

Wellhead Closure Checklist

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

| | | | | |
|--|-------------|---------------------------|------------------|-------------------------------------|
| Additional attachments (optional): | Pit Closure | Tank Battery Closure | Flowline Closure | Partially Buried Vault Closure |
| Site Name & COGCC Facility Number: LAND #31-13 | | Date: 11-15-22 | | Remediation Project #: 25478 |
| Associated Wells: 05-123-16009 | | Age of Site: YEARS | | Number of Photos Attached: 2 |
| Location: (GPS coordinates of wellhead or southeastern most wellhead for multiple) 40.270555, -104.704003 | | | | Estimated Facility Size (acres): |

General Condition of Site: (General observations regarding housekeeping, corrosion, waste management, etc.)
GOOD

USCS Soil Type: **CLAYEY SAND** Estimated Depth to Groundwater: **~10-12'**

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 | 05-123-16009 | | | | |
| Age | YEARS | | | | |
| Condition of surface around wellhead | GOOD - PER CREW | | | | |
| PID Readings | N/A - EXCAVATED UPON ARRIVAL | | | | |
| Condition of subsurface (if data is present) | GOOD | | | | |
| PID Readings | 2.5 | 2.7 | 3.2 | 3.1 | 3.6 |
| 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="radio"/> No Yes - less than 10 cubic yards Yes - more than 10 cubic yards |
| Total number of samples field screened: | 5 |
| Total number of samples collected: | 5 |
| Highest PID Reading: | 3.6 |
| Total number of samples submitted to lab for analysis: | 1 |
| If more than 10 cubic yards of impacted soil were observed: | |
| Vertical extent: | N/A |
| Estimated spill volume: | |
| Lateral extent: | |
| Volume of soil removed: | |
| Is additional investigation required? | |
| Was groundwater encountered during the investigation? | |
| <input checked="" type="radio"/> 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: | |



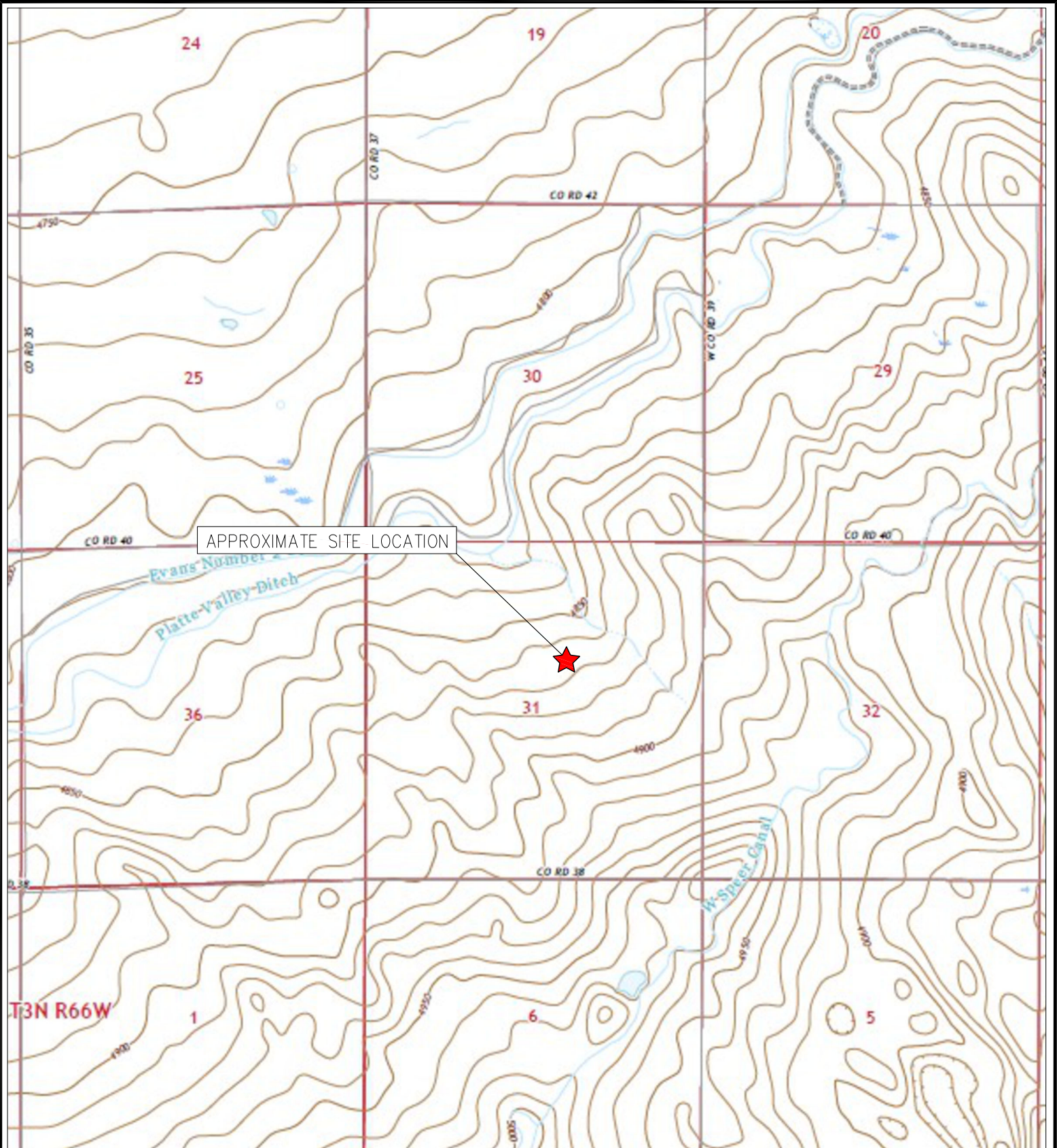
FIGURES

Figure 1: Topographic Site Location Map

Figure 2: Aerial Site Location Map

Figure 3: Soil Analytical Map

Figure 4: Polycyclic Aromatic Hydrocarbons Map



TOPOGRAPHIC SITE LOCATION MAP
 LAND #31-13
 CLOSURE ASSESSMENT
 40.270555 / -104.704003
 SW¼ NE¼ SEC.31 T4N R65W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-16009
 REMEDIATION # 25478



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 CONSULTING, INC.

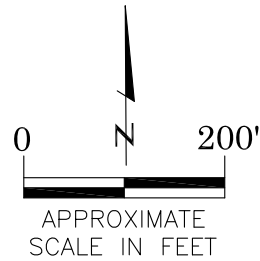
8000 W 44th Ave, Wheat Ridge, CO 80033
 Ph: 303-433-0479 • F: 303-325-5449





LEGEND

- FORMER LAND #31-13 WELLHEAD (PLUGGED AND ABANDONED)
- ASSOCIATED SEPARATOR
- APPROXIMATE FLOWLINE LOCATION



AERIAL SITE LOCATION MAP
 LAND #31-13
 CLOSURE ASSESSMENT
 40.270555 / -104.704003
 SW¼ NE¼ SEC.31 T4N R65W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-16009
 REMEDIATION # 25478

DRAWN BY:
JF

FIG. NO.
2



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WH-FS-01@6'
 11/15/22
 6'
 B = <0.00200
 T = <0.00200
 E = <0.00200
 X = <0.00200
 G = <0.200
 D = <25.0
 R = <100
 1,2,4-TMB = <0.00200
 1,3,5-TMB = <0.00200
 Brn= 0.254
 EC = 0.669
 SAR= 2.97
 pH = **8.44**

BACKGROUND-01@3'
 11/15/22
 3'
 pH = **8.46**

LEGEND

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

PARAMETERS

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

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

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

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

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

COGCC = COLORADO OIL AND GAS CONSERVATION COMMISSION

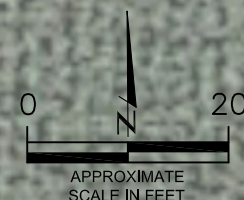
SOIL ANALYTICAL MAP
 LAND #31-13
 CLOSURE ASSESSMENT
 40.270555 / -104.704003
 SW¼ SW¼ SEC.4 T3N R64W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-16009
 REMEDIATION # 25478

DRAWN BY:
 JF

FIG.
 NO. 3

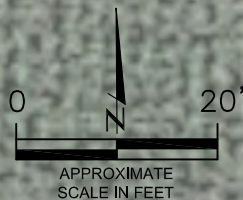
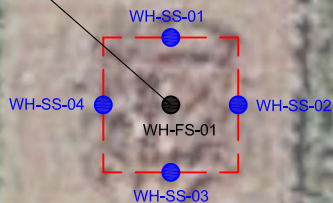


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WH-FS-01@6'
 11/15/22
 6'

1-Methylnaphthalene = <0.00201
 2-Methylnaphthalene = <0.00201
 Acenaphthene = <0.00067
 Anthracene = <0.00067
 Benzo(a)anthracene = <0.00067
 Benzo(a)pyrene = <0.00067
 Benzo(b)fluoranthene = <0.00067
 Benzo(k)fluoranthene = <0.00067
 Chrysene = <0.00067
 Dibenzo(a,h)anthracene = <0.00067
 Fluoranthene = <0.00067
 Fluorene = <0.00067
 Indeno(1,2,3-CD)pyrene = <0.00067
 Naphthalene = <0.00201
 Pyrene = <0.00067



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 SAMPLE COLLECTED
 APPROXIMATE DEPTH

POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) (mg/kg)

mg/kg = MILLIGRAMS PER KILOGRAM

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

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

COGCC = COLORADO OIL AND GAS CONSERVATION COMMISSION

POLYCYCLIC AROMATIC HYDROCARBONS MAP
 LAND #31-13
 CLOSURE ASSESSMENT
 40.270555 / -104.704003
 SW¼ NE¼ SEC.4 T4N R65W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-16009
 REMEDIATION # 25478

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FIG. NO. 4



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TABLES

Table 1: Photoionization Detector Reading Summary

Table 2: Soil Analytical Results Summary

TABLE 1
PHOTOIONIZATION DETECTOR READING SUMMARY
LAND #31-13
CLOSURE ASSESSMENT
40.270555 / -104.704003
SW¼ NE¼ SEC.31 T4N R65W 6PM
WELD COUNTY, COLORADO
API # 05-123-16009
REMEDIAION # 25478

| Sample Location (Latitude/Longitude) | Date | Approximate Depth (feet) | PID Reading (ppm-v) | Lab Submission (Y/N) |
|--|----------|--------------------------------|------------------------|-------------------------|
| WH-SS-01 @ 5' (40.270549 / -104.703987) | 11/15/22 | 5 | 2.5 | N |
| WH-SS-02 @ 5' (40.270534 / -104.703966) | 11/15/22 | 5 | 2.7 | N |
| WH-SS-03 @ 5' (40.270523 / -104.703983) | 11/15/22 | 5 | 3.2 | N |
| WH-SS-04 @ 5' (40.270535 / -104.704002) | 11/15/22 | 5 | 3.1 | N |
| WH-FS-01 @ 6' (40.270535 / -104.703983) | 11/15/22 | 6 | 3.6 | Y |
| Background-01 @ 3' (40.270532 / -104.703873) | 11/15/22 | 3 | 2.0 | Y |
| (Y/N) = Yes or No ppm-v = parts per million by volume PID = Photoionization Detector | | | | |

TABLE 2
SOIL ANALYTICAL RESULTS SUMMARY
LAND #31-13
CLOSURE ASSESSMENT
40.270555 / -104.704003
SW¼ NE¼ SEC.31 T4N R65W 6PM
WELD COUNTY, COLORADO
API # 05-123-16009
REMEDATION # 25478

| Sample Location | | WH-FS-01 @ 6' | | Background-01 @3' | |
|--|---------------|----------------------------|----------------------------|---------------------------|-------------|
| (Latitude / Longitude) | | (40.270535 / -104.703983) | | (40.270532 / -104.703873) | |
| Sample Date | | 11/15/22 | | 11/15/2022 | |
| Sample Depth | | 6' | | 3' | |
| PID Reading (ppm-v) | | 3.6 | | 2.0 | |
| Regulatory Limits | | | | | |
| Chemical of Concern | Units | COGCC Table 915-1 RSSLs | COGCC Table 915-1 GSSLs | | |
| VOCs | | | | | |
| Benzene | mg/kg | 1.2 | 0.0026 | <0.00200 | NA |
| Toluene | mg/kg | 490 | 0.69 | <0.00200 | NA |
| Ethylbenzene | mg/kg | 5.8 | 0.78 | <0.00200 | NA |
| Total Xylenes | mg/kg | 58 | 9.9 | <0.00200 | NA |
| 1,2,4-Trimethylbenzene | mg/kg | 30 | 0.0081 | <0.00200 | NA |
| 1,3,5-Trimethylbenzene | mg/kg | 27 | 0.0087 | <0.00200 | NA |
| Total Petroleum Hydrocarbons | | | | | |
| TPH-GRO | mg/kg | 500 | -- | <0.200 | NA |
| TPH-DRO | mg/kg | 500 | -- | <25.0 | NA |
| TPH-RRO | mg/kg | 500 | -- | <100 | NA |
| Polycyclic Aromatics Hydrocarbons | | | | | |
| 1-Methyl-naphthalene | mg/kg | 18 | 0.006 | <0.00201 | 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 |
| Naphthalene | mg/kg | 2 | 0.0038 | <0.00201 | NA |
| Pyrene | mg/kg | 180 | 1.3 | <0.00067 | NA |
| Soil Suitability (Inorganics) | | | | | |
| Boron | mg/L | 2 | -- | 0.254 | NA |
| pH | standard unit | 6-8.3 | -- | 8.44 | 8.46 |
| Sodium Adsorption Ratio (SAR) | -- | <6 | -- | 2.97 | NA |
| Specific Conductance (EC) | mmhos/cm | <4 | -- | 0.669 | NA |
| COGCC = Colorado Oil and Gas Conservation 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 COGCC Table 915-1 Regulatory Limits. | | | | | |



ATTACHMENT A

Photo Log

Land #31-13
API # 05-123-16009
Remediation # 25478

Closure Assessment

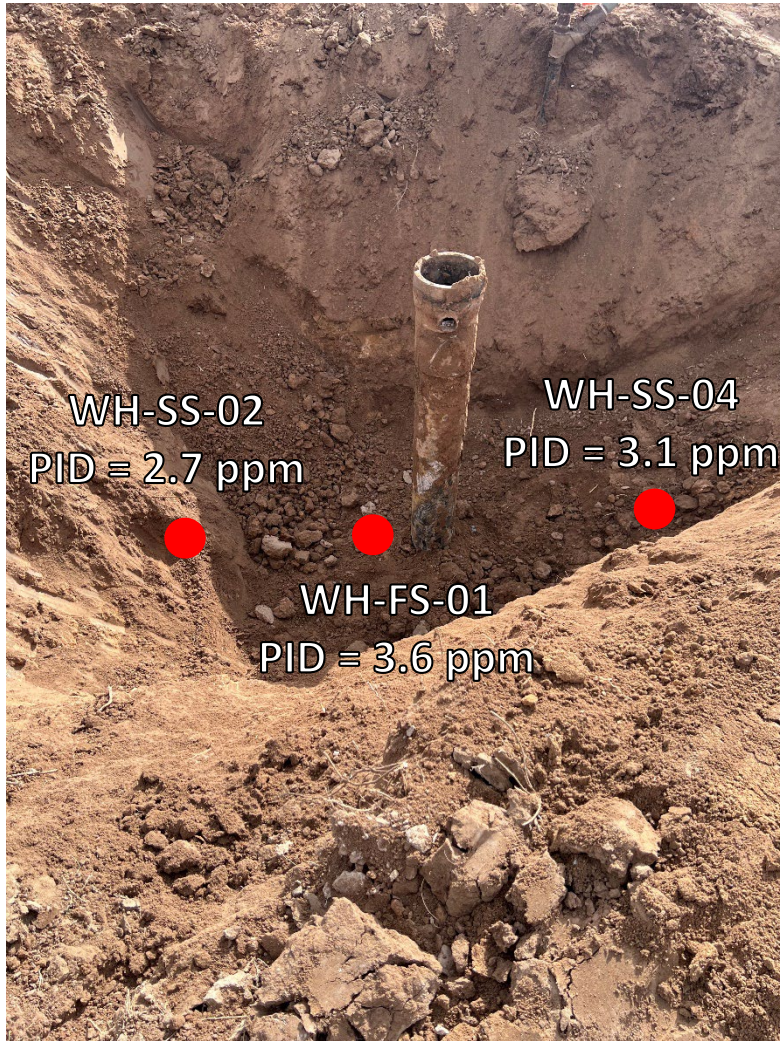
November 2022



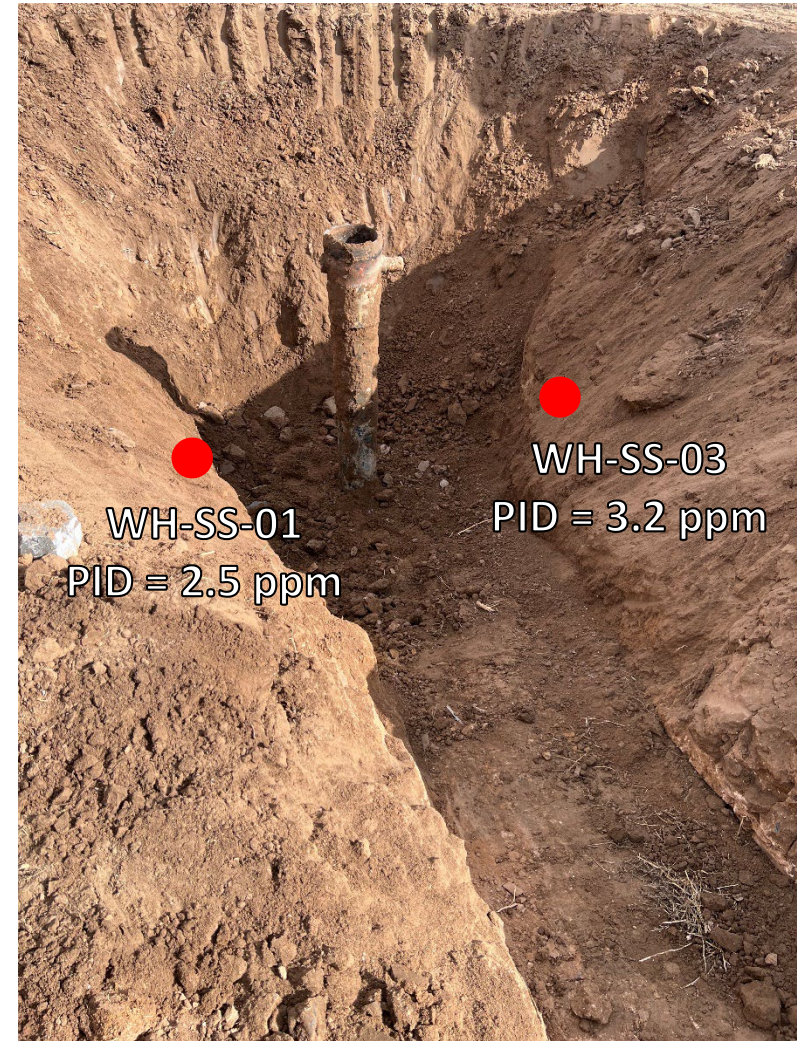
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ENVIRONMENTAL
CONSULTING, INC.
8000 W 44th Ave, Wheat Ridge, CO 80033
Ph: 303-433-0479 • F: 303-325-5449



Wellhead Excavation – 11/15/22



Looking south
No petroleum hydrocarbon staining or odor observed



Looking east
No petroleum hydrocarbon staining or odor observed



ATTACHMENT B

Laboratory Analytical Reports



November 29, 2022

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Land #31-13

Project Number - [none]

Attached are your analytical results for Noble - Land #31-13 received by Origins Laboratory, Inc. November 15, 2022. This project is associated with Origins project number Y211402-01.

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

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

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

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

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

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



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

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Land #31-13

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-------------|---------------|--------|-------------------------|------------------|
| WH-FS-01@6' | Y211402-01 | Soil | November 15, 2022 12:02 | 11/15/2022 16:05 |

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Land #31-13

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42 (1402) page of


ORIGINS LABORATORY, INC

Client: Eagle Environmental Consulting
 Address: 8000 W 44th Ave
Wheat Ridge, CO 80033
 Telephone Number: 303-433-0479
 Email Address: mu3@eagle-environ.com

Project Manager: Martin Eckert III
 Project Name: Land #31-13
 Project Number: _____
 Samples Collected By: EM

| Sample ID Description | Date Sampled | Time Sampled | # of Containers | Preservative | | | | Matrix | | | Analysis | | | | Sample Instructions | |
|-------------------------------------|-----------------------|-------------------|-------------------------|-----------------------|-------------------|--|-------|-------------|------|-----------|------------|-------|-------|-------|---------------------|-------------------------|
| | | | | Unpreserved | HCl | HNO ₃ | Other | Groundwater | Soil | Air Summa | Canister # | Other | Other | Other | | Other |
| W1-F5-0106 | 11/15/22 | 1202 | 2 | X | | | | X | | | | | X | X | X | EUSAF/HL = 1 |
| | | | | | | | | | | | | | | | | Solvent positive prep 2 |
| | | | | | | | | | | | | | | | | 3 |
| | | | | | | | | | | | | | | | | 4 |
| | | | | | | | | | | | | | | | | 5 |
| | | | | | | | | | | | | | | | | 6 |
| | | | | | | | | | | | | | | | | 7 |
| | | | | | | | | | | | | | | | | 8 |
| | | | | | | | | | | | | | | | | 9 |
| | | | | | | | | | | | | | | | | 10 |
| Relinquished By: <u>[Signature]</u> | Date: <u>11/15/22</u> | Time: <u>1605</u> | Received By: <u>LHS</u> | Date: <u>11/15/22</u> | Time: <u>1605</u> | Turnaround Time: Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input checked="" type="checkbox"/> | | | | | | | | | | |

Temp Received: 1.3 Date Results Needed: Noble

Origins Laboratory, Inc.


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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Land #31-13

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

Sample Receipt Checklist

Origins Work Order: 4211407 Client: Eagle
 Client Project ID: Land #31-13
 Checklist Completed by: EHS/DE Shipped Via: HD
 Date/time completed: 11/15/22 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Airbill #: NA
 Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____
 Cooler Number/Temperature: 1 11.3 °C / _____ °C / _____ °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⁾ ? | X | | | |
| Is there ice present (document if blue ice is used) | X | | | |
| Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact) | | X | | |
| Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact) | | X | | |
| Were all samples received intact ⁽¹⁾ ? | X | | | |
| Was adequate sample volume provided ⁽¹⁾ ? | X | | | |
| Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ? | | X | | |
| Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ? | X | | | |
| Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ? | X | | | |
| Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ? | X | | | |
| Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ? | X | | | |
| For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative. | | | X | |
| 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 HNO3, HCL, H2SO4) / (pH >10 for samples preserved with NaAsO2+NaOH, ZnAc+NaOH) | | | X | |
| 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 JB (Project Manager)

Date/Time Reviewed 11-16-22

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Land #31-13

WH-FS-01@6'

11/15/2022 12:02:00PM

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

Origins Laboratory, Inc.
Y211402-01 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|-------|--|-------|------|---|---------|------------|------------|--|
| Boron | 0.254 | | 0.100 | mg/L | 1 | B2K1705 | 11/17/2022 | 11/18/2022 | |
|-------|-------|--|-------|------|---|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|----|--|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | | 25.0 | mg/kg | 1 | B2K1534 | 11/15/2022 | 11/21/2022 | U |
| Residual Range Organics (C28-C40) | ND | | 100 | " | " | " | " | " | U |

| | | | | | | | | | |
|------------------------|--------|--|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 87.4 % | | 50-150 | | | " | " | " | |
|------------------------|--------|--|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|----|--|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | | 0.00200 | mg/kg | 1 | B2K1626 | 11/16/2022 | 11/21/2022 | U |
| 1,3,5-Trimethylbenzene | ND | | 0.00200 | " | " | " | " | " | U |
| Benzene | ND | | 0.00200 | " | " | " | " | " | U |
| Ethylbenzene | ND | | 0.00200 | " | " | " | " | " | U |
| Toluene | ND | | 0.00200 | " | " | " | " | " | U |
| Xylenes, total | ND | | 0.00200 | " | " | " | " | " | U |
| Gasoline Range Hydrocarbons | ND | | 0.200 | " | " | " | " | " | U |

| | | | | | | | | | |
|----------------------------------|-------|--|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 102 % | | 70-130 | | | " | " | " | |
|----------------------------------|-------|--|--------|--|--|---|---|---|--|

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Land #31-13

WH-FS-01@6'

11/15/2022 12:02:00PM

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

Origins Laboratory, Inc.
Y211402-01 (Soil)

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|---------------------------------|--------|--|--------|--|--|-------------|------------|------------|--|
| Surrogate: Toluene-d8 | 94.8 % | | 70-130 | | | B2K16 26 | 11/16/2022 | 11/21/2022 | |
| Surrogate: 4-Bromofluorobenzene | 91.8 % | | 70-130 | | | " | " | " | |

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|-----------|------|--|-------|-------|----|--------|------------|------------|--|
| Calcium | 1.77 | | 0.499 | meq/L | 10 | [CALC] | 11/17/2022 | 11/18/2022 | |
| Magnesium | ND | | 0.823 | " | " | " | " | " | |
| Sodium | 3.11 | | 0.435 | " | " | " | " | " | |

PAH by 8270D SIM

| | | | | | | | | | |
|-----------------------|----|----------|---------|-------|---|---------|------------|------------|--|
| 1-Methylnaphthalene | ND | 0.00109 | 0.00201 | mg/Kg | 1 | L649555 | 11/18/2022 | 11/18/2022 | |
| 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 | " | " | " | " | " | |
| Fluoranthene | ND | 0.000394 | 0.00067 | " | " | " | " | " | |

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Land #31-13

WH-FS-01@6'

11/15/2022 12:02:00PM

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

Waypoint Analytical, LLC.
Y211402-01 (Soil)

PAH by 8270D SIM

| | | | | | | | | | |
|------------------------|----|----------|---------|-------|---|---------|------------|------------|--|
| Fluorene | ND | 0.000286 | 0.00067 | mg/Kg | 1 | L649555 | 11/18/2022 | 11/18/2022 | |
| Indeno(1,2,3-cd)pyrene | ND | 0.000627 | 0.00067 | " | " | " | " | " | |
| Naphthalene | ND | 0.00145 | 0.00201 | " | " | " | " | " | |
| Pyrene | ND | 0.000643 | 0.00067 | " | " | " | " | " | |

| | | | | | | | | | |
|-----------------------------|--------|--|--------|--|--|---|---|---|--|
| Surrogate: 2-Fluorobiphenyl | 47.9 % | | 33-115 | | | " | " | " | |
| Surrogate: 4-Terphenyl-d14 | 54.8 % | | 33-122 | | | " | " | " | |
| Surrogate: Nitrobenzene-d5 | 38.3 % | | 29-110 | | | " | " | " | |

pH in Soil by 9045D

| | | | | | | | | | |
|----|-------------|--|--|----------|---|---------|------------|------------|--|
| pH | 8.44 | | | pH Units | 1 | B2K1719 | 11/17/2022 | 11/18/2022 | |
|----|-------------|--|--|----------|---|---------|------------|------------|--|

SAR by 20B Saturated Paste

| | | | | | | | | | |
|-----|-------------|--|--|-----|---|---------|------------|------------|--|
| SAR | 2.97 | | | SAR | 1 | B2K1709 | 11/17/2022 | 11/18/2022 | |
|-----|-------------|--|--|-----|---|---------|------------|------------|--|

Specific Conductance Mod. 9050A

| | | | | | | | | | |
|---------------------------|--------------|--|---------|----------|---|---------|------------|------------|--|
| Specific Conductance (EC) | 0.669 | | 0.00500 | mmhos/cm | 1 | B2K1723 | 11/17/2022 | 11/18/2022 | |
|---------------------------|--------------|--|---------|----------|---|---------|------------|------------|--|

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Land #31-13

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 B2K1534 - EPA 3580 | | | | | | | | | | |
| Blank (B2K1534-BLK1) | | | | | | | | | | |
| | | | | | Prepared: 11/15/2022 Analyzed: 11/20/2022 | | | | | |
| Diesel (C10-C28) | ND | 25.0 | mg/kg | | | | | | | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | | | | | | | U |
| Surrogate: o-Terphenyl | 23 | | " | 24.9 | | 93.4 | 50-150 | | | |

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Land #31-13

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 B2K1534 - EPA 3580

LCS (B2K1534-BS1)

Prepared: 11/15/2022 Analyzed: 11/20/2022

| | | | | | | | | | | |
|-----------------------------------|------|------|-------|------|--|------|--------|--|--|--|
| Diesel (C10-C28) | 1060 | 50.0 | mg/kg | 1000 | | 106 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 892 | 200 | " | 1000 | | 89.2 | 70-130 | | | |
| Surrogate: o-Terphenyl | 47 | | " | 49.8 | | 93.9 | 50-150 | | | |

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Land #31-13

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 B2K1534 - EPA 3580

| Matrix Spike (B2K1534-MS1) | Source: Y211389-01 | | | Prepared: 11/15/2022 Analyzed: 11/20/2022 | | | | | | |
|-----------------------------------|---------------------------|------|-------|---|-----|------|--------|--|--|--|
| Diesel (C10-C28) | 1070 | 50.0 | mg/kg | 1000 | 197 | 87.7 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 1220 | 200 | " | 1000 | 424 | 79.8 | 70-130 | | | |
| Surrogate: o-Terphenyl | 49 | | " | 49.8 | | 97.6 | 50-150 | | | |

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Land #31-13

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 B2K1534 - EPA 3580 | | | | | | | | | | |
| Matrix Spike Dup (B2K1534-MSD1) | | | | | Source: Y211389-01 | | | | | Prepared: 11/15/2022 Analyzed: 11/20/2022 |
| Diesel (C10-C28) | 955 | 50.0 | mg/kg | 1000 | 197 | 75.8 | 70-130 | 11.8 | 35 | |
| Residual Range Organics (C28-C40) | 1100 | 200 | " | 1000 | 424 | 67.9 | 70-130 | 10.2 | 35 | QM-07 |
| Surrogate: o-Terphenyl | 42 | | " | 49.8 | | 84.6 | 50-150 | | | |

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Land #31-13

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 B2K1626 - EPA 5030 (soil)

Blank (B2K1626-BLK1)

Prepared: 11/16/2022 Analyzed: 11/21/2022

| | | | | | | | | | | |
|----------------------------------|------|---------|-------|-------|------|--|--------|--|--|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | | | | | | | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | | | | | | | U |
| Benzene | ND | 0.00200 | " | | | | | | | U |
| Ethylbenzene | ND | 0.00200 | " | | | | | | | U |
| Naphthalene | ND | 0.00380 | " | | | | | | | U |
| Toluene | ND | 0.00200 | " | | | | | | | U |
| Xylenes, total | ND | 0.00200 | " | | | | | | | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | | | | | | | U |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 | | " | 0.125 | 96.9 | | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | 95.1 | | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.11 | | " | 0.125 | 91.4 | | 70-130 | | | |

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Land #31-13

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 B2K1626 - EPA 5030 (soil)

LCS (B2K1626-BS1)

Prepared: 11/16/2022 Analyzed: 11/21/2022

| | | | | | | | | | | |
|----------------------------------|-------|---------|-------|-------|--|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.114 | 0.00200 | mg/kg | 0.100 | | 114 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.113 | 0.00200 | " | 0.100 | | 113 | 70-130 | | | |
| Benzene | 0.108 | 0.00200 | " | 0.100 | | 108 | 70-130 | | | |
| Ethylbenzene | 0.109 | 0.00200 | " | 0.100 | | 109 | 70-130 | | | |
| Naphthalene | 0.101 | 0.00380 | " | 0.100 | | 101 | 70-130 | | | |
| Toluene | 0.109 | 0.00200 | " | 0.100 | | 109 | 70-130 | | | |
| o-Xylene | 0.105 | 0.00200 | " | 0.100 | | 105 | 70-130 | | | |
| m,p-Xylene | 0.222 | 0.00400 | " | 0.200 | | 111 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 | | " | 0.125 | | 95.1 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 95.6 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.11 | | " | 0.125 | | 89.6 | 70-130 | | | |

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Land #31-13

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 B2K1626 - EPA 5030 (soil)

| Matrix Spike (B2K1626-MS1) | Source: Y211392-01 | | Prepared: 11/16/2022 Analyzed: 11/21/2022 | | | | | | | |
|----------------------------------|--------------------|---------|---|-------|---------|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.108 | 0.00200 | mg/kg | 0.100 | ND | 108 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.107 | 0.00200 | " | 0.100 | ND | 107 | 70-130 | | | |
| Benzene | 0.104 | 0.00200 | " | 0.100 | ND | 104 | 70-130 | | | |
| Ethylbenzene | 0.106 | 0.00200 | " | 0.100 | ND | 106 | 70-130 | | | |
| Naphthalene | 0.0870 | 0.00380 | " | 0.100 | ND | 87.0 | 70-130 | | | |
| Toluene | 0.105 | 0.00200 | " | 0.100 | ND | 105 | 70-130 | | | |
| o-Xylene | 0.101 | 0.00200 | " | 0.100 | ND | 101 | 70-130 | | | |
| m,p-Xylene | 0.214 | 0.00400 | " | 0.200 | 0.00174 | 106 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.11 | | " | 0.125 | | 91.6 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 96.3 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.11 | | " | 0.125 | | 90.1 | 70-130 | | | |

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Land #31-13

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 B2K1626 - EPA 5030 (soil)

| Matrix Spike Dup (B2K1626-MSD1) | Source: Y211392-01 | | | Prepared: 11/16/2022 Analyzed: 11/21/2022 | | | | | | |
|----------------------------------|--------------------|---------|-------|---|---------|------|--------|-------|----|--|
| 1,2,4-Trimethylbenzene | 0.107 | 0.00200 | mg/kg | 0.100 | ND | 107 | 70-130 | 0.186 | 20 | |
| 1,3,5-Trimethylbenzene | 0.107 | 0.00200 | " | 0.100 | ND | 107 | 70-130 | 0.505 | 20 | |
| Benzene | 0.106 | 0.00200 | " | 0.100 | ND | 106 | 70-130 | 1.75 | 20 | |
| Ethylbenzene | 0.104 | 0.00200 | " | 0.100 | ND | 104 | 70-130 | 1.66 | 20 | |
| Naphthalene | 0.0966 | 0.00380 | " | 0.100 | ND | 96.6 | 70-130 | 10.5 | 20 | |
| Toluene | 0.105 | 0.00200 | " | 0.100 | ND | 105 | 70-130 | 0.229 | 20 | |
| o-Xylene | 0.101 | 0.00200 | " | 0.100 | ND | 101 | 70-130 | 0.773 | 20 | |
| m,p-Xylene | 0.209 | 0.00400 | " | 0.200 | 0.00174 | 104 | 70-130 | 1.99 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 | | " | 0.125 | | 97.6 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 95.5 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.11 | | " | 0.125 | | 89.9 | 70-130 | | | |

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Land #31-13

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 |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Classical Chemistry Parameters - Quality Control
Origins Laboratory, Inc.

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

Batch B2K1705 - DTPA Sorbitol Preparation

Blank (B2K1705-BLK1)

Prepared: 11/17/2022 Analyzed: 11/18/2022

Boron ND 0.100 mg/L

Duplicate (B2K1705-DUP1)

Source: Y211392-05

Prepared: 11/17/2022 Analyzed: 11/18/2022

Boron 0.350 0.0990 mg/L 0.478 31.0 50

Batch B2K1709 - Saturated Paste Metals

Blank (B2K1709-BLK1)

Prepared: 11/17/2022 Analyzed: 11/18/2022

SAR 0.00 SAR

Calcium PPM ND 10.0 mg/L

Magnesium PPM ND 10.0 "

Sodium PPM ND 10.0 "

Duplicate (B2K1709-DUP1)

Source: Y211392-01

Prepared: 11/17/2022 Analyzed: 11/18/2022

SAR 0.00 SAR 0.869 200 200

Calcium PPM 112 10.0 mg/L 110 1.75 50

Magnesium PPM 63.1 10.0 " 62.1 1.55 50

Sodium PPM 46.5 10.0 " 46.0 1.02 50

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Land #31-13

Saturated Paste - Quality Control
Origins Laboratory, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|---|----------|-------------|---|------|-------------|-------|-----------|-------|
| Batch B2K1719 - Saturated Paste pH/EC | | | | | | | | | | |
| Duplicate (B2K1719-DUP1) | | Source: Y211392-01 | | | Prepared: 11/17/2022 Analyzed: 11/18/2022 | | | | | |
| pH | 8.27 | | pH Units | | 8.19 | | | 0.972 | 25 | |
| Batch B2K1723 - Saturated Paste pH/EC | | | | | | | | | | |
| Blank (B2K1723-BLK1) | | Prepared: 11/17/2022 Analyzed: 11/18/2022 | | | | | | | | |
| Specific Conductance (EC) | ND | 0.00500 | mmhos/cm | | | | | | | |
| Duplicate (B2K1723-DUP1) | | Source: Y211392-01 | | | Prepared: 11/17/2022 Analyzed: 11/18/2022 | | | | | |
| Specific Conductance (EC) | 1.42 | 0.00500 | mmhos/cm | | 1.43 | | | 0.856 | 25 | |

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Land #31-13

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 L649555 - 3550B

| MSD (L 92006-MSD-L649555) | | Source: 92006 | | | Prepared: 11/18/2022 Analyzed: 11/18/2022 | | | | | |
|-----------------------------|--------|---------------|-------|-------|---|------|--------|------|----|--|
| 2-Methylnaphthalene | 0.0817 | 0.00201 | mg/Kg | 0.164 | <0.00194 | 49.8 | 30-130 | 11.6 | 30 | |
| Fluorene | 0.0877 | 0.00067 | " | 0.164 | <0.000286 | 53.4 | 30-130 | 5.9 | 30 | |
| Pyrene | 0.089 | 0.00067 | " | 0.164 | <0.000643 | 54.2 | 30-130 | 22.8 | 30 | |
| Indeno(1,2,3-cd)pyrene | 0.0965 | 0.00067 | " | 0.164 | <0.000627 | 58.8 | 30-130 | 6.5 | 30 | |
| Fluoranthene | 0.0905 | 0.00067 | " | 0.164 | <0.000394 | 55.1 | 30-130 | 6.7 | 30 | |
| Dibenz(a,h)anthracene | 0.114 | 0.00067 | " | 0.164 | <0.000614 | 69.5 | 30-130 | 5.9 | 30 | |
| Chrysene | 0.0935 | 0.00067 | " | 0.164 | <0.000624 | 57 | 30-130 | 0.7 | 30 | |
| Naphthalene | 0.0901 | 0.00201 | " | 0.164 | <0.00145 | 54.9 | 30-130 | 0.5 | 30 | |
| 1-Methylnaphthalene | 0.0843 | 0.00201 | " | 0.164 | <0.00109 | 51.4 | 30-130 | 8.4 | 30 | |
| Benzo(k)fluoranthene | 0.0887 | 0.00067 | " | 0.164 | <0.000437 | 54 | 30-130 | 6.6 | 30 | |
| Acenaphthene | 0.0865 | 0.00067 | " | 0.164 | <0.000304 | 52.7 | 30-130 | 4 | 30 | |
| Anthracene | 0.0872 | 0.00067 | " | 0.164 | <0.000334 | 53.1 | 30-130 | 1 | 30 | |
| Benzo(a)anthracene | 0.0923 | 0.00067 | " | 0.164 | <0.000493 | 56.2 | 30-130 | 1.3 | 30 | |
| Benzo(a)pyrene | 0.0892 | 0.00067 | " | 0.164 | <0.000468 | 54.3 | 30-130 | 1.9 | 30 | |
| Benzo(b)fluoranthene | 0.0769 | 0.00067 | " | 0.164 | <0.000585 | 46.8 | 30-130 | 7.8 | 30 | |
| Surrogate: 2-Fluorobiphenyl | 49.2 | | " | 0.329 | 122 | 49.2 | 33-115 | | | |
| Surrogate: Nitrobenzene-d5 | 59.5 | | " | 0.329 | 136 | 59.5 | 29-110 | | | |
| Surrogate: 4-Terphenyl-d14 | 61 | | " | 0.329 | 175 | 61 | 33-122 | | | |

| MS (L 92006-MS-L649555) | | Source: 92006 | | | Prepared: 11/18/2022 Analyzed: 11/18/2022 | | | | | |
|-------------------------|--------|---------------|-------|-------|---|------|--------|--|--|--|
| Benzo(k)fluoranthene | 0.0948 | 0.00067 | mg/Kg | 0.166 | <0.000437 | 57.1 | 30-130 | | | |
| Acenaphthene | 0.0901 | 0.00067 | " | 0.166 | <0.000304 | 54.2 | 30-130 | | | |
| Naphthalene | 0.0896 | 0.00201 | " | 0.166 | <0.00145 | 53.9 | 30-130 | | | |
| Indeno(1,2,3-cd)pyrene | 0.103 | 0.00067 | " | 0.166 | <0.000627 | 62 | 30-130 | | | |
| Fluorene | 0.0931 | 0.00067 | " | 0.166 | <0.000286 | 56 | 30-130 | | | |
| Fluoranthene | 0.0968 | 0.00067 | " | 0.166 | <0.000394 | 58.3 | 30-130 | | | |
| Dibenz(a,h)anthracene | 0.121 | 0.00067 | " | 0.166 | <0.000614 | 72.8 | 30-130 | | | |

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Land #31-13

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 L649555 - 3550B

| MS (L 92006-MS-L649555) | Source: 92006 | | | Prepared: 11/18/2022 Analyzed: 11/18/2022 | | | | | | |
|-----------------------------|---------------|---------|-------|---|-----------|------|--------|--|--|--|
| Chrysene | 0.0942 | 0.00067 | mg/Kg | 0.166 | <0.000624 | 56.7 | 30-130 | | | |
| 1-Methylnaphthalene | 0.0917 | 0.00201 | " | 0.166 | <0.00109 | 55.2 | 30-130 | | | |
| Benzo(a)pyrene | 0.091 | 0.00067 | " | 0.166 | <0.000468 | 54.8 | 30-130 | | | |
| Anthracene | 0.0881 | 0.00067 | " | 0.166 | <0.000334 | 53 | 30-130 | | | |
| Pyrene | 0.112 | 0.00067 | " | 0.166 | <0.000643 | 67.4 | 30-130 | | | |
| 2-Methylnaphthalene | 0.0918 | 0.00201 | " | 0.166 | <0.00194 | 55.3 | 30-130 | | | |
| Benzo(b)fluoranthene | 0.0832 | 0.00067 | " | 0.166 | <0.000585 | 50.1 | 30-130 | | | |
| Benzo(a)anthracene | 0.0911 | 0.00067 | " | 0.166 | <0.000493 | 54.8 | 30-130 | | | |
| Surrogate: Nitrobenzene-d5 | 56.1 | | " | 0.331 | 136 | 56.1 | 29-110 | | | |
| Surrogate: 4-Terphenyl-d14 | 73.7 | | " | 0.331 | 175 | 73.7 | 33-122 | | | |
| Surrogate: 2-Fluorobiphenyl | 53.4 | | " | 0.331 | 122 | 53.4 | 33-115 | | | |

| LCS (LCS-L649555) | Prepared: 11/18/2022 Analyzed: 11/18/2022 | | | | | | | | | |
|------------------------|---|---------|-------|-------|--|------|--------|--|--|--|
| Chrysene | 0.0922 | 0.00067 | mg/Kg | 0.167 | | 55.2 | 30-130 | | | |
| Dibenz(a,h)anthracene | 0.129 | 0.00067 | " | 0.167 | | 77.2 | 30-130 | | | |
| Fluoranthene | 0.0822 | 0.00067 | " | 0.167 | | 49.2 | 30-130 | | | |
| Fluorene | 0.0918 | 0.00067 | " | 0.167 | | 54.9 | 30-130 | | | |
| Indeno(1,2,3-cd)pyrene | 0.109 | 0.00067 | " | 0.167 | | 65.2 | 30-130 | | | |
| Naphthalene | 0.0803 | 0.00201 | " | 0.167 | | 48 | 30-130 | | | |
| Benzo(k)fluoranthene | 0.104 | 0.00067 | " | 0.167 | | 62.2 | 30-130 | | | |
| Pyrene | 0.0847 | 0.00067 | " | 0.167 | | 50.7 | 30-130 | | | |
| Benzo(a)pyrene | 0.0867 | 0.00067 | " | 0.167 | | 51.9 | 30-130 | | | |
| Benzo(a)anthracene | 0.0885 | 0.00067 | " | 0.167 | | 52.9 | 30-130 | | | |
| Anthracene | 0.103 | 0.00067 | " | 0.167 | | 61.6 | 30-130 | | | |
| Acenaphthene | 0.0858 | 0.00067 | " | 0.167 | | 51.3 | 30-130 | | | |
| 2-Methylnaphthalene | 0.0672 | 0.00201 | " | 0.167 | | 40.2 | 30-130 | | | |
| 1-Methylnaphthalene | 0.0684 | 0.00201 | " | 0.167 | | 40.9 | 30-130 | | | |

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Land #31-13

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 L649555 - 3550B | | | | | | | | | | |
| LCS (LCS-L649555) | | | | | Prepared: 11/18/2022 Analyzed: 11/18/2022 | | | | | |
| Benzo(b)fluoranthene | 0.098 | 0.00067 | mg/Kg | 0.167 | | 58.6 | 30-130 | | | |
| Surrogate: Nitrobenzene-d5 | 42.3 | | " | 0.333 | | 42.3 | 29-110 | | | |
| Surrogate: 4-Terphenyl-d14 | 72.9 | | " | 0.333 | | 72.9 | 33-122 | | | |
| Surrogate: 2-Fluorobiphenyl | 44.1 | | " | 0.333 | | 44.1 | 33-115 | | | |
| LRB (LRB-L649555) | | | | | Prepared: 11/18/2022 Analyzed: 11/18/2022 | | | | | |
| Chrysene | ND | 0.00067 | mg/Kg | | | | - | | | |
| Dibenz(a,h)anthracene | ND | 0.00067 | " | | | | - | | | |
| Fluoranthene | ND | 0.00067 | " | | | | - | | | |
| Fluorene | ND | 0.00067 | " | | | | - | | | |
| Benzo(k)fluoranthene | ND | 0.00067 | " | | | | - | | | |
| Naphthalene | ND | 0.00201 | " | | | | - | | | |
| 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 | 52.8 | | " | 0.333 | | 52.8 | 29-110 | | | |
| Surrogate: 4-Terphenyl-d14 | 61.5 | | " | 0.333 | | 61.5 | 33-122 | | | |
| Surrogate: 2-Fluorobiphenyl | 37.2 | | " | 0.333 | | 37.2 | 33-115 | | | |

Origins Laboratory, Inc.



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

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Land #31-13

Notes and Definitions

U Sample is Non-Detect.

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

Origins Laboratory, Inc.



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

Jordan A. Bynon, Project Manager



December 08, 2022

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Land #31-13

Project Number - [none]

Attached are your analytical results for Noble - Land #31-13 received by Origins Laboratory, Inc. November 30, 2022. This project is associated with Origins project number Y211662-01.

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

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

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

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

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

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



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

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Land #31-13

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|------------------|---------------|--------|-------------------------|------------------|
| BACKGROUND-01@3' | Y211662-01 | Soil | November 15, 2022 12:04 | 11/30/2022 17:25 |

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Land #31-13

www.originslaboratory.com

4211662 page 1 of 1

ORIGINS LABORATORY, INC

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

Project Manager: Martin Eckert III
 Project Name: Land #31-13
 Project Number: _____
 Samples Collected By: IM

Fax: 303.265.9645

| Sample ID Description | Date Sampled | Time Sampled | # of Containers | Preservative | | | | Matrix | | | | Analysis | Sample Instructions | |
|-----------------------|--------------|--------------|-----------------|--------------|-----|------------------|-------|-------------|------|----------------------|-------|----------|---------------------|------------------------|
| | | | | Unpreserved | HCl | HNO ₃ | Other | Groundwater | Soil | Air Summa Canister # | Other | | | |
| Background-D103 | 11/15/22 | 12:04 | 1 | X | | | | | | | | | | saturation pack prep 1 |
| | | | | | | | | | | | | | | 2 |
| | | | | | | | | | | | | | | 3 |
| | | | | | | | | | | | | | | 4 |
| | | | | | | | | | | | | | | 5 |
| | | | | | | | | | | | | | | 6 |
| | | | | | | | | | | | | | | 7 |
| | | | | | | | | | | | | | | 8 |
| | | | | | | | | | | | | | | 9 |
| | | | | | | | | | | | | | | 10 |

Relinquished By: Courtney
 Date: 11/30/22
 Time: 6:25

Received By: EHS
 Date: 11/30/22
 Time: 17:25

Turnaround Time:
 Same Day 24 Hr
 48 Hr 72 Hr
 Standard

Temp Received - y. b
 Date Results Needed: 1/1/23

Origins Laboratory, Inc.

J. Bynon

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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Land #31-13

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

Sample Receipt Checklist

Origins Work Order: 4211602 Client: Eagle
 Checklist Completed by: EHS/DE Client Project ID: Land #31-13
 Date/time completed: 11/30/22 Shipped Via: HD
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Airbill #: NA

Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____
 Cooler Number/Temperature: 1 M6 °C / _____ °C / _____ °C (Describe) _____ °C
 Thermometer ID: TC04

| 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"/> | | | |
| Is there ice present (document if blue ice is used) | <input checked="" 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"/> | | |
| 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"/> | | |
| Were all samples received intact ⁽¹⁾ ? | <input checked="" type="checkbox"/> | | | |
| Was adequate sample volume provided ⁽¹⁾ ? | <input checked="" type="checkbox"/> | | | |
| Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ? | | <input checked="" type="checkbox"/> | | |
| Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ? | <input checked="" type="checkbox"/> | | | |
| Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ? | <input checked="" type="checkbox"/> | | | |
| Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ? | <input checked="" type="checkbox"/> | | | |
| Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ? | <input checked="" type="checkbox"/> | | | |
| For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative. | | | <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 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) DE Date/Time Reviewed 12-1-22

Origins Laboratory, Inc.

J. Bynon

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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Land #31-13

BACKGROUND-01@3'

11/15/2022 12:04:00PM

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

Origins Laboratory, Inc.
Y211662-01 (Soil)

pH in Soil by 9045D

| | | | | | | | | | |
|----|------|--|----------|---|---------|-----|------------|------------|--|
| pH | 8.46 | | pH Units | 1 | B2L0212 | ACC | 12/02/2022 | 12/05/2022 | |
|----|------|--|----------|---|---------|-----|------------|------------|--|

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Land #31-13

Saturated Paste - Quality Control
Origins Laboratory, Inc.

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

Batch B2L0212 - Saturated Paste pH/EC

Duplicate (B2L0212-DUP1)

Source: Y211663-01

Prepared: 12/02/2022 Analyzed: 12/05/2022

| | | | | | | | | | | |
|----|------|--|----------|--|------|--|--|------|----|--|
| pH | 8.17 | | pH Units | | 7.70 | | | 5.92 | 25 | |
|----|------|--|----------|--|------|--|--|------|----|--|

Origins Laboratory, Inc.



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Jordan A. Bynon, Project Manager

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Land #31-13

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