

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: HUNTSMAN 6 #13-10 | | Date: 11-16-22 | | Remediation Project #: 23096 | | | | |
| Associated Wells: 05-123-14664 | | Age of Site: YEARS | | Number of Photos Attached: 1 | | | | |
| Location: (GPS coordinates of wellhead or southeastern most wellhead for multiple) 40.310797, -104.608747 | | | | | | Estimated Facility Size (acres): | | |
| General Condition of Site: (General observations regarding housekeeping, corrosion, waste management, etc.) GOOD | | | | | | | | |
| USCS Soil Type: SILTY 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 | 05-123-14664 | | | | | | | |
| Age | YEARS | | | | | | | |
| Condition of surface around wellhead | GOOD - PER CREW | | | | | | | |
| PID Readings | N/A - EXCAVATED UPON ARRIVAL | | | | | | | |
| Condition of subsurface (atastria present) | GOOD | | | | | | | |
| PID Readings | 3.9 | 4.8 | 6.9 | 3.2 | 15.4 | | | |
| Sample taken? Location/Sample ID# | WH-SS-01 | WH-SS-02 | WH-SS-03 | WH-SS-04 | WH-SS-01 | | | |
| Photo Number(s) | SEE PHOTOS | | | | | | | |
| 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: 15.4 | | | 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: N/A | | | 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? <input checked="" type="radio"/> Yes <input type="radio"/> 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

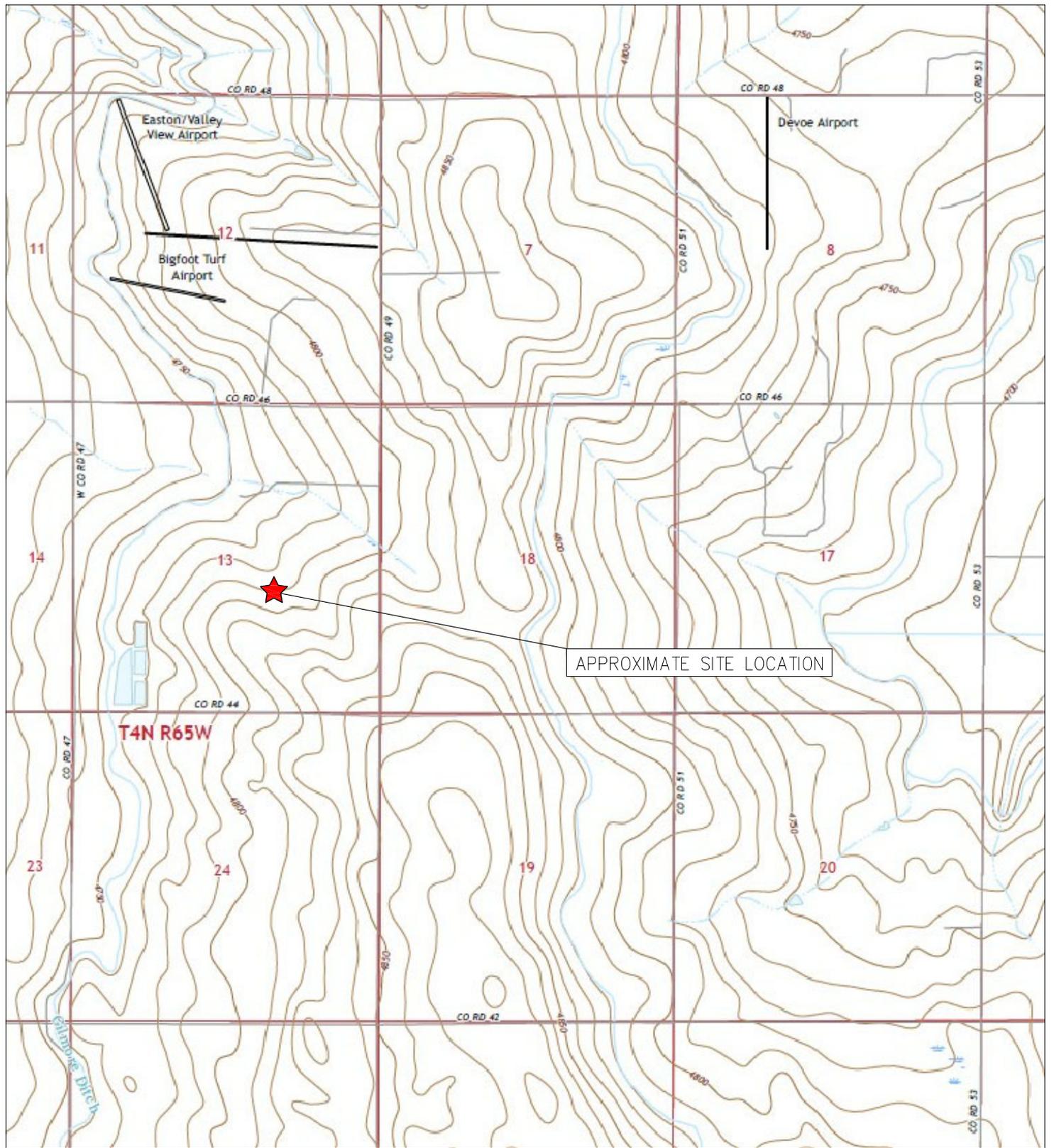
Figure 1: Topographic Site Location Map

Figure 2: Aerial Site Location Map

Figure 3: Soil Analytical Map

Figure 4: Polycyclic Aromatic Hydrocarbons Map

Figure 5: Metals in Soil Map



TOPOGRAPHIC SITE LOCATION MAP
 HUNTSMAN G #13-10
 CLOSURE ASSESSMENT
 40.310797 / -104.608747
 NW¼ SE¼ SEC.13 T4N R65W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-14664
 REMEDIATION # 25096



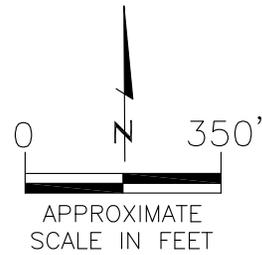
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8000 W 44th Ave, Wheat Ridge, CO 80033
 Ph: 303-433-0479 • F: 303-325-5449



LEGEND

- FORMER HUNTSMAN G #13-10 WELLHEAD (PLUGGED AND ABANDONED)
- ASSOCIATED SEPARATOR
- APPROXIMATE FLOWLINE LOCATION



AERIAL SITE LOCATION MAP
 HUNTSMAN G #13-10
 CLOSURE ASSESSMENT
 40.310797 / -104.608747
 NW¼ SE¼ SEC.13 T4N R65W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-14664
 REMEDIATION # 25096

DATE: 11/29/22

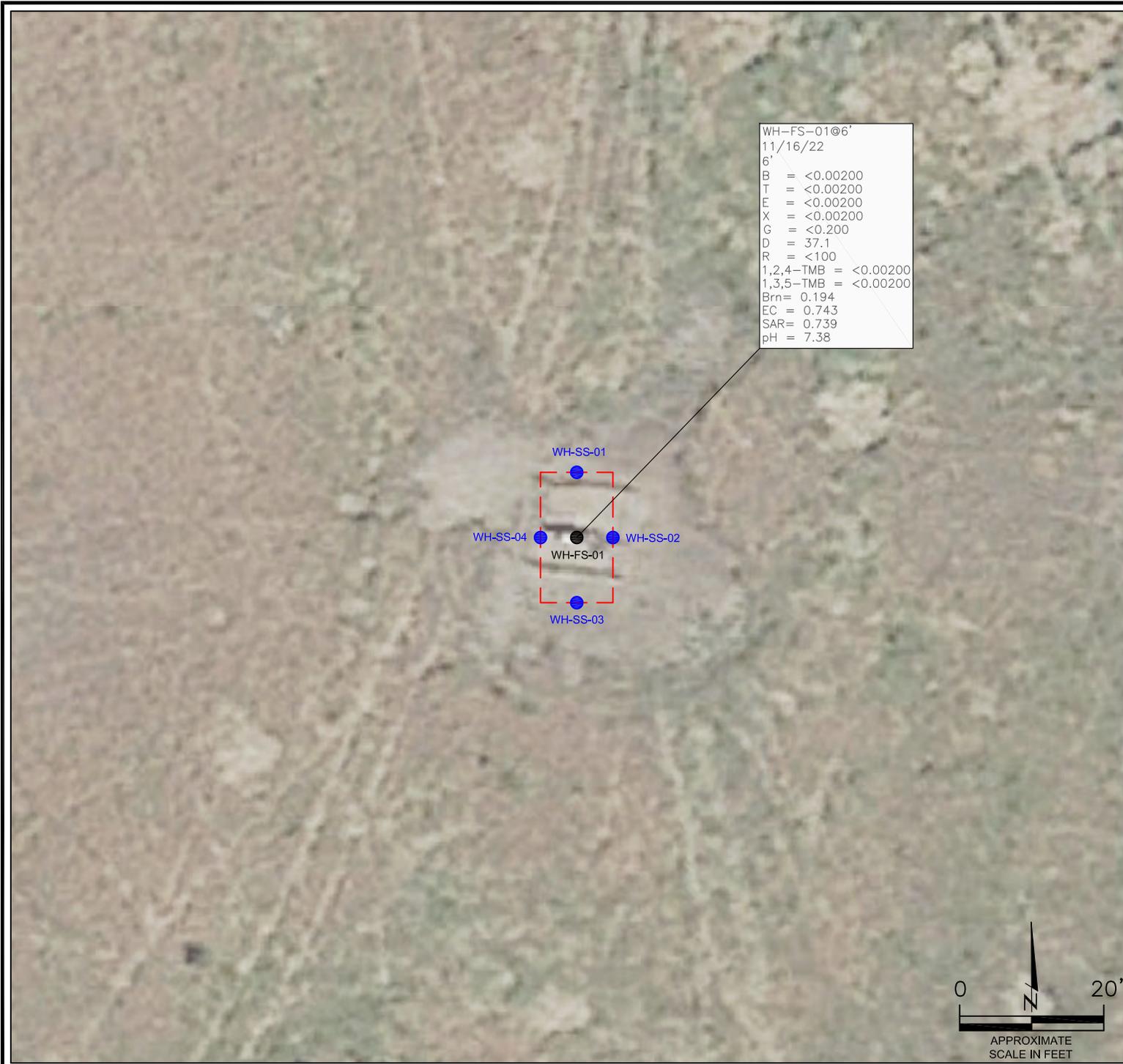
FIG. NO. 2
DRAWN BY: GEC



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LEGEND

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

PARAMETERS

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

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

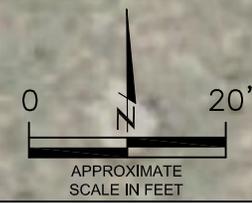
TPH-GRO = TOTAL PETROLEUM HYDROCARBONS - GASOLINE RANGE ORGANICS
 TPH-DRO = TOTAL PETROLEUM HYDROCARBONS - DIESEL RANGE ORGANICS
 TPH-RRO = TOTAL PETROLEUM HYDROCARBONS - RESIDUAL RANGE ORGANICS

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
 HUNTSMAN G #13-10
 CLOSURE ASSESSMENT
 40.310797 / -104.608747
 NW¼ SE¼ SEC.13 T4N R65W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-14664
 REMEDIATION # 25096



| | |
|-----------|----------|
| DATE: | 11/29/22 |
| DRAWN BY: | GEC |
| FIG. NO. | 3 |

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LEGEND

- INITIAL 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

ND = NON-DETECT

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

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

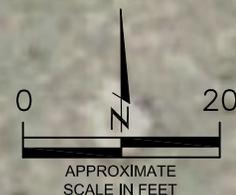
VALUES PRESENTED WITH AN ASTERISK (*) EXCEED COGCC TABLE 915-1 GROUNDWATER SOIL SCREENING LEVELS

COGCC = COLORADO OIL AND GAS CONSERVATION COMMISSION

POLYCYCLIC AROMATIC HYDROCARBONS MAP
 HUNTSMAN G #13-10
 CLOSURE ASSESSMENT
 40.310797 / -104.608747
 NW¼ SE¼ SEC.13 T4N R65W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-14664
 REMEDIATION # 25096

DATE:
11/29/22
 DRAWN BY:
GEC
 FIG.
NO. 4

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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 SAMPLE COLLECTED |
| APPROXIMATE DEPTH |
| Arsenic = (mg/kg) |
| Barium = (mg/kg) |
| Cadmium = (mg/kg) |
| Copper = (mg/kg) |
| Lead = (mg/kg) |
| Nickel = (mg/kg) |
| Selenium = (mg/kg) |
| Silver = (mg/kg) |
| Zinc = (mg/kg) |

mg/kg = MILLIGRAMS PER KILOGRAM

NOTES:

VALUES PRESENTED WITH A LESS THAN SYMBOL (<) DID NOT CONTAIN CONCENTRATIONS AT/OR ABOVE LABORATORY REPORTING LIMITS AND/OR MINIMUM DETECTION LIMITS.

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

*VALUES EXCEED COGCC TABLE 915-1 PROTECTION OF GROUNDWATER SOIL SCREENING LEVELS.

***ARSENIC IS NATURALLY OCCURRING IN COLORADO. LOCAL CLEAN-UP LEVEL (3.04 mg/kg) is 1.25*BACKGROUND (2.43 mg/kg).

COGCC = COLORADO OIL AND GAS CONSERVATION COMMISSION

METALS IN SOIL MAP
 HUNTSMAN G #13-10
 CLOSURE ASSESSMENT
 40.310797 / -104.608747
 NW¼ SE¼ SEC.13 T4N R65W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-14664
 REMEDIATION # 25096

DRAWN BY:
GEC

FIG.
NO. 5



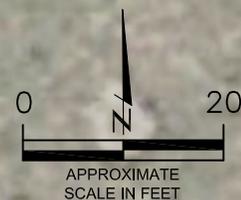
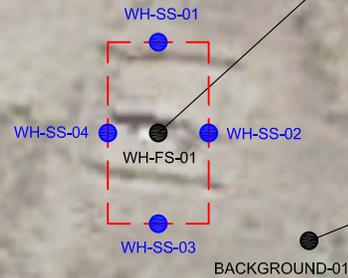
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WH-FS-01@6'
 11/16/22
 6'

Arsenic = 2.22***
 Barium = 74.2
 Cadmium = 0.123
 Copper = <8.76
 Lead = 11.8
 Nickel = <8.76
 Selenium = 0.125
 Silver = <0.0876
 Zinc = <87.6

BACKGROUND-01@3'
 11/16/22
 2'

Arsenic = 2.43***
 Barium = 52.5
 Cadmium = 0.120
 Copper = <9.20
 Lead = <9.20
 Nickel = <9.20
 Selenium = 0.184
 Silver = <0.0920
 Zinc = <92.0





TABLES

Table 1: Photoionization Detector Reading Summary

Table 2: Soil Analytical Results Summary

TABLE 1
PHOTOIONIZATION DETECTOR READING SUMMARY
HUNTSMAN G #13-10
CLOSURE ASSESSMENT
40.310797 / -104.608747
NW 1/4 SE 1/4 SEC.13 T4N R65W 6PM
WELD COUNTY, COLORADO
API # 05-123-14664
REMEDIAION # 25096

| Sample Location (Latitude/Longitude) | Date | Approximate Depth (feet) | PID Reading (ppm-v) | Lab Submission (Y/N) |
|--|----------|--------------------------------|------------------------|-------------------------|
| WH-SS-01 @ 5' (40.310828 / -104.608767) | 11/16/22 | 5 | 3.9 | N |
| WH-SS-02 @ 5' (40.310811 / -104.608745) | 11/16/22 | 5 | 4.8 | N |
| WH-SS-03 @ 5' (40.310798 / -104.608772) | 11/16/22 | 5 | 6.9 | N |
| WH-SS-04 @ 5' (40.310816 / -104.608789) | 11/16/22 | 5 | 3.2 | N |
| WH-FS-01 @ 6' (40.310813 / -104.608768) | 11/16/22 | 6 | 15.4 | Y |
| Background-01 @ 2' (40.310790 / -104.608713) | 11/16/22 | 2 | 2.7 | Y |
| (Y/N) = Yes or No ppm-v = parts per million by volume PID = Photoionization Detector | | | | |



TABLE 2
SOIL ANALYTICAL RESULTS SUMMARY
HUNTSMAN G #13-10
CLOSURE ASSESSMENT
40.310797 / -104.608747
NW 1/4 SE 1/4 SEC.13 T4N R65W 6PM
WELD COUNTY, COLORADO
API # 05-123-14664
REMEDATION # 25096

| Sample Location | | WH-FS-01 @ 6' | | Background-01 @ 2' | | |
|---|---------------|----------------------------|----------------------------|---------------------------|----------------|---------|
| (Latitude / Longitude) | | (40.310813 / -104.608768) | | (40.310790 / -104.608713) | | |
| Sample Date | | 11/16/22 | | 11/16/2022 | | |
| Sample Depth | | 6' | | 2' | | |
| PID Reading (ppm-v) | | 15.4 | | 2.7 | | |
| Regulatory Limits | | | | | | |
| Chemical of Concern | Units | COGCC Table 915-1 RSSLs | COGCC Table 915-1 GSSLs | Local Clean-Up Level | | |
| VOCs | | | | | | |
| Benzene | mg/kg | 1.2 | 0.0026 | -- | <0.00200 | NA |
| Toluene | mg/kg | 490 | 0.69 | -- | <0.00200 | NA |
| Ethylbenzene | mg/kg | 5.8 | 0.78 | -- | <0.00200 | NA |
| Total Xylenes | mg/kg | 58 | 9.9 | -- | <0.00200 | NA |
| 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 | -- | -- | 37.1 | NA |
| TPH-RRO | mg/kg | 500 | -- | -- | <100 | NA |
| Polycyclic Aromatics Hydrocarbons | | | | | | |
| 1-Methyl-naphthalene | mg/kg | 18 | 0.006 | -- | 0.0229* | NA |
| 2-Methyl-naphthalene | mg/kg | 24 | 0.019 | -- | 0.0204* | NA |
| Acenaphthene | mg/kg | 360 | 0.55 | -- | 0.0098 | NA |
| Anthracene | mg/kg | 1800 | 5.8 | -- | <0.00335 | NA |
| Benzo(a)-anthracene | mg/kg | 1.1 | 0.011 | -- | <0.00335 | NA |
| Benzo(a)-pyrene | mg/kg | 0.11 | 0.24 | -- | <0.00335 | NA |
| Benzo(b)-fluoranthene | mg/kg | 1.1 | 0.3 | -- | <0.00335 | NA |
| Benzo(k)-fluoranthene | mg/kg | 11 | 2.9 | -- | <0.00335 | NA |
| Chrysene | mg/kg | 110 | 9 | -- | 0.00448 | NA |
| Dibenzo(a,h)-anthracene | mg/kg | 0.11 | 0.096 | -- | <0.00335 | NA |
| Fluoranthene | mg/kg | 240 | 8.9 | -- | <0.00335 | NA |
| Fluorene | mg/kg | 240 | 0.54 | -- | 0.0224 | NA |
| Indeno(1,2,3-cd)-pyrene | mg/kg | 1.1 | 0.98 | -- | <0.00335 | NA |
| Naphthalene | mg/kg | 2 | 0.0038 | -- | <0.00380 | NA |
| Pyrene | mg/kg | 180 | 1.3 | -- | <0.00335 | NA |
| Soil Suitability (Inorganics) | | | | | | |
| Boron | mg/L | 2 | -- | -- | 0.194 | NA |
| pH | standard unit | 6-8.3 | -- | -- | 7.38 | NA |
| Sodium Adsorption Ratio (SAR) | -- | <6 | -- | -- | 0.739 | NA |
| Specific Conductance (EC) | mmhos/cm | <4 | -- | -- | 0.743 | NA |
| Metals | | | | | | |
| Arsenic | mg/kg | 0.68*** | 0.29*** | 3.04*** | 2.22*** | 2.43*** |
| Barium | mg/kg | 15000 | 82 | -- | 74.2 | 52.5 |
| Cadmium | mg/kg | 71 | 0.38 | -- | 0.123 | 0.120 |
| Copper | mg/kg | 3100 | 46 | -- | <8.76 | <9.20 |
| Lead | mg/kg | 400 | 14 | -- | 11.8 | <9.20 |
| Nickel | mg/kg | 1500 | 26 | -- | <8.76 | <9.20 |
| Selenium | mg/kg | 390 | 0.26 | -- | 0.125 | 0.184 |
| Silver | mg/kg | 390 | 0.8 | -- | <0.0876 | <0.0920 |
| Zinc | mg/kg | 23000 | 370 | -- | <87.6 | <92.0 |
| Hexavalent Chromium | mg/kg | 0.3** | 0.00067** | 0.1 to 1.0** | NA | 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. Values presented with asterisk (*) exceed COGCC Table 915-1 GSSLs. **Achievable practical quantitative limits for Hexavalent Chromium in soils is in the range of 0.1 to 1 mg/kg. ***Arsenic is naturally occurring in Colorado. | | | | | | |



ATTACHMENT A

Photo Log

Huntsman G #13-10

API # 05-123-14664

Remediation # 25096

Closure Assessment

November 2022

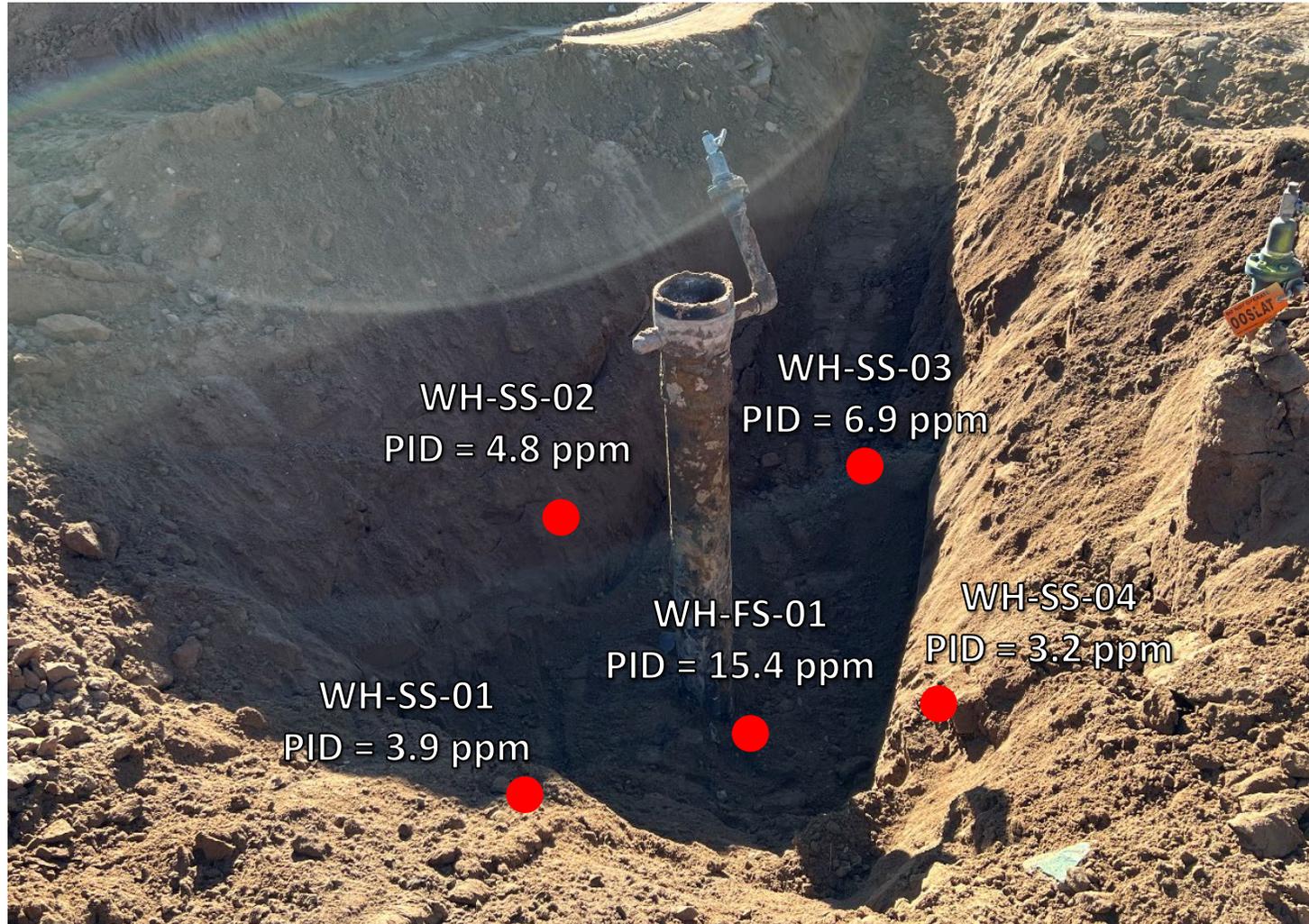


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8000 W 44th Ave, Wheat Ridge, CO 80033
Ph: 303-433-0479 • F: 303-325-5449



Wellhead Excavation – 11/16/22



Looking southeast

No petroleum hydrocarbon staining or odor observed



ATTACHMENT B

Laboratory Analytical Reports



December 01, 2022

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Huntsman G #13-10

Project Number - [none]

Attached are your analytical results for Noble - Huntsman G #13-10 received by Origins Laboratory, Inc. November 16, 2022. This project is associated with Origins project number Y211425-01.

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 - Huntsman G #13-10

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-------------|---------------|--------|-------------------------|------------------|
| WH-FS-01@6' | Y211425-01 | Soil | November 16, 2022 10:22 | 11/16/2022 14:00 |

Chain of Custody Modification Request

On 11/29/2022, Grace Congdon from Eagle Environmental contacted Jordan Bynon via email regarding Y211425 requesting that Table 915 6020 Metals be added.

Requested modifications to the chain of custody were made by Jordan Bynon on 11/29/2022.

Origins Laboratory, Inc.



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

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 - Huntsman G #13-10

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4211425

Client: Eagle

Client Project ID: Huntsman G #13-10

Checklist Completed by: EHS/OE

Shipped Via: HD

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

Date/time completed: 11/16/12

Airbill #: NA

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

Water

Other:

Cooler Number/Temperature: 1123 °C

(Describe)

Thermometer ID: 7004

| Requirement Description | Yes | No | N/A | Comments (if any) |
|---|-------------------------------------|-------------------------------------|-------------------------------------|-------------------|
| If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ? | <input checked="" type="checkbox"/> | | | |
| 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 be in the additional comments (above) and the case narrative.

Reviewed by: [Signature] (Project Manager)

Date/Time Reviewed: 11-17-12

Origins Laboratory, Inc.

[Signature]

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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Huntsman G #13-10

WH-FS-01@6'
11/16/2022 10:22:00AM

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

Origins Laboratory, Inc.
Y211425-01 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|-------|--|-------|------|---|---------|------------|------------|--|
| Boron | 0.194 | | 0.100 | mg/L | 1 | B2K1706 | 11/17/2022 | 11/18/2022 | |
|-------|-------|--|-------|------|---|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|------|--|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | 37.1 | | 25.0 | mg/kg | 1 | B2K1701 | 11/17/2022 | 11/19/2022 | |
| Residual Range Organics (C28-C40) | ND | | 100 | " | " | " | " | " | U |

| | | | | | | | | | |
|------------------------|--------|--|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 82.1 % | | 50-150 | | | " | " | " | |
|------------------------|--------|--|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|----|--|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | | 0.00200 | mg/kg | 1 | B2K1735 | 11/17/2022 | 11/22/2022 | U |
| 1,3,5-Trimethylbenzene | ND | | 0.00200 | " | " | " | " | " | U |
| Benzene | ND | | 0.00200 | " | " | " | " | " | U |
| Ethylbenzene | ND | | 0.00200 | " | " | " | " | " | U |
| Naphthalene | ND | | 0.00380 | " | " | " | " | " | U |
| Toluene | ND | | 0.00200 | " | " | " | " | " | U |
| Xylenes, total | ND | | 0.00200 | " | " | " | " | " | U |
| Gasoline Range Hydrocarbons | ND | | 0.200 | " | " | " | " | " | U |

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Huntsman G #13-10

WH-FS-01@6'

11/16/2022 10:22:00AM

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

Origins Laboratory, Inc.
Y211425-01 (Soil)

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|----------------------------------|--------|--|--------|--|--|-------------|------------|------------|--|
| Surrogate: 1,2-Dichloroethane-d4 | 113 % | | 70-130 | | | B2K17 35 | 11/17/2022 | 11/22/2022 | |
| Surrogate: Toluene-d8 | 99.9 % | | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 96.7 % | | 70-130 | | | " | " | " | |

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|-----------|--------------|--|-------|-------|----|--------|------------|------------|--|
| Calcium | 0.723 | | 0.499 | meq/L | 10 | [CALC] | 11/17/2022 | 11/18/2022 | |
| Magnesium | ND | | 0.823 | " | " | " | " | " | |
| Sodium | 0.578 | | 0.435 | " | " | " | " | " | |

PAH by 8270D SIM

| | | | | | | | | | |
|-----------------------|----------------|----------------|---------|-------|---|---------|------------|------------|--|
| 1-Methylnaphthalene | 0.0229 | 0.00549 | 0.0101 | mg/Kg | 5 | L649555 | 11/18/2022 | 11/18/2022 | |
| 2-Methylnaphthalene | 0.0204 | 0.00972 | 0.0101 | " | " | " | " | " | |
| Acenaphthene | 0.0098 | 0.00152 | 0.00335 | " | " | " | " | " | |
| Anthracene | ND | 0.00167 | 0.00335 | " | " | " | " | " | |
| Benzo(a)anthracene | ND | 0.00247 | 0.00335 | " | " | " | " | " | |
| Benzo(a)pyrene | ND | 0.00234 | 0.00335 | " | " | " | " | " | |
| Benzo(b)fluoranthene | ND | 0.00293 | 0.00335 | " | " | " | " | " | |
| Benzo(k)fluoranthene | ND | 0.00219 | 0.00335 | " | " | " | " | " | |
| Chrysene | 0.00448 | 0.00312 | 0.00335 | " | " | " | " | " | |
| Dibenz(a,h)anthracene | ND | 0.00307 | 0.00335 | " | " | " | " | " | |
| Fluoranthene | ND | 0.00197 | 0.00335 | " | " | " | " | " | |

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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 - Huntsman G #13-10

WH-FS-01@6'

11/16/2022 10:22:00AM

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

Waypoint Analytical, LLC.
Y211425-01 (Soil)

PAH by 8270D SIM

| | | | | | | | | | |
|------------------------|--------|---------|---------|-------|---|---------|------------|------------|--|
| Fluorene | 0.0224 | 0.00143 | 0.00335 | mg/Kg | 5 | L649555 | 11/18/2022 | 11/18/2022 | |
| Indeno(1,2,3-cd)pyrene | ND | 0.00314 | 0.00335 | " | " | " | " | " | |
| Naphthalene | ND | 0.0073 | 0.0101 | " | " | " | " | " | |
| Pyrene | ND | 0.00322 | 0.00335 | " | " | " | " | " | |

| | | | | | | | | | |
|-----------------------------|--------|--|--------|--|--|---|---|---|--|
| Surrogate: 2-Fluorobiphenyl | 52.3 % | | 33-115 | | | " | " | " | |
| Surrogate: 4-Terphenyl-d14 | 56.9 % | | 33-122 | | | " | " | " | |
| Surrogate: Nitrobenzene-d5 | 52 % | | 29-110 | | | " | " | " | |

pH in Soil by 9045D

| | | | | | | | | | |
|----|------|--|--|----------|---|---------|------------|------------|--|
| pH | 7.38 | | | pH Units | 1 | B2K1720 | 11/17/2022 | 11/18/2022 | |
|----|------|--|--|----------|---|---------|------------|------------|--|

SAR by 20B Saturated Paste

| | | | | | | | | | |
|-----|-------|--|--|-----|---|---------|------------|------------|--|
| SAR | 0.739 | | | SAR | 1 | B2K1710 | 11/17/2022 | 11/18/2022 | |
|-----|-------|--|--|-----|---|---------|------------|------------|--|

Specific Conductance Mod. 9050A

| | | | | | | | | | |
|---------------------------|-------|--|---------|----------|---|---------|------------|------------|--|
| Specific Conductance (EC) | 0.743 | | 0.00500 | mmhos/cm | 1 | B2K1724 | 11/17/2022 | 11/18/2022 | |
|---------------------------|-------|--|---------|----------|---|---------|------------|------------|--|

Table 915 metals by EPA 6020B

| | | | | | | | | | |
|---------|------|--|--------|-------|----|---------|------------|------------|--|
| Arsenic | 2.22 | | 0.0876 | mg/kg | 10 | B2K2931 | 11/29/2022 | 11/29/2022 | |
|---------|------|--|--------|-------|----|---------|------------|------------|--|

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 - Huntsman G #13-10

WH-FS-01@6'

11/16/2022 10:22:00AM

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

Origins Laboratory, Inc.
 Y211425-01 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | | | |
|----------|-------|--|--------|-------|----|---------|------------|------------|--|
| Barium | 74.2 | | 8.76 | mg/kg | 10 | B2K2931 | 11/29/2022 | 11/29/2022 | |
| Cadmium | 0.123 | | 0.0876 | " | " | " | " | " | |
| Copper | ND | | 8.76 | " | " | " | " | " | |
| Lead | 11.8 | | 8.76 | " | " | " | " | " | |
| Nickel | ND | | 8.76 | " | " | " | " | " | |
| Selenium | 0.125 | | 0.0876 | " | " | " | " | " | |
| Silver | ND | | 0.0876 | " | " | " | " | " | |
| Zinc | ND | | 87.6 | " | " | " | " | " | |

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 - Huntsman G #13-10

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 B2K1701 - EPA 3580 | | | | | | | | | | |
| Blank (B2K1701-BLK1) | | | | | | | | | | |
| | | | | | Prepared: 11/17/2022 Analyzed: 11/19/2022 | | | | | |
| Diesel (C10-C28) | ND | 25.0 | mg/kg | | | | | | | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | | | | | | | U |
| Surrogate: o-Terphenyl | 26 | | " | 24.9 | | 103 | 50-150 | | | |

Origins Laboratory, Inc.



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 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Huntsman G #13-10

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 B2K1701 - EPA 3580

LCS (B2K1701-BS1)

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

| | | | | | | | | | | |
|-----------------------------------|------|------|-------|------|--|-----|--------|--|--|--|
| Diesel (C10-C28) | 1010 | 50.0 | mg/kg | 1000 | | 101 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 1080 | 200 | " | 1000 | | 108 | 70-130 | | | |
| Surrogate: o-Terphenyl | 58 | | " | 49.8 | | 116 | 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 - Huntsman G #13-10

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 B2K1701 - EPA 3580

| Matrix Spike (B2K1701-MS1) | Source: Y211403-01 | | | Prepared: 11/17/2022 Analyzed: 11/17/2022 | | | | | | |
|-----------------------------------|---------------------------|------|-------|---|----|------|--------|--|--|--|
| Diesel (C10-C28) | 929 | 50.0 | mg/kg | 1000 | ND | 92.9 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 994 | 200 | " | 1000 | ND | 99.4 | 70-130 | | | |
| Surrogate: o-Terphenyl | 61 | | " | 49.8 | | 123 | 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 - Huntsman G #13-10

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 B2K1701 - EPA 3580

| Matrix Spike Dup (B2K1701-MSD1) | Source: Y211403-01 | | | Prepared: 11/17/2022 Analyzed: 11/17/2022 | | | | | | |
|--|---------------------------|------|----------|--|----|-------------|---------------|------|----|--|
| Diesel (C10-C28) | 842 | 50.0 | mg/kg | 1000 | ND | 84.2 | 70-130 | 9.81 | 35 | |
| Residual Range Organics (C28-C40) | 1050 | 200 | " | 1000 | ND | 105 | 70-130 | 5.11 | 35 | |
| <i>Surrogate: o-Terphenyl</i> | <i>50</i> | | <i>"</i> | <i>49.8</i> | | <i>99.7</i> | <i>50-150</i> | | | |

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 - Huntsman G #13-10

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 B2K1735 - EPA 5030 (soil)

Blank (B2K1735-BLK1)

Prepared: 11/17/2022 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 | 0.14 | | " | 0.125 | 109 | | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.13 | | " | 0.125 | 103 | | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.12 | | " | 0.125 | 94.0 | | 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 - Huntsman G #13-10

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 B2K1735 - EPA 5030 (soil)

LCS (B2K1735-BS1)

Prepared: 11/17/2022 Analyzed: 11/21/2022

| | | | | | | | | | | |
|----------------------------------|-------|---------|-------|-------|--|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.104 | 0.00200 | mg/kg | 0.100 | | 104 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.102 | 0.00200 | " | 0.100 | | 102 | 70-130 | | | |
| Benzene | 0.118 | 0.00200 | " | 0.100 | | 118 | 70-130 | | | |
| Ethylbenzene | 0.105 | 0.00200 | " | 0.100 | | 105 | 70-130 | | | |
| Naphthalene | 0.106 | 0.00380 | " | 0.100 | | 106 | 70-130 | | | |
| Toluene | 0.119 | 0.00200 | " | 0.100 | | 119 | 70-130 | | | |
| o-Xylene | 0.107 | 0.00200 | " | 0.100 | | 107 | 70-130 | | | |
| m,p-Xylene | 0.204 | 0.00400 | " | 0.200 | | 102 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.14 | | " | 0.125 | | 110 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.13 | | " | 0.125 | | 103 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.12 | | " | 0.125 | | 95.8 | 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 - Huntsman G #13-10

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 B2K1735 - EPA 5030 (soil)

LCS Dup (B2K1735-BSD1)

Prepared: 11/17/2022 Analyzed: 11/21/2022

| | | | | | | | | | | |
|----------------------------------|-------|---------|-------|-------|--|------|--------|-------|----|-------|
| 1,2,4-Trimethylbenzene | 0.106 | 0.00200 | mg/kg | 0.100 | | 106 | 70-130 | 1.97 | 20 | QM-10 |
| 1,3,5-Trimethylbenzene | 0.104 | 0.00200 | " | 0.100 | | 104 | 70-130 | 1.30 | 20 | QM-10 |
| Benzene | 0.116 | 0.00200 | " | 0.100 | | 116 | 70-130 | 0.872 | 20 | QM-10 |
| Ethylbenzene | 0.106 | 0.00200 | " | 0.100 | | 106 | 70-130 | 0.530 | 20 | QM-10 |
| Naphthalene | 0.110 | 0.00380 | " | 0.100 | | 110 | 70-130 | 3.76 | 20 | QM-10 |
| Toluene | 0.119 | 0.00200 | " | 0.100 | | 119 | 70-130 | 0.168 | 20 | QM-10 |
| o-Xylene | 0.108 | 0.00200 | " | 0.100 | | 108 | 70-130 | 0.744 | 20 | QM-10 |
| m,p-Xylene | 0.205 | 0.00400 | " | 0.200 | | 103 | 70-130 | 0.636 | 20 | QM-10 |
| Surrogate: 1,2-Dichloroethane-d4 | 0.13 | | " | 0.125 | | 107 | 70-130 | | | QM-10 |
| Surrogate: Toluene-d8 | 0.13 | | " | 0.125 | | 103 | 70-130 | | | QM-10 |
| Surrogate: 4-Bromofluorobenzene | 0.12 | | " | 0.125 | | 95.6 | 70-130 | | | QM-10 |

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 - Huntsman G #13-10

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

Metals by EPA 6000/7000 Series Methods - Quality Control
Origins Laboratory, Inc.

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

Batch B2K2931 - EPA 3050B

Blank (B2K2931-BLK1)

Prepared: 11/29/2022 Analyzed: 11/29/2022

| | | | | | | | | | | |
|----------|----|----------|-------|--|--|--|--|--|--|--|
| Arsenic | ND | 0.000100 | mg/kg | | | | | | | |
| Barium | ND | 0.0100 | " | | | | | | | |
| Cadmium | ND | 0.000100 | " | | | | | | | |
| Copper | ND | 0.0100 | " | | | | | | | |
| Lead | ND | 0.0100 | " | | | | | | | |
| Nickel | ND | 0.0100 | " | | | | | | | |
| Selenium | ND | 0.000100 | " | | | | | | | |
| Silver | ND | 0.000100 | " | | | | | | | |
| Zinc | ND | 0.100 | " | | | | | | | |

LCS (B2K2931-BS1)

Prepared: 11/29/2022 Analyzed: 11/29/2022

| | | | | | | | | | | |
|----------|--------|----------|-------|--------|--|------|--------|--|--|--|
| Arsenic | 0.0515 | 0.000100 | mg/kg | 0.0500 | | 103 | 80-120 | | | |
| Barium | 5.28 | 0.0100 | " | 5.00 | | 106 | 80-120 | | | |
| Cadmium | 0.0514 | 0.000100 | " | 0.0500 | | 103 | 80-120 | | | |
| Copper | 0.536 | 0.0100 | " | 0.500 | | 107 | 80-120 | | | |
| Lead | 0.0513 | 0.0100 | " | 0.0500 | | 103 | 80-120 | | | |
| Nickel | 0.0537 | 0.0100 | " | 0.0500 | | 107 | 80-120 | | | |
| Selenium | 0.0493 | 0.000100 | " | 0.0500 | | 98.5 | 80-120 | | | |
| Silver | 0.0523 | 0.000100 | " | 0.0500 | | 105 | 80-120 | | | |
| Zinc | 0.535 | 0.100 | " | 0.500 | | 107 | 80-120 | | | |

Matrix Spike (B2K2931-MS1)

Source: Y211614-01

Prepared: 11/29/2022 Analyzed: 11/29/2022

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 - Huntsman G #13-10

Metals by EPA 6000/7000 Series Methods - Quality Control
Origins Laboratory, Inc.

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

Batch B2K2931 - EPA 3050B

| Matrix Spike (B2K2931-MS1) | | Source: Y211614-01 | | | Prepared: 11/29/2022 Analyzed: 11/29/2022 | | | | | |
|-----------------------------------|------|---------------------------|-------|------|---|------|--------|--|--|-------|
| Arsenic | 11.5 | 0.0935 | mg/kg | 4.67 | 7.10 | 94.0 | 75-125 | | | |
| Barium | 536 | 9.35 | " | 467 | 121 | 88.7 | 75-125 | | | |
| Cadmium | 5.47 | 0.0935 | " | 4.67 | 0.953 | 96.7 | 75-125 | | | |
| Copper | 104 | 9.35 | " | 46.7 | 62.5 | 88.4 | 75-125 | | | |
| Lead | 63.0 | 9.35 | " | 4.67 | 64.7 | NR | 75-125 | | | QM-07 |
| Nickel | 10.7 | 9.35 | " | 4.67 | 6.17 | 96.2 | 75-125 | | | |
| Selenium | 4.19 | 0.0935 | " | 4.67 | 0.236 | 84.6 | 75-125 | | | |
| Silver | 5.07 | 0.0935 | " | 4.67 | 0.697 | 93.7 | 75-125 | | | |
| Zinc | 218 | 93.5 | " | 46.7 | 167 | 111 | 75-125 | | | |

| Matrix Spike Dup (B2K2931-MSD1) | | Source: Y211614-01 | | | Prepared: 11/29/2022 Analyzed: 11/29/2022 | | | | | |
|--|------|---------------------------|-------|------|---|------|--------|------|----|-------|
| Arsenic | 12.6 | 0.0932 | mg/kg | 4.66 | 7.10 | 118 | 75-125 | 9.13 | 20 | |
| Barium | 593 | 9.32 | " | 466 | 121 | 101 | 75-125 | 10.2 | 20 | |
| Cadmium | 5.88 | 0.0932 | " | 4.66 | 0.953 | 106 | 75-125 | 7.16 | 20 | |
| Copper | 113 | 9.32 | " | 46.6 | 62.5 | 108 | 75-125 | 8.15 | 20 | |
| Lead | 73.8 | 9.32 | " | 4.66 | 64.7 | 195 | 75-125 | 15.8 | 20 | QM-07 |
| Nickel | 11.3 | 9.32 | " | 4.66 | 6.17 | 110 | 75-125 | 5.71 | 20 | |
| Selenium | 4.61 | 0.0932 | " | 4.66 | 0.236 | 94.0 | 75-125 | 9.60 | 20 | |
| Silver | 5.58 | 0.0932 | " | 4.66 | 0.697 | 105 | 75-125 | 9.45 | 20 | |
| Zinc | 225 | 93.2 | " | 46.6 | 167 | 124 | 75-125 | 2.76 | 20 | |

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 - Huntsman G #13-10

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 B2K1706 - DTPA Sorbitol Preparation

Blank (B2K1706-BLK1)

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

Boron ND 0.100 mg/L

Duplicate (B2K1706-DUP1)

Source: Y211404-05

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

Boron ND 1.01 mg/L ND 50

Batch B2K1710 - Saturated Paste Metals

Blank (B2K1710-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 (B2K1710-DUP1)

Source: Y211410-02

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

Calcium PPM 3.25 10.0 mg/L 3.04 6.87 50

SAR 0.00 SAR 0.748 200 200

Magnesium PPM 1.40 10.0 mg/L 1.34 3.95 50

Sodium PPM 6.87 10.0 " 6.23 9.79 50

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 - Huntsman G #13-10

Saturated Paste - Quality Control
Origins Laboratory, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|---|----------|-------------|---|------|-------------|------|-----------|-------|
| Batch B2K1720 - Saturated Paste pH/EC | | | | | | | | | | |
| Duplicate (B2K1720-DUP1) | | Source: Y211410-02 | | | Prepared: 11/17/2022 Analyzed: 11/18/2022 | | | | | |
| pH | 7.41 | | pH Units | | 7.18 | | | 3.15 | 25 | |
| Batch B2K1724 - Saturated Paste pH/EC | | | | | | | | | | |
| Blank (B2K1724-BLK1) | | Prepared: 11/17/2022 Analyzed: 11/18/2022 | | | | | | | | |
| Specific Conductance (EC) | ND | 0.00500 | mmhos/cm | | | | | | | |
| Duplicate (B2K1724-DUP1) | | Source: Y211410-02 | | | Prepared: 11/17/2022 Analyzed: 11/18/2022 | | | | | |
| Specific Conductance (EC) | 0.0897 | 0.00500 | mmhos/cm | | 0.0729 | | | 20.7 | 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 - Huntsman G #13-10

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

| MS (L 92006-MS-L649555) | Source: 92006 | | | Prepared: 11/18/2022 Analyzed: 11/18/2022 | | | | | | |
|-------------------------|---------------|---------|-------|---|-----------|------|--------|--|--|--|
| 2-Methylnaphthalene | 0.0918 | 0.00201 | mg/Kg | 0.166 | <0.00194 | 55.3 | 30-130 | | | |
| Pyrene | 0.112 | 0.00067 | " | 0.166 | <0.000643 | 67.4 | 30-130 | | | |
| Benzo(a)pyrene | 0.091 | 0.00067 | " | 0.166 | <0.000468 | 54.8 | 30-130 | | | |
| 1-Methylnaphthalene | 0.0917 | 0.00201 | " | 0.166 | <0.00109 | 55.2 | 30-130 | | | |
| Acenaphthene | 0.0901 | 0.00067 | " | 0.166 | <0.000304 | 54.2 | 30-130 | | | |
| Benzo(a)anthracene | 0.0911 | 0.00067 | " | 0.166 | <0.000493 | 54.8 | 30-130 | | | |
| Naphthalene | 0.0896 | 0.00201 | " | 0.166 | <0.00145 | 53.9 | 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 - Huntsman G #13-10

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 | | | | | | |
|-----------------------------|---------------|---------|-------|---|-----------|------|--------|--|--|--|
| Benzo(b)fluoranthene | 0.0832 | 0.00067 | mg/Kg | 0.166 | <0.000585 | 50.1 | 30-130 | | | |
| Benzo(k)fluoranthene | 0.0948 | 0.00067 | " | 0.166 | <0.000437 | 57.1 | 30-130 | | | |
| Chrysene | 0.0942 | 0.00067 | " | 0.166 | <0.000624 | 56.7 | 30-130 | | | |
| Dibenz(a,h)anthracene | 0.121 | 0.00067 | " | 0.166 | <0.000614 | 72.8 | 30-130 | | | |
| Fluoranthene | 0.0968 | 0.00067 | " | 0.166 | <0.000394 | 58.3 | 30-130 | | | |
| Fluorene | 0.0931 | 0.00067 | " | 0.166 | <0.000286 | 56 | 30-130 | | | |
| Indeno(1,2,3-cd)pyrene | 0.103 | 0.00067 | " | 0.166 | <0.000627 | 62 | 30-130 | | | |
| Anthracene | 0.0881 | 0.00067 | " | 0.166 | <0.000334 | 53 | 30-130 | | | |
| Surrogate: Nitrobenzene-d5 | 56.1 | | " | 0.331 | 136 | 56.1 | 29-110 | | | |
| Surrogate: 2-Fluorobiphenyl | 53.4 | | " | 0.331 | 122 | 53.4 | 33-115 | | | |
| Surrogate: 4-Terphenyl-d14 | 73.7 | | " | 0.331 | 175 | 73.7 | 33-122 | | | |

| LCS (LCS-L649555) | Prepared: 11/18/2022 Analyzed: 11/18/2022 | | | | | | | | | |
|------------------------|---|---------|-------|-------|--|------|--------|--|--|--|
| 1-Methylnaphthalene | 0.0684 | 0.00201 | mg/Kg | 0.167 | | 40.9 | 30-130 | | | |
| Pyrene | 0.0847 | 0.00067 | " | 0.167 | | 50.7 | 30-130 | | | |
| Benzo(a)anthracene | 0.0885 | 0.00067 | " | 0.167 | | 52.9 | 30-130 | | | |
| 2-Methylnaphthalene | 0.0672 | 0.00201 | " | 0.167 | | 40.2 | 30-130 | | | |
| Anthracene | 0.103 | 0.00067 | " | 0.167 | | 61.6 | 30-130 | | | |
| Naphthalene | 0.0803 | 0.00201 | " | 0.167 | | 48 | 30-130 | | | |
| Benzo(a)pyrene | 0.0867 | 0.00067 | " | 0.167 | | 51.9 | 30-130 | | | |
| Benzo(b)fluoranthene | 0.098 | 0.00067 | " | 0.167 | | 58.6 | 30-130 | | | |
| Benzo(k)fluoranthene | 0.104 | 0.00067 | " | 0.167 | | 62.2 | 30-130 | | | |
| Chrysene | 0.0922 | 0.00067 | " | 0.167 | | 55.2 | 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 | | | |
| Dibenz(a,h)anthracene | 0.129 | 0.00067 | " | 0.167 | | 77.2 | 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 - Huntsman G #13-10

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

| | | | | | | | | | | |
|-----------------------------|--------|---------|-------|-------|--|------|--------|--|--|--|
| Acenaphthene | 0.0858 | 0.00067 | mg/Kg | 0.167 | | 51.3 | 30-130 | | | |
| Surrogate: Nitrobenzene-d5 | 42.3 | | " | 0.333 | | 42.3 | 29-110 | | | |
| Surrogate: 2-Fluorobiphenyl | 44.1 | | " | 0.333 | | 44.1 | 33-115 | | | |
| Surrogate: 4-Terphenyl-d14 | 72.9 | | " | 0.333 | | 72.9 | 33-122 | | | |

LRB (LRB-L649555)

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

| | | | | | | | | | | |
|-----------------------------|------|---------|-------|-------|--|------|--------|--|--|--|
| Pyrene | ND | 0.00067 | mg/Kg | | | | - | | | |
| Naphthalene | ND | 0.00201 | " | | | | - | | | |
| Indeno(1,2,3-cd)pyrene | ND | 0.00067 | " | | | | - | | | |
| Fluorene | ND | 0.00067 | " | | | | - | | | |
| Fluoranthene | ND | 0.00067 | " | | | | - | | | |
| Dibenz(a,h)anthracene | ND | 0.00067 | " | | | | - | | | |
| Chrysene | ND | 0.00067 | " | | | | - | | | |
| Benzo(k)fluoranthene | ND | 0.00067 | " | | | | - | | | |
| Benzo(b)fluoranthene | ND | 0.00067 | " | | | | - | | | |
| Benzo(a)anthracene | ND | 0.00067 | " | | | | - | | | |
| 1-Methylnaphthalene | ND | 0.00201 | " | | | | - | | | |
| 2-Methylnaphthalene | ND | 0.00201 | " | | | | - | | | |
| Acenaphthene | ND | 0.00067 | " | | | | - | | | |
| Anthracene | ND | 0.00067 | " | | | | - | | | |
| Benzo(a)pyrene | ND | 0.00067 | " | | | | - | | | |
| Surrogate: Nitrobenzene-d5 | 52.8 | | " | 0.333 | | 52.8 | 29-110 | | | |
| Surrogate: 2-Fluorobiphenyl | 37.2 | | " | 0.333 | | 37.2 | 33-115 | | | |
| Surrogate: 4-Terphenyl-d14 | 61.5 | | " | 0.333 | | 61.5 | 33-122 | | | |

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 - Huntsman G #13-10

Notes and Definitions

U Sample is Non-Detect.

QM-10 LCS/LCSD were analyzed in place of MS/MSD.

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 13, 2022

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Huntsman G #13-10

Project Number - [none]

Attached are your analytical results for Noble - Huntsman G #13-10 received by Origins Laboratory, Inc. November 30, 2022. This project is associated with Origins project number Y211666-01.

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 - Huntsman G #13-10

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|------------------|---------------|--------|-------------------------|------------------|
| BACKGROUND-01@2' | Y211666-01 | Soil | November 16, 2022 10:24 | 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 - Huntsman G #13-10

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

Sample Receipt Checklist

Origins Work Order: 4211066 Client: Eagle
 Checklist Completed by: CHS Client Project ID: Huntsman G #13-10
 Date/time completed: 1/13/12 Shipped Via: HD
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Airbill #: N/A
 Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____
 Cooler Number/Temperature: 1 14.6 °C / _____ °C / _____ °C (Describe) _____ °C
 Thermometer ID: T004

| Requirement Description | Yes | No | N/A | Comments (if any) |
|---|-----|----|-----|-------------------|
| If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ? | 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 HNO ₃ , HCL, H ₂ SO ₄) / (pH > 10 for samples preserved with NaAsO ₂ +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: MB (Project Manager) Date/Time Reviewed: 12-1-12

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 - Huntsman G #13-10

BACKGROUND-01@2'
11/16/2022 10:24:00AM

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

Origins Laboratory, Inc.
Y211666-01 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | | | |
|----------|-------|--------|-------|----|---------|-----|------------|------------|---|
| Arsenic | 2.43 | 0.0920 | mg/kg | 10 | B2L0515 | CIH | 12/05/2022 | 12/09/2022 | |
| Barium | 52.5 | 9.20 | " | " | " | CIH | " | " | |
| Cadmium | 0.120 | 0.0920 | " | " | " | CIH | " | " | |
| Copper | ND | 9.20 | " | " | " | CIH | " | " | U |
| Lead | ND | 9.20 | " | " | " | CIH | " | " | U |
| Nickel | ND | 9.20 | " | " | " | CIH | " | " | U |
| Selenium | 0.184 | 0.0920 | " | " | " | CIH | " | " | |
| Silver | ND | 0.0920 | " | " | " | CIH | " | " | U |
| Zinc | ND | 92.0 | " | " | " | CIH | " | " | U |

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 - Huntsman G #13-10

Metals by EPA 6000/7000 Series Methods - Quality Control
Origins Laboratory, Inc.

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

Batch B2L0515 - EPA 3050B

Blank (B2L0515-BLK1)

Prepared: 12/05/2022 Analyzed: 12/09/2022

| | | | | | | | | | | |
|----------|----|----------|-------|--|--|--|--|--|--|---|
| Arsenic | ND | 0.000100 | mg/kg | | | | | | | U |
| Barium | ND | 0.0100 | " | | | | | | | U |
| Cadmium | ND | 0.000100 | " | | | | | | | U |
| Copper | ND | 0.0100 | " | | | | | | | U |
| Lead | ND | 0.0100 | " | | | | | | | U |
| Nickel | ND | 0.0100 | " | | | | | | | U |
| Selenium | ND | 0.000100 | " | | | | | | | U |
| Silver | ND | 0.000100 | " | | | | | | | U |
| Zinc | ND | 0.100 | " | | | | | | | U |

LCS (B2L0515-BS1)

Prepared: 12/05/2022 Analyzed: 12/09/2022

| | | | | | | | | | | |
|----------|--------|----------|-------|--------|--|------|--------|--|--|--|
| Arsenic | 0.0487 | 0.000100 | mg/kg | 0.0500 | | 97.4 | 80-120 | | | |
| Barium | 4.93 | 0.0100 | " | 5.00 | | 98.6 | 80-120 | | | |
| Cadmium | 0.0531 | 0.000100 | " | 0.0500 | | 106 | 80-120 | | | |
| Copper | 0.531 | 0.0100 | " | 0.500 | | 106 | 80-120 | | | |
| Lead | 0.0526 | 0.0100 | " | 0.0500 | | 105 | 80-120 | | | |
| Nickel | 0.0535 | 0.0100 | " | 0.0500 | | 107 | 80-120 | | | |
| Selenium | 0.0466 | 0.000100 | " | 0.0500 | | 93.2 | 80-120 | | | |
| Silver | 0.0557 | 0.000100 | " | 0.0500 | | 111 | 80-120 | | | |
| Zinc | 0.499 | 0.100 | " | 0.500 | | 99.8 | 80-120 | | | |

Matrix Spike (B2L0515-MS1)

Source: Y211669-01

Prepared: 12/05/2022 Analyzed: 12/09/2022

| | | | | | | | | | | |
|---------|------|--------|-------|------|-------|------|--------|--|--|-------|
| Arsenic | 8.74 | 0.0974 | mg/kg | 4.87 | 4.44 | 88.2 | 75-125 | | | |
| Barium | 577 | 9.74 | " | 487 | 118 | 94.3 | 75-125 | | | |
| Cadmium | 5.43 | 0.0974 | " | 4.87 | 0.351 | 104 | 75-125 | | | |
| Copper | 65.3 | 9.74 | " | 48.7 | 17.7 | 97.8 | 75-125 | | | |
| Lead | 29.3 | 9.74 | " | 4.87 | 20.3 | 185 | 75-125 | | | QM-07 |

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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 - Huntsman G #13-10

Metals by EPA 6000/7000 Series Methods - Quality Control
Origins Laboratory, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----------------|---------------------------|-------------|---------------|---|-------------|------|-----------|-------|
| Batch B2L0515 - EPA 3050B | | | | | | | | | | |
| Matrix Spike (B2L0515-MS1) | | | Source: Y211669-01 | | | Prepared: 12/05/2022 Analyzed: 12/09/2022 | | | | |
| Nickel | 17.9 | 9.74 | mg/kg | 4.87 | 14.4 | 71.4 | 75-125 | | | QM-07 |
| Selenium | 4.62 | 0.0974 | " | 4.87 | 0.438 | 85.9 | 75-125 | | | |
| Silver | 5.28 | 0.0974 | " | 4.87 | 0.0666 | 107 | 75-125 | | | |
| Zinc | 112 | 97.4 | " | 48.7 | 64.3 | 98.8 | 75-125 | | | |
| Matrix Spike Dup (B2L0515-MSD1) | | | Source: Y211669-01 | | | Prepared: 12/05/2022 Analyzed: 12/09/2022 | | | | |
| Arsenic | 8.55 | 0.0901 | mg/kg | 4.50 | 4.44 | 91.1 | 75-125 | 2.21 | 20 | |
| Barium | 561 | 9.01 | " | 450 | 118 | 98.4 | 75-125 | 2.78 | 20 | |
| Cadmium | 5.05 | 0.0901 | " | 4.50 | 0.351 | 104 | 75-125 | 7.23 | 20 | |
| Copper | 62.0 | 9.01 | " | 45.0 | 17.7 | 98.3 | 75-125 | 5.27 | 20 | |
| Lead | 26.3 | 9.01 | " | 4.50 | 20.3 | 133 | 75-125 | 10.9 | 20 | QM-07 |
| Nickel | 18.2 | 9.01 | " | 4.50 | 14.4 | 83.6 | 75-125 | 1.61 | 20 | |
| Selenium | 4.48 | 0.0901 | " | 4.50 | 0.438 | 89.8 | 75-125 | 3.04 | 20 | |
| Silver | 4.91 | 0.0901 | " | 4.50 | 0.0666 | 108 | 75-125 | 7.16 | 20 | |
| Zinc | 111 | 90.1 | " | 45.0 | 64.3 | 104 | 75-125 | 1.05 | 20 | |

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Martin C Eckert III
Project Number: [none]
Project: Noble - Huntsman G #13-10

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 at a wet weight basis.

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Jordan A. Bynon, Project Manager