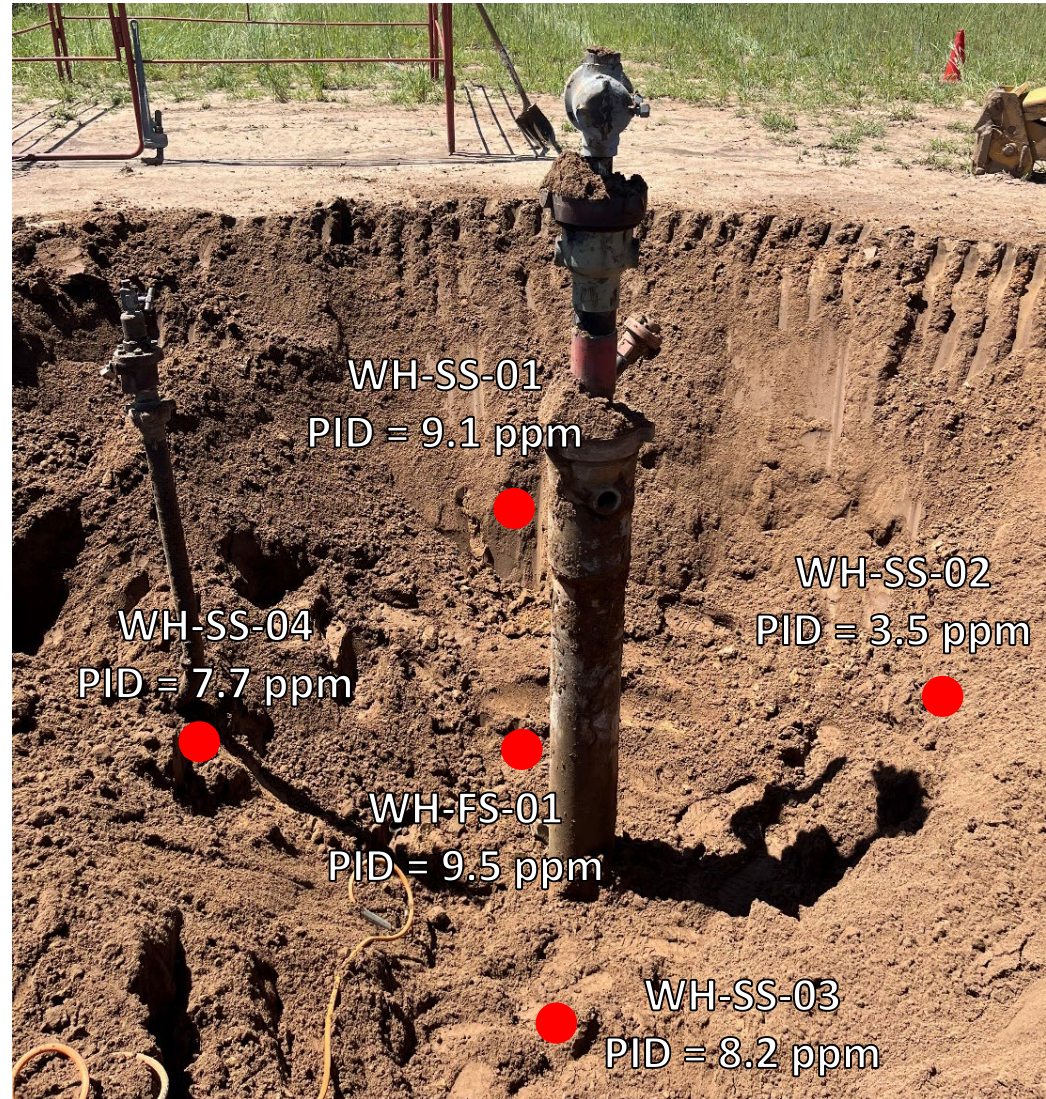
Jepson #1  
API # 05-123-10192  
Remediation # 27049

Closure Assessment

June 2023



# Wellhead Excavation – 06/06/23



Looking north

No petroleum hydrocarbon staining or odor observed



## **ATTACHMENT B**

### **Laboratory Analytical Report**



June 21, 2023

**Eagle Environmental Consulting, LLC**

**Martin C Eckert III**

**8000 W 44th Ave**

**Wheat Ridge CO 80033**

**Project Name - Noble - Jepsen 1**

**Project Number - [none]**

Attached are your analytical results for Noble - Jepsen 1 received by Origins Laboratory, Inc. June 06, 2023. This project is associated with Origins project number Y306120-01.

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 - Jepsen 1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-FS-01@6'	Y306120-01	Soil	June 6, 2023 8:48	06/06/2023 14:45

A pH rerun was requested per Grace's email request on 06/14/2023. No errors were found in the original data, all three results are reported. JAB

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 - Jepsen 1

Origins Laboratory

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

**Sample Receipt Checklist**

Origins Work Order: Bowero

Client: Eagle

Client Project ID: Jepsen1

Checklist Completed by: JSH/KAS

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

Date/time completed: 6/16/23

Airbill #: na

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

Cooler Number/Temperature: 1, 4.5 °C / \_\_\_\_\_ °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 <sup>(1)</sup> ?	/			
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 <sup>(1)</sup> ?	/			
Was adequate sample volume provided <sup>(1)</sup> ?	/			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?		/		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	/			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	/			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	/			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	/			
For volatiles in water – is there headspace (> ¼ inch bubble) present? <b>If yes, contact client and note in narrative.</b>			/	
Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (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 <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH >10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)			/	
Additional Comments (if any):				

<sup>(1)</sup>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 6/18/23

Origins Laboratory, Inc.

[Signature]

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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 - Jepsen 1

**WH-FS-01@6'**

**6/6/2023 8:48:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y306120-01 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.186	0.0999	mg/L	1	B3F0912	KAP	06/09/2023	06/12/2023	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3F0701	ZZZ	06/07/2023	06/07/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	83.8 %	50-150			"	"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3F0724	ZZZ	06/07/2023	06/07/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Naphthalene	ND	0.00380	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4	99.4 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	100 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %	70-130			"	"	"	"	

Origins Laboratory, Inc.



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 Wheat Ridge CO 80033

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Jepsen 1

**WH-FS-01@6'**

**6/6/2023 8:48:00AM**

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

**Origins Laboratory, Inc.**  
**Y306120-01 (Soil)**

**Metals by Saturated Paste by EPA 6010**

Calcium	0.712	0.499	meq/L	10	[CALC]	KAP	06/07/2023	06/08/2023	
Magnesium	ND	0.823	"	"	"	KAP	"	"	
Sodium	2.63	0.435	"	"	"	KAP	"	"	

**PAH by EPA 8270E**

1-Methylnaphthalene	ND	0.002	mg/kg	1	B3F0719	agile	06/07/2023	06/07/2023	U
2-Methylnaphthalene	ND	0.002	"	"	"	agile	"	"	U
Acenaphthene	ND	0.020	"	"	"	agile	"	"	U
Anthracene	ND	0.020	"	"	"	agile	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	agile	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	agile	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Chrysene	ND	0.020	"	"	"	agile	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	agile	"	"	U
Fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Fluorene	ND	0.020	"	"	"	agile	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	agile	"	"	U
Pyrene	ND	0.020	"	"	"	agile	"	"	U

Origins Laboratory, Inc.



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 8000 W 44th Ave  
 Wheat Ridge CO 80033

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Jepsen 1

**WH-FS-01@6'**

**6/6/2023 8:48:00AM**

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

**Origins Laboratory, Inc.**  
**Y306120-01 (Soil)**

**PAH by EPA 8270E**

Surrogate: Nitrobenzene-d5	109 %	60-130			B3F07 19		06/07/2023	06/07/2023	
Surrogate: 2-Fluorobiphenyl	99.6 %	60-130			"		"	"	
Surrogate: Terphenyl-d14	102 %	60-130			"		"	"	

**pH in Soil by 9045D**

pH	8.39		pH Units	1	B3F0714	HJD	06/07/2023	06/08/2023	
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**SAR by 20B Saturated Paste**

SAR	4.04		SAR	1	B3F0713	KAP	06/07/2023	06/08/2023	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.425	0.00500	mmhos/cm	1	B3F0714	HJD	06/07/2023	06/08/2023	
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Origins Laboratory, Inc.



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 Wheat Ridge CO 80033

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Jepsen 1

**WH-FS-01@6'**

**6/6/2023 8:48:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y306120-01RE1 (Soil)**

**pH in Soil by 9045D**

pH	8.20		pH Units	1	B3F1614	ACN	06/07/2023	06/17/2023	
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Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Jepsen 1

**WH-FS-01@6'**

**6/6/2023 8:48:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y306120-01RE2 (Soil)**

**pH in Soil by 9045D**

pH	8.14		pH Units	1	B3F1614	ACN	06/07/2023	06/17/2023	
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 Project Number: [none]  
 Project: Noble - Jepsen 1

**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
<b>Batch B3F0701 - EPA 3550B</b>										
<b>Blank (B3F0701-BLK1)</b>										
					Prepared: 06/07/2023 Analyzed: 06/07/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	23		"	24.9		91.1	50-150			

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 Project Number: [none]  
 Project: Noble - Jepsen 1

**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 B3F0701 - EPA 3550B**

**LCS (B3F0701-BS1)**

Prepared: 06/07/2023 Analyzed: 06/07/2023

Diesel (C10-C28)	941	50.0	mg/kg	1000		94.1	70-130			
Residual Range Organics (C28-C40)	934	200	"	1000		93.4	70-130			
Surrogate: o-Terphenyl	51		"	49.8		102	50-150			

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 Project Number: [none]  
 Project: Noble - Jepsen 1

**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 B3F0701 - EPA 3550B**

<b>Matrix Spike (B3F0701-MS1)</b>	<b>Source: Y306119-01</b>			<b>Prepared: 06/07/2023 Analyzed: 06/07/2023</b>						
Diesel (C10-C28)	967	50.0	mg/kg	1000	ND	96.7	70-130			
Residual Range Organics (C28-C40)	938	200	"	1000	ND	93.8	70-130			
Surrogate: o-Terphenyl	41		"	49.8		81.5	50-150			

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**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
<b>Batch B3F0701 - EPA 3550B</b>										
<b>Matrix Spike Dup (B3F0701-MSD1)</b>					<b>Source: Y306119-01</b>					Prepared: 06/07/2023 Analyzed: 06/07/2023
Diesel (C10-C28)	938	50.0	mg/kg	1000	ND	93.8	70-130	2.98	35	
Residual Range Organics (C28-C40)	914	200	"	1000	ND	91.4	70-130	2.63	35	
Surrogate: o-Terphenyl	46		"	49.8		92.8	50-150			

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**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 B3F0724 - EPA 5030 (soil)**

**Blank (B3F0724-BLK1)**

Prepared: 06/07/2023 Analyzed: 06/07/2023

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	98.9		70-130			
Surrogate: Toluene-d8	0.12		"	0.125	98.8		70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	97.6		70-130			

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 Project Number: [none]  
 Project: Noble - Jepsen 1

**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 B3F0724 - EPA 5030 (soil)**

**LCS (B3F0724-BS1)**

Prepared: 06/07/2023 Analyzed: 06/07/2023

1,2,4-Trimethylbenzene	0.108	0.00200	mg/kg	0.100		108	70-130			
1,3,5-Trimethylbenzene	0.102	0.00200	"	0.100		102	70-130			
Benzene	0.0952	0.00200	"	0.100		95.2	70-130			
Ethylbenzene	0.0906	0.00200	"	0.100		90.6	70-130			
Naphthalene	0.0929	0.00380	"	0.100		92.9	70-130			
Toluene	0.0977	0.00200	"	0.100		97.7	70-130			
o-Xylene	0.0896	0.00200	"	0.100		89.6	70-130			
m,p-Xylene	0.202	0.00400	"	0.200		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		103	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		85.8	70-130			

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 Project Number: [none]  
 Project: Noble - Jepsen 1

**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 B3F0724 - EPA 5030 (soil)

Matrix Spike (B3F0724-MS1)	Source: Y306074-02			Prepared: 06/07/2023 Analyzed: 06/07/2023						
1,2,4-Trimethylbenzene	0.105	0.00200	mg/kg	0.100	0.00768	97.0	70-130			
1,3,5-Trimethylbenzene	0.103	0.00200	"	0.100	0.00228	101	70-130			
Benzene	0.0757	0.00200	"	0.100	ND	75.7	70-130			
Ethylbenzene	0.100	0.00200	"	0.100	0.00160	98.7	70-130			
Naphthalene	0.0829	0.00380	"	0.100	0.00498	77.9	70-130			
Toluene	0.0843	0.00200	"	0.100	ND	84.3	70-130			
o-Xylene	0.0964	0.00200	"	0.100	0.00320	93.2	70-130			
m,p-Xylene	0.213	0.00400	"	0.200	0.0111	101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		86.1	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.6	70-130			

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**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 B3F0724 - EPA 5030 (soil)

Matrix Spike Dup (B3F0724-MSD1)	Source: Y306074-02			Prepared: 06/07/2023 Analyzed: 06/07/2023						
1,2,4-Trimethylbenzene	0.101	0.00200	mg/kg	0.100	0.00768	93.5	70-130	3.42	20	
1,3,5-Trimethylbenzene	0.0986	0.00200	"	0.100	0.00228	96.3	70-130	4.66	20	
Benzene	0.0764	0.00200	"	0.100	ND	76.4	70-130	0.920	20	
Ethylbenzene	0.0929	0.00200	"	0.100	0.00160	91.3	70-130	7.74	20	
Naphthalene	0.0980	0.00380	"	0.100	0.00498	93.0	70-130	16.8	20	
Toluene	0.0817	0.00200	"	0.100	ND	81.7	70-130	3.06	20	
o-Xylene	0.0932	0.00200	"	0.100	0.00320	90.0	70-130	3.33	20	
m,p-Xylene	0.197	0.00400	"	0.200	0.0111	92.9	70-130	7.84	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		94.7	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.6	70-130			

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**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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**EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B3F0719 - EPA 3580**

**Blank (B3F0719-BLK1)**

Prepared: 06/07/2023 Analyzed: 06/07/2023

1-Methylnaphthalene	ND	0.002	mg/kg							U
2-Methylnaphthalene	ND	0.002	"							U
Acenaphthene	ND	0.020	"							U
Anthracene	ND	0.020	"							U
Benzo (a) anthracene	ND	0.005	"							U
Benzo (a) pyrene	ND	0.020	"							U
Benzo (b) fluoranthene	ND	0.020	"							U
Benzo (g,h,i) perylene	ND	0.020	"							U
Benzo (k) fluoranthene	ND	0.020	"							U
Chrysene	ND	0.020	"							U
Dibenz (a,h) anthracene	ND	0.020	"							U
Fluoranthene	ND	0.020	"							U
Fluorene	ND	0.020	"							U
Indeno (1,2,3-cd) pyrene	ND	0.020	"							U
Naphthalene	ND	0.002	"							U
Phenanthrene	ND	0.020	"							U
Pyrene	ND	0.020	"							U
Surrogate: Nitrobenzene-d5	220		ug/kg	200		109	60-130			
Surrogate: 2-Fluorobiphenyl	200		"	200		98.8	60-130			
Surrogate: Terphenyl-d14	210		"	200		107	60-130			

**LCS (B3F0719-BS1)**

Prepared: 06/07/2023 Analyzed: 06/07/2023

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Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Jepsen 1

**EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B3F0719 - EPA 3580**

**LCS (B3F0719-BS1)**

Prepared: 06/07/2023 Analyzed: 06/07/2023

1-Methylnaphthalene	0.193	0.002	mg/kg	0.200		96.3	70-130			
2-Methylnaphthalene	0.192	0.002	"	0.200		96.0	70-130			
Acenaphthene	0.191	0.020	"	0.200		95.6	70-130			
Anthracene	0.192	0.020	"	0.200		95.9	70-130			
Benzo (a) anthracene	0.214	0.005	"	0.200		107	70-130			
Benzo (a) pyrene	0.205	0.020	"	0.200		103	70-130			
Benzo (b) fluoranthene	0.201	0.020	"	0.200		100	70-130			
Benzo (g,h,i) perylene	0.223	0.020	"	0.200		111	70-130			
Benzo (k) fluoranthene	0.206	0.020	"	0.200		103	70-130			
Chrysene	0.211	0.020	"	0.200		106	70-130			
Dibenz (a,h) anthracene	0.197	0.020	"	0.200		98.5	70-130			
Fluoranthene	0.196	0.020	"	0.200		97.8	70-130			
Fluorene	0.189	0.020	"	0.200		94.7	70-130			
Indeno (1,2,3-cd) pyrene	0.217	0.020	"	0.200		108	70-130			
Naphthalene	0.196	0.002	"	0.200		97.9	70-130			
Phenanthrene	0.191	0.020	"	0.200		95.7	70-130			
Pyrene	0.219	0.020	"	0.200		109	70-130			
Surrogate: Nitrobenzene-d5	220		ug/kg	200		112	60-130			
Surrogate: 2-Fluorobiphenyl	200		"	200		97.9	60-130			
Surrogate: Terphenyl-d14	200		"	200		101	60-130			

**Matrix Spike (B3F0719-MS1)**

**Source: Y306119-01**

Prepared: 06/07/2023 Analyzed: 06/07/2023

1-Methylnaphthalene	0.181	0.002	mg/kg	0.200	ND	90.7	70-130			
2-Methylnaphthalene	0.180	0.002	"	0.200	ND	89.9	70-130			
Acenaphthene	0.183	0.020	"	0.200	ND	91.7	70-130			
Anthracene	0.187	0.020	"	0.200	ND	93.7	70-130			
Benzo (a) anthracene	0.205	0.005	"	0.200	ND	103	70-130			

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Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Jepsen 1

**EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B3F0719 - EPA 3580**

<b>Matrix Spike (B3F0719-MS1)</b>		<b>Source: Y306119-01</b>			Prepared: 06/07/2023 Analyzed: 06/07/2023					
Benzo (a) pyrene	0.206	0.020	mg/kg	0.200	ND	103	70-130			
Benzo (b) fluoranthene	0.197	0.020	"	0.200	ND	98.5	70-130			
Benzo (g,h,i) perylene	0.220	0.020	"	0.200	ND	110	70-130			
Benzo (k) fluoranthene	0.199	0.020	"	0.200	ND	99.3	70-130			
Chrysene	0.204	0.020	"	0.200	ND	102	70-130			
Dibenz (a,h) anthracene	0.208	0.020	"	0.200	0.004	102	70-130			
Fluoranthene	0.191	0.020	"	0.200	ND	95.7	70-130			
Fluorene	0.189	0.020	"	0.200	ND	94.6	70-130			
Indeno (1,2,3-cd) pyrene	0.212	0.020	"	0.200	ND	106	70-130			
Naphthalene	0.187	0.002	"	0.200	0.002	92.9	70-130			
Phenanthrene	0.194	0.020	"	0.200	0.002	95.8	70-130			
Pyrene	0.200	0.020	"	0.200	ND	100	70-130			
Surrogate: Nitrobenzene-d5	220		ug/kg	200		109	60-130			
Surrogate: 2-Fluorobiphenyl	200		"	200		99.7	60-130			
Surrogate: Terphenyl-dl4	200		"	200		99.4	60-130			

<b>Matrix Spike Dup (B3F0719-MSD1)</b>		<b>Source: Y306119-01</b>			Prepared: 06/07/2023 Analyzed: 06/07/2023					
1-Methylnaphthalene	0.191	0.002	mg/kg	0.200	ND	95.4	70-130	5.06	20	
2-Methylnaphthalene	0.191	0.002	"	0.200	ND	95.6	70-130	6.15	20	
Acenaphthene	0.189	0.020	"	0.200	ND	94.5	70-130	3.07	20	
Anthracene	0.196	0.020	"	0.200	ND	97.8	70-130	4.25	20	
Benzo (a) anthracene	0.211	0.005	"	0.200	ND	106	70-130	2.70	20	
Benzo (a) pyrene	0.194	0.020	"	0.200	ND	97.1	70-130	5.91	20	
Benzo (b) fluoranthene	0.198	0.020	"	0.200	ND	99.0	70-130	0.497	20	
Benzo (g,h,i) perylene	0.212	0.020	"	0.200	ND	106	70-130	3.61	20	
Benzo (k) fluoranthene	0.199	0.020	"	0.200	ND	99.3	70-130	0.0133	20	
Chrysene	0.223	0.020	"	0.200	ND	111	70-130	8.89	20	

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 Project Number: [none]  
 Project: Noble - Jepsen 1

**EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B3F0719 - EPA 3580

Matrix Spike Dup (B3F0719-MSD1)	Source: Y306119-01			Prepared: 06/07/2023 Analyzed: 06/07/2023						
Dibenz (a,h) anthracene	0.192	0.020	mg/kg	0.200	0.004	93.7	70-130	8.44	20	
Fluoranthene	0.196	0.020	"	0.200	ND	97.8	70-130	2.18	20	
Fluorene	0.191	0.020	"	0.200	ND	95.7	70-130	1.14	20	
Indeno (1,2,3-cd) pyrene	0.210	0.020	"	0.200	ND	105	70-130	0.718	20	
Naphthalene	0.191	0.002	"	0.200	0.002	94.5	70-130	1.70	20	
Phenanthrene	0.197	0.020	"	0.200	0.002	97.3	70-130	1.49	20	
Pyrene	0.220	0.020	"	0.200	ND	110	70-130	9.51	20	
Surrogate: Nitrobenzene-d5	220		ug/kg	200		112	60-130			
Surrogate: 2-Fluorobiphenyl	200		"	200		97.5	60-130			
Surrogate: Terphenyl-dl4	220		"	200		112	60-130			

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 Wheat Ridge CO 80033

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Jepsen 1

**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 B3F0713 - Saturated Paste Metals**

**Blank (B3F0713-BLK1)**

Prepared: 06/07/2023 Analyzed: 06/08/2023

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

**Duplicate (B3F0713-DUP1)**

Source: Y306091-01

Prepared: 06/07/2023 Analyzed: 06/08/2023

Calcium PPM	153	10.0	mg/L		157			2.85	50	
SAR	0.00		SAR		8.71			200	200	
Magnesium PPM	44.3	10.0	mg/L		45.4			2.52	50	
Sodium PPM	485	10.0	"		482			0.784	50	

**Batch B3F0912 - DTPA Sorbitol Preparation**

**Blank (B3F0912-BLK1)**

Prepared: 06/09/2023 Analyzed: 06/12/2023

Boron	ND	0.100	mg/L							
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**Duplicate (B3F0912-DUP1)**

Source: Y306091-01

Prepared: 06/09/2023 Analyzed: 06/12/2023

Boron	0.445	0.101	mg/L		0.572			25.0	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 - Jepsen 1

**Saturated Paste - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B3F0714 - Saturated Paste pH/EC</b>										
<b>Blank (B3F0714-BLK1)</b>					Prepared: 06/07/2023 Analyzed: 06/08/2023					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
<b>Duplicate (B3F0714-DUP1)</b>					<b>Source: Y306091-01</b> Prepared: 06/07/2023 Analyzed: 06/08/2023					
pH	7.99		pH Units		8.18		2.35		25	
Specific Conductance (EC)	3.09	0.00500	mmhos/cm		2.94		4.97		25	
<b>Batch B3F1614 - Saturated Paste pH/EC</b>										
<b>Duplicate (B3F1614-DUP1)</b>					<b>Source: Y306385-01</b> Prepared: 06/16/2023 Analyzed: 06/17/2023					
pH	8.23		pH Units		8.20		0.365		25	

Origins Laboratory, Inc.



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Wheat Ridge CO 80033

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Jepsen 1

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**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 at a wet weight basis.

Origins Laboratory, Inc.



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Jordan A. Bynon, Project Manager



June 23, 2023

Eagle Environmental Consulting, LLC

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Jepsen 1

Project Number - [none]

Attached are your analytical results for Noble - Jepsen 1 received by Origins Laboratory, Inc. June 14, 2023. This project is associated with Origins project number Y306388-01.

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 - Jepsen 1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Background-01@2'	Y306388-01	Soil	June 6, 2023 8:50	06/14/2023 15:35

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 - Jepsen 1

Origins Laboratory

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

**Sample Receipt Checklist**

Origins Work Order: Y306388

Client: Eagle  
 Client Project ID: Jepsen #1

Checklist Completed by: EHS

Shipped Via: HD  
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
 Airbill #: NA

Date/time completed: 6/14/23

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

Cooler Number/Temperature: 112 °C 1 °C 1 °C (Describe) \_\_\_\_\_ °C

Thermometer ID: 7004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?	<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 <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<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 <sup>(1)</sup> ? (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 <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH >10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				

<sup>(1)</sup>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.

JB  
 Reviewed by (Project Manager)

16-16-23  
 Date/Time Reviewed

Origins Laboratory, Inc.

*J. Bynon*

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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 - Jepsen 1

**Background-01@2'**

**6/6/2023 8:50:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y306388-01 (Soil)**

**pH in Soil by 9045D**

pH	8.31		pH Units	1	B3F1614	ACN	06/16/2023	06/17/2023	
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Origins Laboratory, Inc.



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 Wheat Ridge CO 80033

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Jepsen 1

**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 B3F1614 - Saturated Paste pH/EC**

**Duplicate (B3F1614-DUP1)**

**Source: Y306385-01**

Prepared: 06/16/2023 Analyzed: 06/17/2023

pH	8.23		pH Units		8.20			0.365	25	
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Origins Laboratory, Inc.



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8000 W 44th Ave  
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Martin C Eckert III  
Project Number: [none]  
Project: Noble - Jepsen 1

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### 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.



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Jordan A. Bynon, Project Manager