



December 11, 2023

Eagle Environmental Consulting, LLC

Andrew Newberry

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Huntsman G #13-9

Project Number - [none]

Attached are your analytical results for Noble - Huntsman G #13-9 received by Origins Laboratory, Inc. November 17, 2023. This project is associated with Origins project number Y311467-01.

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

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

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

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

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

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





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

Andrew Newberry
Project Number: [none]
Project: Noble - Huntsman G #13-9

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-------------|---------------|--------|-------------------------|------------------|
| WH-FS-01@6' | Y311467-01 | Soil | November 17, 2023 12:36 | 11/17/2023 14:20 |

Origins Laboratory, Inc.

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Jordan A. Bynon, Project Manager

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Huntsman G #13-9

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 page 1 of 1

ORIGINS
 LABORATORY, INC


Client: EMILIA JENSEN
 Project Manager: ANDREW NEWBERRY
 Project Name: HUNTSMAN G #13-9
 Project Number:
 Samples Collected By:

Address:
 Telephone Number:
 Email Address:

FX: 303.265.6744 Phone: 303.433.1322 Denver, CO 80211

| Sample ID Description | Date Sampled | Time Sampled | # of Containers | Preservative | | | Matrix | | | Analysis | Sample Instructions | Date | Time | Turnaround Time |
|-----------------------|--------------|--------------|-----------------|--------------|------------------|-------|-------------|------|-----------|----------|---------------------|------|------|-----------------|
| | | | | HCl | HNO ₃ | Other | Groundwater | Soil | At Summit | | | | | |
| 1 | 11/11/23 | 1400 | 3 | | | | | | | | | | | |
| 2 | 11/11/23 | 1400 | 3 | | | | | | | | | | | |
| 3 | 11/11/23 | 1400 | 3 | | | | | | | | | | | |
| 4 | 11/11/23 | 1400 | 3 | | | | | | | | | | | |
| 5 | 11/11/23 | 1400 | 3 | | | | | | | | | | | |
| 6 | 11/11/23 | 1400 | 3 | | | | | | | | | | | |
| 7 | 11/11/23 | 1400 | 3 | | | | | | | | | | | |
| 8 | 11/11/23 | 1400 | 3 | | | | | | | | | | | |
| 9 | 11/11/23 | 1400 | 3 | | | | | | | | | | | |
| 10 | 11/11/23 | 1400 | 3 | | | | | | | | | | | |

Temp Received:
 Date Received:
 Date Results Needed:

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ORIGINS

LABORATORY, INC

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Huntsman G #13-9

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

Origins Work Order: 4311467 Sample Receipt Checklist

Client: Eagle
 Client Project ID: Huntsman G #13-9

Checklist Completed by: EHS/ADW Shipped Via: HO
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 11/19/13 Airbill #: N/A

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

Cooler Number/Temperature: 127 °C _____ °C _____ °C _____ °C


Thermometer ID: 1004

| Requirement Description | Yes | No | N/A | Comments (if any) |
|---|-------------------------------------|--------------------------|--------------------------|-------------------|
| If samples require cooling, was the temperature between 0°C to ≤ 5°C ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <u>SD</u> |
| Is there ice present (document if blue ice is used)? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Were all samples received intact ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Was adequate sample volume provided ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Is a chain of custody (COC) present and filled out completely ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| For volatiles in water - Is there headspace (> 1/4 inch bubble) present? If yes, contact client and note in narrative. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not certified for subsampled analytes 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 ₂ -NaOH) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Additional Comments (if any): | | | | |

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

Reviewed by (Project Manager) [Signature]

Date/Time Reviewed 11/20/13

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Huntsman G #13-9

WH-FS-01@6'
11/17/2023 12:36:00PM

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

Origins Laboratory, Inc.
Y311467-01 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|-------|--|-------|------|---|---------|------------|------------|--|
| Boron | 0.133 | | 0.100 | mg/L | 1 | B3K2012 | 11/20/2023 | 11/21/2023 | |
|-------|-------|--|-------|------|---|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|----|--|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | | 25.0 | mg/kg | 1 | B3K2001 | 11/20/2023 | 11/21/2023 | U |
| Residual Range Organics (C28-C40) | ND | | 100 | " | " | " | " | " | U |

| | | | | | | | | | |
|------------------------|------|--|--------|---|---|---|---|---|--|
| Surrogate: o-Terphenyl | 101% | | 50-150 | " | " | " | " | " | |
|------------------------|------|--|--------|---|---|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|----|--|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | | 0.00200 | mg/kg | 1 | B3K1724 | 11/17/2023 | 11/19/2023 | U |
| 1,3,5-Trimethylbenzene | ND | | 0.00200 | " | " | " | " | " | U |
| Benzene | ND | | 0.00200 | " | " | " | " | " | U |
| Ethylbenzene | ND | | 0.00200 | " | " | " | " | " | U |
| Naphthalene | ND | | 0.00380 | " | " | " | " | " | U |
| Toluene | ND | | 0.00200 | " | " | " | " | " | U |
| Xylenes, total | ND | | 0.00200 | " | " | " | " | " | U |
| Gasoline Range Hydrocarbons | ND | | 0.200 | " | " | " | " | " | U |

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 11/17/2023 12:36:00PM

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

Origins Laboratory, Inc.
Y311467-01 (Soil)

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|----------------------------------|--------|--|--------|--|--|-------------|------------|------------|--|
| Surrogate: 1,2-Dichloroethane-d4 | 97.6 % | | 70-130 | | | B3K17 24 | 11/17/2023 | 11/19/2023 | |
| Surrogate: Toluene-d8 | 91.7 % | | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 92.7 % | | 70-130 | | | " | " | " | |

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|-----------|-------|--|-------|-------|----|--------|------------|------------|--|
| Calcium | 0.772 | | 0.499 | meq/L | 10 | [CALC] | 11/18/2023 | 11/20/2023 | |
| Magnesium | 0.871 | | 0.823 | " | " | " | " | " | |
| Sodium | 2.30 | | 0.435 | " | " | " | " | " | |

PAH by EPA 8270E

| | | | | | | | | | |
|-------------------------|----|--|-------|-------|---|---------|------------|------------|---|
| 1-Methylnaphthalene | ND | | 0.002 | mg/kg | 1 | B3K2029 | 11/20/2023 | 11/23/2023 | U |
| 2-Methylnaphthalene | ND | | 0.002 | " | " | " | " | " | U |
| Acenaphthene | ND | | 0.020 | " | " | " | " | " | U |
| Anthracene | ND | | 0.020 | " | " | " | " | " | U |
| Benzo (a) anthracene | ND | | 0.005 | " | " | " | " | " | U |
| Benzo (a) pyrene | ND | | 0.020 | " | " | " | " | " | U |
| Benzo (b) fluoranthene | ND | | 0.020 | " | " | " | " | " | U |
| Benzo (k) fluoranthene | ND | | 0.020 | " | " | " | " | " | U |
| Chrysene | ND | | 0.020 | " | " | " | " | " | U |
| Dibenz (a,h) anthracene | ND | | 0.020 | " | " | " | " | " | U |

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WH-FS-01@6'
11/17/2023 12:36:00PM

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

Origins Laboratory, Inc.
Y311467-01 (Soil)

PAH by EPA 8270E

| | | | | | | | | | |
|--------------------------|----|--|-------|-------|---|---------|------------|------------|---|
| Fluoranthene | ND | | 0.020 | mg/kg | 1 | B3K2029 | 11/20/2023 | 11/23/2023 | U |
| Fluorene | ND | | 0.020 | " | " | " | " | " | U |
| Indeno (1,2,3-cd) pyrene | ND | | 0.020 | " | " | " | " | " | U |
| Pyrene | ND | | 0.020 | " | " | " | " | " | U |

| | | | | | | | | | |
|---------------------------------|--------|--|--------|--|--|---|---|---|--|
| Surrogate: Fluorene-d10 | 103 % | | 60-130 | | | " | " | " | |
| Surrogate: Anthracene-d10 | 87.5 % | | 60-130 | | | " | " | " | |
| Surrogate: Pyrene-d10 | 96.5 % | | 60-130 | | | " | " | " | |
| Surrogate: Benzo (a) pyrene-d12 | 99.5 % | | 60-130 | | | " | " | " | |

pH in Soil by 9045D

| | | | | | | | | | |
|----|------|--|--|----------|---|---------|------------|------------|--|
| pH | 8.41 | | | pH Units | 1 | B3K1805 | 11/18/2023 | 11/20/2023 | |
|----|------|--|--|----------|---|---------|------------|------------|--|

SAR by 20B Saturated Paste

| | | | | | | | | | |
|-----|------|--|--------|-----|---|---------|------------|------------|--|
| SAR | 2.54 | | 0.0100 | SAR | 1 | B3K1802 | 11/18/2023 | 11/20/2023 | |
|-----|------|--|--------|-----|---|---------|------------|------------|--|

Specific Conductance Mod. 9050A

| | | | | | | | | | |
|---------------------------|-------|--|---------|----------|---|---------|------------|------------|--|
| Specific Conductance (EC) | 0.402 | | 0.00500 | mmhos/cm | 1 | B3K1805 | 11/18/2023 | 11/20/2023 | |
|---------------------------|-------|--|---------|----------|---|---------|------------|------------|--|

Table 915 metals by EPA 6020B

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WH-FS-01@6'
11/17/2023 12:36:00PM

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

Origins Laboratory, Inc.
Y311467-01 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | | | |
|----------|--------|--|----------|-------|----|---------|------------|------------|--|
| Arsenic | 4.95 | | 0.000979 | mg/kg | 10 | B3K2712 | 11/27/2023 | 11/29/2023 | |
| Barium | 79.9 | | 0.0979 | " | " | " | " | " | |
| Cadmium | 0.163 | | 0.000979 | " | " | " | " | " | |
| Copper | 4.81 | | 0.0979 | " | " | " | " | " | |
| Lead | 7.66 | | 0.0979 | " | " | " | " | " | |
| Nickel | 10.1 | | 0.0979 | " | " | " | " | " | |
| Selenium | 0.138 | | 0.000979 | " | " | " | " | " | |
| Silver | 0.0215 | | 0.000979 | " | " | " | " | " | |
| Zinc | 31.9 | | 0.979 | " | " | " | " | " | |

Total Metals by 7196A

| | | | | | | | | | |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|--|
| Chromium, Hexavalent | ND | 0.244 | 0.5 | mg/Kg | 1 | L718583 | 11/17/2023 | 11/22/2023 | |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|--|

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 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - Huntsman G #13-9

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 B3K1724 - EPA 5030 (soil)

Prepared: 11/17/2023 Analyzed: 11/18/2023

Blank (B3K1724-BLK1)

| | | | | | | | | | | |
|----------------------------------|-------|---------|-------|-------|--|------|--------|--|--|---|
| 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 | 0.091 | | " | 0.125 | | 73.0 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 92.4 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.11 | | " | 0.125 | | 90.4 | 70-130 | | | |

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Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

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

Batch B3K1724 - EPA 5030 (soil)

LCS (B3K1724-BS1)

Prepared: 11/17/2023 Analyzed: 11/18/2023

| | | | | | | | | | | |
|----------------------------------|--------|---------|-------|-------|--|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.100 | 0.00200 | mg/kg | 0.100 | | 100 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.101 | 0.00200 | " | 0.100 | | 101 | 70-130 | | | |
| Benzene | 0.0988 | 0.00200 | " | 0.100 | | 98.8 | 70-130 | | | |
| Ethylbenzene | 0.0972 | 0.00200 | " | 0.100 | | 97.2 | 70-130 | | | |
| Naphthalene | 0.113 | 0.00380 | " | 0.100 | | 113 | 70-130 | | | |
| Toluene | 0.0926 | 0.00200 | " | 0.100 | | 92.6 | 70-130 | | | |
| o-Xylene | 0.101 | 0.00200 | " | 0.100 | | 101 | 70-130 | | | |
| m,p-Xylene | 0.192 | 0.00400 | " | 0.200 | | 95.8 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.093 | | " | 0.125 | | 74.1 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.11 | | " | 0.125 | | 91.8 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.11 | | " | 0.125 | | 90.3 | 70-130 | | | |

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Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

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

Batch B3K1724 - EPA 5030 (soil)

Matrix Spike (B3K1724-MS1)

Source: Y311436-01

Prepared: 11/17/2023 Analyzed: 11/18/2023

| | | | | | | | | | | |
|----------------------------------|--------|---------|-------|-------|---------|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.0875 | 0.00200 | mg/kg | 0.100 | ND | 87.5 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0878 | 0.00200 | " | 0.100 | ND | 87.8 | 70-130 | | | |
| Benzene | 0.0852 | 0.00200 | " | 0.100 | ND | 85.2 | 70-130 | | | |
| Ethylbenzene | 0.0865 | 0.00200 | " | 0.100 | ND | 86.5 | 70-130 | | | |
| Naphthalene | 0.0961 | 0.00380 | " | 0.100 | 0.00144 | 94.7 | 70-130 | | | |
| Toluene | 0.0807 | 0.00200 | " | 0.100 | ND | 80.7 | 70-130 | | | |
| o-Xylene | 0.0791 | 0.00200 | " | 0.100 | ND | 79.1 | 70-130 | | | |
| m,p-Xylene | 0.160 | 0.00400 | " | 0.200 | ND | 79.8 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.092 | | " | 0.125 | | 73.3 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.11 | | " | 0.125 | | 92.0 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.11 | | " | 0.125 | | 91.9 | 70-130 | | | |

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Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

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

Batch B3K1724 - EPA 5030 (soil)

Matrix Spike Dup (B3K1724-MSD1)

Source: Y311436-01

Prepared: 11/17/2023 Analyzed: 11/18/2023

| | | | | | | | | | | |
|----------------------------------|--------|---------|-------|-------|---------|------|--------|--------|----|--|
| 1,2,4-Trimethylbenzene | 0.0882 | 0.00200 | mg/kg | 0.100 | ND | 88.2 | 70-130 | 0.797 | 20 | |
| 1,3,5-Trimethylbenzene | 0.0879 | 0.00200 | " | 0.100 | ND | 87.9 | 70-130 | 0.0455 | 20 | |
| Benzene | 0.0880 | 0.00200 | " | 0.100 | ND | 88.0 | 70-130 | 3.26 | 20 | |
| Ethylbenzene | 0.0876 | 0.00200 | " | 0.100 | ND | 87.6 | 70-130 | 1.29 | 20 | |
| Naphthalene | 0.101 | 0.00380 | " | 0.100 | 0.00144 | 99.5 | 70-130 | 4.89 | 20 | |
| Toluene | 0.0842 | 0.00200 | " | 0.100 | ND | 84.2 | 70-130 | 4.27 | 20 | |
| o-Xylene | 0.0798 | 0.00200 | " | 0.100 | ND | 79.8 | 70-130 | 0.906 | 20 | |
| m,p-Xylene | 0.161 | 0.00400 | " | 0.200 | ND | 80.5 | 70-130 | 0.861 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.094 | | " | 0.125 | | 74.9 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 92.5 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.11 | | " | 0.125 | | 90.6 | 70-130 | | | |

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.

Jordan A. Bynon, Project Manager



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Huntsman G #13-9

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 B3K2001 - EPA 3550B

Blank (B3K2001-BLK1)

Prepared: 11/20/2023 Analyzed: 11/21/2023

| | | | | | | | | | | |
|-----------------------------------|----|------|-------|------|--|-----|--------|--|--|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | | | | | | | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | | | | | | | U |
| Surrogate: o-Terphenyl | 25 | | " | 24.9 | | 102 | 50-150 | | | |

Origins Laboratory, Inc.

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Jordan A. Bynon, Project Manager



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Huntsman G #13-9

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 B3K2001 - EPA 3550B

LCS (B3K2001-BS1)

Prepared: 11/20/2023 Analyzed: 11/21/2023

| | | | | | | |
|-----------------------------------|------|------|-------|------|------|--------|
| Diesel (C10-C28) | 1000 | 50.0 | mg/kg | 1000 | 100 | 70-130 |
| Residual Range Organics (C28-C40) | 986 | 200 | " | 1000 | 98.6 | 70-130 |
| Surrogate: o-Terphenyl | 58 | " | " | 49.8 | 116 | 50-150 |

Origins Laboratory, Inc.

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Jordan A. Bynon, Project Manager



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Huntsman G #13-9

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 B3K2001 - EPA 3550B

Matrix Spike (B3K2001-MS1)

Source: Y311466-01

Prepared: 11/20/2023 Analyzed: 11/21/2023

| | | | | | | | | | | |
|-----------------------------------|-----|------|-------|------|----|------|--------|--|--|--|
| Diesel (C10-C28) | 915 | 50.0 | mg/kg | 1000 | ND | 91.5 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 888 | 200 | " | 1000 | ND | 88.8 | 70-130 | | | |
| Surrogate: o-Terphenyl | 52 | | " | 49.8 | | 105 | 50-150 | | | |

Origins Laboratory, Inc.

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Jordan A. Bynon, Project Manager



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Huntsman G #13-9

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 B3K2001 - EPA 3550B

Matrix Spike Dup (B3K2001-MSD1)

Source: Y311466-01

Prepared: 11/20/2023 Analyzed: 11/21/2023

| | | | | | | | | | | |
|-----------------------------------|-----|------|-------|------|----|------|--------|-------|----|--|
| Diesel (C10-C28) | 922 | 50.0 | mg/kg | 1000 | ND | 92.2 | 70-130 | 0.787 | 35 | |
| Residual Range Organics (C28-C40) | 886 | 200 | " | 1000 | ND | 88.6 | 70-130 | 0.188 | 35 | |
| Surrogate: o-Terphenyl | 52 | | " | 49.8 | | 105 | 50-150 | | | |

Origins Laboratory, Inc.

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Jordan A. Bynon, Project Manager



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Huntsman G #13-9

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

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 B3K2712 - EPA 3050B

Blank (B3K2712-BLK1)

Prepared: 11/27/2023 Analyzed: 11/29/2023

| | | | | | | | | | | |
|----------|----|--------|-------|--|--|--|--|--|--|--|
| Arsenic | ND | 0.0100 | mg/kg | | | | | | | |
| Barium | ND | 1.00 | " | | | | | | | |
| Cadmium | ND | 0.0100 | " | | | | | | | |
| Copper | ND | 1.00 | " | | | | | | | |
| Lead | ND | 1.00 | " | | | | | | | |
| Nickel | ND | 0.100 | " | | | | | | | |
| Selenium | ND | 0.0100 | " | | | | | | | |
| Silver | ND | 0.0100 | " | | | | | | | |
| Zinc | ND | 1.00 | " | | | | | | | |

LCS (B3K2712-BS1)

Prepared: 11/27/2023 Analyzed: 12/06/2023

| | | | | | | | | | | |
|----------|------|--------|-------|------|--|------|--------|--|--|--|
| Arsenic | 5.11 | 0.0100 | mg/kg | 5.00 | | 102 | 80-120 | | | |
| Barium | 529 | 1.00 | " | 500 | | 106 | 80-120 | | | |
| Cadmium | 5.13 | 0.0100 | " | 5.00 | | 103 | 80-120 | | | |
| Copper | 54.6 | 1.00 | " | 50.0 | | 109 | 80-120 | | | |
| Lead | 4.96 | 1.00 | " | 5.00 | | 99.3 | 80-120 | | | |
| Nickel | 5.30 | 0.100 | " | 5.00 | | 106 | 80-120 | | | |
| Selenium | 4.46 | 0.0100 | " | 5.00 | | 89.2 | 80-120 | | | |
| Silver | 5.22 | 0.0100 | " | 5.00 | | 104 | 80-120 | | | |
| Zinc | 50.9 | 1.00 | " | 50.0 | | 102 | 80-120 | | | |

Matrix Spike (B3K2712-MS1)

Source: Y311466-01

Prepared: 11/27/2023 Analyzed: 11/29/2023

Origins Laboratory, Inc.

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Jordan A. Bynon, Project Manager



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Huntsman G #13-9

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 B3K2712 - EPA 3050B

Matrix Spike (B3K2712-MS1)

Source: Y311466-01

Prepared: 11/27/2023 Analyzed: 11/29/2023

| | | | | | | | | | | |
|----------|------|--------|-------|------|--------|------|--------|--|--|-------|
| Arsenic | 8.54 | 0.0923 | mg/kg | 4.62 | 1.92 | 143 | 75-125 | | | QM-07 |
| Barium | 564 | 9.23 | " | 462 | 41.1 | 113 | 75-125 | | | |
| Cadmium | 4.51 | 0.0923 | " | 4.62 | 0.0446 | 96.8 | 75-125 | | | |
| Copper | 50.4 | 9.23 | " | 46.2 | 2.37 | 104 | 75-125 | | | |
| Lead | 11.4 | 9.23 | " | 4.62 | 3.30 | 175 | 75-125 | | | QM-07 |
| Nickel | 9.77 | 0.923 | " | 4.62 | 3.74 | 131 | 75-125 | | | QM-07 |
| Selenium | 4.22 | 0.0923 | " | 4.62 | 0.0670 | 89.9 | 75-125 | | | |
| Silver | 4.58 | 0.0923 | " | 4.62 | 0.0152 | 98.9 | 75-125 | | | |
| Zinc | 60.7 | 9.23 | " | 46.2 | 12.6 | 104 | 75-125 | | | |

Matrix Spike Dup (B3K2712-MSD1)

Source: Y311466-01

Prepared: 11/27/2023 Analyzed: 11/29/2023

| | | | | | | | | | | |
|----------|------|--------|-------|------|--------|------|--------|------|----|--------|
| Arsenic | 6.16 | 0.0906 | mg/kg | 4.53 | 1.92 | 93.4 | 75-125 | 32.5 | 20 | QR-DUP |
| Barium | 506 | 9.06 | " | 453 | 41.1 | 103 | 75-125 | 10.8 | 20 | |
| Cadmium | 3.96 | 0.0906 | " | 4.53 | 0.0446 | 86.4 | 75-125 | 13.1 | 20 | |
| Copper | 47.9 | 9.06 | " | 45.3 | 2.37 | 100 | 75-125 | 5.19 | 20 | |
| Lead | 7.46 | 9.06 | " | 4.53 | 3.30 | 91.8 | 75-125 | 41.4 | 20 | QR-DUP |
| Nickel | 7.69 | 0.906 | " | 4.53 | 3.74 | 87.2 | 75-125 | 23.9 | 20 | QR-DUP |
| Selenium | 3.77 | 0.0906 | " | 4.53 | 0.0670 | 81.7 | 75-125 | 11.1 | 20 | |
| Silver | 4.02 | 0.0906 | " | 4.53 | 0.0152 | 88.3 | 75-125 | 13.1 | 20 | |
| Zinc | 49.7 | 9.06 | " | 45.3 | 12.6 | 81.9 | 75-125 | 20.0 | 20 | |

Origins Laboratory, Inc.

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Jordan A. Bynon, Project Manager



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Huntsman G #13-9

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

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

Batch B3K2029 - EPA 3580

Prepared: 11/20/2023 Analyzed: 11/23/2023

Blank (B3K2029-BLK1)

| | | | | | | | | | | |
|---------------------------------|-----|-------|-------|-----|--|------|--------|--|--|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | | | | | | | U |
| 2-Methylnaphthalene | ND | 0.002 | " | | | | | | | U |
| Acenaphthene | ND | 0.020 | " | | | | | | | U |
| Anthracene | ND | 0.020 | " | | | | | | | U |
| Benzo (a) anthracene | ND | 0.005 | " | | | | | | | U |
| Benzo (a) pyrene | ND | 0.020 | " | | | | | | | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | | | | | | | U |
| Benzo (g,h,i) perylene | ND | 0.020 | " | | | | | | | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | | | | | | | U |
| Chrysene | ND | 0.020 | " | | | | | | | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | | | | | | | U |
| Fluoranthene | ND | 0.020 | " | | | | | | | U |
| Fluorene | ND | 0.020 | " | | | | | | | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | | | | | | | U |
| Naphthalene | ND | 0.002 | " | | | | | | | U |
| Phenanthrene | ND | 0.020 | " | | | | | | | U |
| Pyrene | ND | 0.020 | " | | | | | | | U |
| Surrogate: Fluorene-d10 | 210 | | ug/kg | 200 | | 103 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 180 | | " | 200 | | 89.3 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 200 | | " | 200 | | 97.6 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 200 | | " | 200 | | 98.8 | 60-130 | | | |

Prepared: 11/20/2023 Analyzed: 11/23/2023

LCS (B3K2029-BS1)

| | | | | | | | | | | |
|---------------------|-------|-------|-------|-------|--|------|--------|--|--|--|
| 1-Methylnaphthalene | 0.202 | 0.002 | mg/kg | 0.200 | | 101 | 70-130 | | | |
| 2-Methylnaphthalene | 0.196 | 0.002 | " | 0.200 | | 98.1 | 70-130 | | | |
| Acenaphthene | 0.204 | 0.020 | " | 0.200 | | 102 | 70-130 | | | |
| Anthracene | 0.163 | 0.020 | " | 0.200 | | 81.3 | 70-130 | | | |

Origins Laboratory, Inc.

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Jordan A. Bynon, Project Manager



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Huntsman G #13-9

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

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

Batch B3K2029 - EPA 3580

LCS (B3K2029-BS1)

Prepared: 11/20/2023 Analyzed: 11/23/2023

| | | | | | | | | | | |
|---------------------------------|-------|-------|-------|-------|--|------|--------|--|--|--|
| Benzo (a) anthracene | 0.169 | 0.005 | mg/kg | 0.200 | | 84.7 | 70-130 | | | |
| Benzo (a) pyrene | 0.201 | 0.020 | " | 0.200 | | 101 | 70-130 | | | |
| Benzo (b) fluoranthene | 0.203 | 0.020 | " | 0.200 | | 102 | 70-130 | | | |
| Benzo (g,h,i) perylene | 0.202 | 0.020 | " | 0.200 | | 101 | 70-130 | | | |
| Benzo (k) fluoranthene | 0.192 | 0.020 | " | 0.200 | | 96.0 | 70-130 | | | |
| Chrysene | 0.196 | 0.020 | " | 0.200 | | 98.0 | 70-130 | | | |
| Dibenz (a,h) anthracene | 0.191 | 0.020 | " | 0.200 | | 95.4 | 70-130 | | | |
| Fluoranthene | 0.177 | 0.020 | " | 0.200 | | 88.6 | 70-130 | | | |
| Fluorene | 0.201 | 0.020 | " | 0.200 | | 100 | 70-130 | | | |
| Indeno (1,2,3-cd) pyrene | 0.236 | 0.020 | " | 0.200 | | 118 | 70-130 | | | |
| Naphthalene | 0.208 | 0.002 | " | 0.200 | | 104 | 70-130 | | | |
| Phenanthrene | 0.188 | 0.020 | " | 0.200 | | 93.8 | 70-130 | | | |
| Pyrene | 0.191 | 0.020 | " | 0.200 | | 95.5 | 70-130 | | | |
| Surrogate: Fluorene-d10 | 190 | | ug/kg | 200 | | 97.4 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 170 | | " | 200 | | 86.5 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 190 | | " | 200 | | 97.1 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 200 | | " | 200 | | 98.1 | 60-130 | | | |

Matrix Spike (B3K2029-MS1)

Source: Y311455-01

Prepared: 11/20/2023 Analyzed: 11/23/2023

| | | | | | | | | | | |
|------------------------|-------|-------|-------|-------|----|------|--------|--|--|--|
| 1-Methylnaphthalene | 0.211 | 0.002 | mg/kg | 0.200 | ND | 106 | 70-130 | | | |
| 2-Methylnaphthalene | 0.206 | 0.002 | " | 0.200 | ND | 103 | 70-130 | | | |
| Acenaphthene | 0.203 | 0.020 | " | 0.200 | ND | 101 | 70-130 | | | |
| Anthracene | 0.165 | 0.020 | " | 0.200 | ND | 82.6 | 70-130 | | | |
| Benzo (a) anthracene | 0.167 | 0.005 | " | 0.200 | ND | 83.6 | 70-130 | | | |
| Benzo (a) pyrene | 0.200 | 0.020 | " | 0.200 | ND | 100 | 70-130 | | | |
| Benzo (b) fluoranthene | 0.196 | 0.020 | " | 0.200 | ND | 98.2 | 70-130 | | | |
| Benzo (g,h,i) perylene | 0.220 | 0.020 | " | 0.200 | ND | 110 | 70-130 | | | |

Origins Laboratory, Inc.

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Jordan A. Bynon, Project Manager

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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Huntsman G #13-9

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

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

Batch B3K2029 - EPA 3580

Matrix Spike (B3K2029-MS1)

Source: Y311455-01

Prepared: 11/20/2023 Analyzed: 11/23/2023

| | | | | | | | | | | |
|---------------------------------|-------|-------|-------|-------|----|------|--------|--|--|--|
| Benzo (k) fluoranthene | 0.193 | 0.020 | mg/kg | 0.200 | ND | 96.5 | 70-130 | | | |
| Chrysene | 0.193 | 0.020 | " | 0.200 | ND | 96.4 | 70-130 | | | |
| Dibenz (a,h) anthracene | 0.194 | 0.020 | " | 0.200 | ND | 97.2 | 70-130 | | | |
| Fluoranthene | 0.201 | 0.020 | " | 0.200 | ND | 100 | 70-130 | | | |
| Fluorene | 0.211 | 0.020 | " | 0.200 | ND | 105 | 70-130 | | | |
| Indeno (1,2,3-cd) pyrene | 0.168 | 0.020 | " | 0.200 | ND | 84.1 | 70-130 | | | |
| Naphthalene | 0.211 | 0.002 | " | 0.200 | ND | 105 | 70-130 | | | |
| Phenanthrene | 0.189 | 0.020 | " | 0.200 | ND | 94.3 | 70-130 | | | |
| Pyrene | 0.179 | 0.020 | " | 0.200 | ND | 89.5 | 70-130 | | | |
| Surrogate: Fluorene-d10 | 200 | | ug/kg | 200 | | 102 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 170 | | " | 200 | | 86.9 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 180 | | " | 200 | | 90.7 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 200 | | " | 200 | | 100 | 60-130 | | | |

Matrix Spike Dup (B3K2029-MSD1)

Source: Y311455-01

Prepared: 11/20/2023 Analyzed: 11/23/2023

| | | | | | | | | | | |
|-------------------------|-------|-------|-------|-------|----|------|--------|-------|----|--|
| 1-Methylnaphthalene | 0.205 | 0.002 | mg/kg | 0.200 | ND | 102 | 70-130 | 3.17 | 20 | |
| 2-Methylnaphthalene | 0.203 | 0.002 | " | 0.200 | ND | 102 | 70-130 | 1.62 | 20 | |
| Acenaphthene | 0.205 | 0.020 | " | 0.200 | ND | 102 | 70-130 | 0.822 | 20 | |
| Anthracene | 0.160 | 0.020 | " | 0.200 | ND | 80.1 | 70-130 | 3.10 | 20 | |
| Benzo (a) anthracene | 0.181 | 0.005 | " | 0.200 | ND | 90.6 | 70-130 | 8.07 | 20 | |
| Benzo (a) pyrene | 0.200 | 0.020 | " | 0.200 | ND | 100 | 70-130 | 0.229 | 20 | |
| Benzo (b) fluoranthene | 0.197 | 0.020 | " | 0.200 | ND | 98.3 | 70-130 | 0.139 | 20 | |
| Benzo (g,h,i) perylene | 0.221 | 0.020 | " | 0.200 | ND | 110 | 70-130 | 0.563 | 20 | |
| Benzo (k) fluoranthene | 0.189 | 0.020 | " | 0.200 | ND | 94.4 | 70-130 | 2.27 | 20 | |
| Chrysene | 0.193 | 0.020 | " | 0.200 | ND | 96.7 | 70-130 | 0.337 | 20 | |
| Dibenz (a,h) anthracene | 0.206 | 0.020 | " | 0.200 | ND | 103 | 70-130 | 5.99 | 20 | |
| Fluoranthene | 0.198 | 0.020 | " | 0.200 | ND | 98.8 | 70-130 | 1.51 | 20 | |

Origins Laboratory, Inc.



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Huntsman G #13-9

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

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

Batch B3K2029 - EPA 3580

Matrix Spike Dup (B3K2029-MSD1)

Source: Y311455-01

Prepared: 11/20/2023 Analyzed: 11/23/2023

| | | | | | | | | | | |
|---------------------------------|-------|-------|-------|-------|----|------|--------|-------|----|--|
| Fluorene | 0.213 | 0.020 | mg/kg | 0.200 | ND | 106 | 70-130 | 0.785 | 20 | |
| Indeno (1,2,3-cd) pyrene | 0.195 | 0.020 | " | 0.200 | ND | 97.3 | 70-130 | 14.6 | 20 | |
| Naphthalene | 0.206 | 0.002 | " | 0.200 | ND | 103 | 70-130 | 2.28 | 20 | |
| Phenanthrene | 0.187 | 0.020 | " | 0.200 | ND | 93.6 | 70-130 | 0.788 | 20 | |
| Pyrene | 0.184 | 0.020 | " | 0.200 | ND | 92.1 | 70-130 | 2.80 | 20 | |
| Surrogate: Fluorene-d10 | 200 | | ug/kg | 200 | | 102 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 180 | | " | 200 | | 87.6 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 190 | | " | 200 | | 94.9 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 190 | | " | 200 | | 95.4 | 60-130 | | | |

Origins Laboratory, Inc.

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Jordan A. Bynon, Project Manager



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Huntsman G #13-9

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 B3K1802 - Saturated Paste Metals

Blank (B3K1802-BLK1)

Prepared: 11/18/2023 Analyzed: 11/20/2023

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

Duplicate (B3K1802-DUP1)

Source: Y311439-01

Prepared: 11/18/2023 Analyzed: 11/20/2023

| | | | | | | | | | | |
|---------------|------|--------|------|--|------|--|--|------|-----|--|
| Calcium PPM | 56.0 | 10.0 | mg/L | | 57.7 | | | 3.06 | 50 | |
| SAR | ND | 0.0100 | SAR | | 1.01 | | | | 200 | |
| Magnesium PPM | 16.4 | 10.0 | mg/L | | 15.8 | | | 4.04 | 50 | |
| Sodium PPM | 36.8 | 10.0 | " | | 33.5 | | | 9.40 | 50 | |

Batch B3K2012 - DTPA Sorbitol Preparation

Blank (B3K2012-BLK1)

Prepared: 11/20/2023 Analyzed: 11/21/2023

| | | | | | | | | | | |
|-------|----|-------|------|--|--|--|--|--|--|--|
| Boron | ND | 0.100 | mg/L | | | | | | | |
|-------|----|-------|------|--|--|--|--|--|--|--|

Duplicate (B3K2012-DUP1)

Source: Y311409-02

Prepared: 11/20/2023 Analyzed: 11/21/2023

| | | | | | | | | | | |
|-------|------|--------|------|--|------|--|--|------|----|--|
| Boron | 3.25 | 0.0998 | mg/L | | 2.86 | | | 13.0 | 50 | |
|-------|------|--------|------|--|------|--|--|------|----|--|

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Jordan A. Bynon, Project Manager



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

Andrew Newberry
 Project Number: [none]
 Project: Noble - Huntsman G #13-9

Saturated Paste - Quality Control
Origins Laboratory, Inc.

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

Batch B3K1805 - Saturated Paste pH/EC

Blank (B3K1805-BLK1)

Prepared: 11/18/2023 Analyzed: 11/20/2023

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B3K1805-DUP1)

Source: Y311439-01

Prepared: 11/18/2023 Analyzed: 11/20/2023

pH 8.08 pH Units 8.14 0.740 25

Specific Conductance (EC) 0.598 0.00500 mmhos/cm 0.569 4.97 25

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Jordan A. Bynon, Project Manager



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 Wheat Ridge CO 80033

Andrew Newberry
 Project Number: [none]
 Project: Noble - Huntsman G #13-9

Total Metals by 7196A - Quality Control
Waypoint Analytical, LLC.

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

Batch L718583 -

DUP (L 84277-DUP)

Source: 84277

Prepared: Analyzed: 11/22/2023

| | | | | | | | | | |
|----------------------|----|-----|-------|--|--------|---|---|----|--|
| Chromium, Hexavalent | ND | 0.5 | mg/Kg | | <0.500 | - | 0 | 20 | |
|----------------------|----|-----|-------|--|--------|---|---|----|--|

MS (L 84277-MS)

Source: 84277

Prepared: Analyzed: 11/22/2023

| | | | | | | | | | |
|----------------------|------|-----|-------|------|-------|----|--------|--|--|
| Chromium, Hexavalent | 36.5 | 2.5 | mg/Kg | 38.5 | <1.22 | 95 | 75-125 | | |
|----------------------|------|-----|-------|------|-------|----|--------|--|--|

LCS (LCS)

Prepared: Analyzed: 11/22/2023

| | | | | | | | | | |
|----------------------|------|-----|-------|---|--|----|--------|--|--|
| Chromium, Hexavalent | 7.09 | 0.5 | mg/Kg | 8 | | 89 | 75-125 | | |
|----------------------|------|-----|-------|---|--|----|--------|--|--|

LRB (LRB)

Prepared: Analyzed: 11/22/2023

| | | | | | | | | | |
|----------------------|----|-----|-------|--|--|---|--|--|--|
| Chromium, Hexavalent | ND | 0.5 | mg/Kg | | | - | | | |
|----------------------|----|-----|-------|--|--|---|--|--|--|

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

Andrew Newberry
Project Number: [none]
Project: Noble - Huntsman G #13-9

Notes and Definitions

U Sample is Non-Detect.

QR-DUP RPD exceeds QC acceptance criteria, this indicates source sample is not homogenous.

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.

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

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