



June 06, 2023

Eagle Environmental Consulting, LLC

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Volkens #2

Project Number - [none]

Attached are your analytical results for Noble - Volkens #2 received by Origins Laboratory, Inc. May 23, 2023. This project is associated with Origins project number Y305602-01.

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

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

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

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

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

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





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

Martin C Eckert III
Project Number: [none]
Project: Noble - Volkens #2

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-------------|---------------|--------|--------------------|------------------|
| WH-FS-01@6' | Y305602-01 | Soil | May 23, 2023 13:08 | 05/23/2023 14:30 |

A pH rerun was requested per Grace's email on 06/02/2023. No errors were found in the original data, all three results are reported. JAB

Origins Laboratory, Inc.

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

ORIGINS LABORATORY, INC

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 Project Number: [none]
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 page 1 of 1

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 Telephone Number: 303-433-0479
 Email Address: mce@eagle-environmental.com
 Project Manager: Martin Eckert III
 Project Name: Volkens #2
 Project Number: GLK
 Samples Collected By: GLK

| Sample ID Description | Date Sampled | Time Sampled | # of Containers | Preservative | Matrix | Analysis | Sample Instructions |
|-----------------------|----------------|--------------|-----------------|---|------------------------------|---|---------------------|
| <u>PH-ES-010 G</u> | <u>5/13/23</u> | <u>13:08</u> | <u>3</u> | Unpreserved HCl HNO ₃ Other | Soil Groundwater Other | <u>As</u> <u>Cr</u> <u>Pb</u> <u>Cd</u> <u>Hg</u> <u>Mn</u> <u>Ni</u> <u>Co</u> <u>Cu</u> <u>Zn</u> <u>Fe</u> <u>Mo</u> <u>Sr</u> <u>Se</u> <u>Br</u> <u>I</u> <u>B</u> <u>Be</u> <u>Li</u> <u>K</u> <u>Ca</u> <u>Mg</u> <u>Na</u> <u>Al</u> <u>Silica</u> <u>Si</u> <u>Al</u> <u>Fe</u> <u>Mn</u> <u>Zn</u> <u>Cu</u> <u>Pb</u> <u>Cd</u> <u>Hg</u> <u>Ni</u> <u>Co</u> <u>Mn</u> <u>Cr</u> <u>As</u> <u>Sr</u> <u>Se</u> <u>Br</u> <u>I</u> <u>B</u> <u>Be</u> <u>Li</u> <u>K</u> <u>Ca</u> <u>Mg</u> <u>Na</u> <u>Al</u> <u>Silica</u> <u>Si</u> <u>Al</u> <u>Fe</u> <u>Mn</u> <u>Zn</u> <u>Cu</u> <u>Pb</u> <u>Cd</u> <u>Hg</u> <u>Ni</u> <u>Co</u> <u>Mn</u> <u>Cr</u> <u>As</u> <u>Sr</u> <u>Se</u> <u>Br</u> <u>I</u> <u>B</u> <u>Be</u> <u>Li</u> <u>K</u> <u>Ca</u> <u>Mg</u> <u>Na</u> <u>Al</u> <u>Silica</u> <u>Si</u> <u>Al</u> <u>Fe</u> <u>Mn</u> <u>Zn</u> <u>Cu</u> <u>Pb</u> <u>Cd</u> 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ORIGINS LABORATORY, INC

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Volkens #2

Origins Laboratory

F-012207-01-R1

Sample Receipt Checklist

Effective Date: 01/09/12

Origins Work Order: UB05002

Client: Eagle Environ

Client Project ID: Volkens #2

Checklist Completed by: JH Jenkins

Shipped Via: HP

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

Date/time completed: 5/23/23

Airbill #: WA

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

Cooler Number/Temperature: 135 °C / _____ °C / _____ °C (Describe) _____ °C

Thermometer ID: TC03

| Requirement Description | Yes | No | N/A | Comments (if any) |
|--|-------------------------------------|--------------------------|--------------------------|-------------------|
| If samples requiring cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Is there ice present (document if blue ice is used) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact) | <input 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 (> ¼ 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 confirmed for subcontracted analyses in order to insure sample integrity)(pH <2 for samples preserved with HNO3, HCL, H2SO4) / (pH >10 for samples preserved with NaAsO2+NaOH, ZnAc+NaOH) | <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 5/25/23

Origins Laboratory, Inc.

[Signature]

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Jordan A. Bynon For Jen Pellegrini, Project Manager

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Volkens #2

WH-FS-01@6'
5/23/2023 1:08:00PM

Origins Laboratory, Inc.
Y305602-01 (Soil)

| Analyte | Result | Min Detection Limit | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|-----------------------------------|--------|---------------------|-----------------|-------|----------|---------|------------|------------|-------|
| Boron (DTPA Sorbitol) | | | | | | | | | |
| Boron | 0.491 | | 0.101 | mg/L | 1 | B3E2412 | 05/24/2023 | 05/25/2023 | |
| DRO/ORO by EPA 8015D | | | | | | | | | |
| Diesel (C10-C28) | ND | | 25.0 | mg/kg | 1 | B3E2502 | 05/25/2023 | 05/26/2023 | U |
| Residual Range Organics (C28-C40) | ND | | 100 | " | " | " | " | " | U |
| Surrogate: o-Terphenyl | 85.5 % | | 50-150 | " | " | " | " | " | |
| GBTEX+TMBs by 8260D | | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | | 0.00200 | mg/kg | 1 | B3E2231 | 05/24/2023 | 05/24/2023 | U |
| 1,3,5-Trimethylbenzene | ND | | 0.00200 | " | " | " | " | " | U |
| Benzene | ND | | 0.00200 | " | " | " | " | " | U |
| Ethylbenzene | ND | | 0.00200 | " | " | " | " | " | U |
| Naphthalene | ND | | 0.00380 | " | " | " | " | " | U |
| Toluene | ND | | 0.00200 | " | " | " | " | " | U |
| Xylenes, total | ND | | 0.00200 | " | " | " | " | " | U |
| Gasoline Range Hydrocarbons | ND | | 0.200 | " | " | " | " | " | U |

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Volkens #2

WH-FS-01@6'
 5/23/2023 1:08:00PM

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

Origins Laboratory, Inc.
Y305602-01 (Soil)

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|----------------------------------|--------|--|--------|--|--|-------------|------------|------------|--|
| Surrogate: 1,2-Dichloroethane-d4 | 120 % | | 70-130 | | | B3E22 31 | 05/24/2023 | 05/24/2023 | |
| Surrogate: Toluene-d8 | 99.0 % | | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 103 % | | 70-130 | | | " | " | " | |

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|-----------|------|--|-------|-------|----|--------|------------|------------|--|
| Calcium | 1.93 | | 0.499 | meq/L | 10 | [CALC] | 05/25/2023 | 05/26/2023 | |
| Magnesium | ND | | 0.823 | " | " | " | " | " | |
| Sodium | 4.22 | | 0.435 | " | " | " | " | " | |

PAH by 8270D SIM

| | | | | | | | | | |
|-----------------------|----|----------|---------|-------|---|---------|------------|------------|--|
| 1-Methylnaphthalene | ND | 0.00109 | 0.00201 | mg/Kg | 1 | L684565 | 05/30/2023 | 05/31/2023 | |
| 2-Methylnaphthalene | ND | 0.00194 | 0.00201 | " | " | " | " | " | |
| Acenaphthene | ND | 0.000304 | 0.00067 | " | " | " | " | " | |
| Anthracene | ND | 0.000334 | 0.00067 | " | " | " | " | " | |
| Benzo(a)anthracene | ND | 0.000493 | 0.00067 | " | " | " | " | " | |
| Benzo(a)pyrene | ND | 0.000468 | 0.00067 | " | " | " | " | " | |
| Benzo(b)fluoranthene | ND | 0.000585 | 0.00067 | " | " | " | " | " | |
| Benzo(k)fluoranthene | ND | 0.000437 | 0.00067 | " | " | " | " | " | |
| Chrysene | ND | 0.000624 | 0.00067 | " | " | " | " | " | |
| Dibenz(a,h)anthracene | ND | 0.000614 | 0.00067 | " | " | " | " | " | |

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Volkens #2

WH-FS-01@6'
5/23/2023 1:08:00PM

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

Waypoint Analytical, LLC.
Y305602-01 (Soil)

PAH by 8270D SIM

| | | | | | | | | | |
|------------------------|----|----------|---------|-------|---|---------|------------|------------|---|
| Fluoranthene | ND | 0.000394 | 0.00067 | mg/Kg | 1 | L684565 | 05/30/2023 | 05/31/2023 | |
| Fluorene | ND | 0.000286 | 0.00067 | " | " | " | " | " | " |
| Indeno(1,2,3-cd)pyrene | ND | 0.000627 | 0.00067 | " | " | " | " | " | " |
| Pyrene | ND | 0.000643 | 0.00067 | " | " | " | " | " | " |

| | | | | | | | | | |
|-----------------------------|--------|--|--------|--|--|---|---|---|---|
| Surrogate: 2-Fluorobiphenyl | 62 % | | 33-115 | | | " | " | " | " |
| Surrogate: 4-Terphenyl-d14 | 56 % | | 33-122 | | | " | " | " | " |
| Surrogate: Nitrobenzene-d5 | 50.9 % | | 29-110 | | | " | " | " | " |

pH in Soil by 9045D

| | | | | | | | | | |
|----|------|--|--|----------|---|---------|------------|------------|--|
| pH | 8.32 | | | pH Units | 1 | B3E2514 | 05/25/2023 | 05/26/2023 | |
|----|------|--|--|----------|---|---------|------------|------------|--|

SAR by 20B Saturated Paste

| | | | | | | | | | |
|-----|------|--|--|-----|---|---------|------------|------------|--|
| SAR | 3.61 | | | SAR | 1 | B3E2509 | 05/25/2023 | 05/26/2023 | |
|-----|------|--|--|-----|---|---------|------------|------------|--|

Specific Conductance Mod. 9050A

| | | | | | | | | | |
|---------------------------|-------|--|---------|----------|---|---------|------------|------------|--|
| Specific Conductance (EC) | 0.799 | | 0.00500 | mmhos/cm | 1 | B3E2514 | 05/25/2023 | 05/26/2023 | |
|---------------------------|-------|--|---------|----------|---|---------|------------|------------|--|

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Volkens #2

WH-FS-01@6'
5/23/2023 1:08:00PM

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

Origins Laboratory, Inc.
Y305602-01RE1 (Soil)

pH in Soil by 9045D

| | | | | | | | | | |
|----|------|--|--|----------|---|---------|------------|------------|--|
| pH | 8.33 | | | pH Units | 1 | B3F0230 | 05/25/2023 | 06/04/2023 | |
|----|------|--|--|----------|---|---------|------------|------------|--|

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Volkens #2

WH-FS-01@6'
5/23/2023 1:08:00PM

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

Origins Laboratory, Inc.
Y305602-01RE2 (Soil)

pH in Soil by 9045D

| | | | | | | | | | |
|----|------|--|--|----------|---|---------|------------|------------|--|
| pH | 8.26 | | | pH Units | 1 | B3F0230 | 05/25/2023 | 06/04/2023 | |
|----|------|--|--|----------|---|---------|------------|------------|--|

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Volkens #2

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 B3E2231 - EPA 5030 (soil)

Prepared: 05/24/2023 Analyzed: 05/24/2023

Blank (B3E2231-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 | 0.14 | | " | 0.125 | | 112 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 98.2 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.13 | | " | 0.125 | | 101 | 70-130 | | | |

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Eagle Environmental Consulting, LLC
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 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Volkens #2

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 B3E2231 - EPA 5030 (soil)

LCS (B3E2231-BS1)

Prepared: 05/24/2023 Analyzed: 05/24/2023

| | | | | | | | | | | |
|----------------------------------|--------|---------|-------|-------|--|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.0973 | 0.00200 | mg/kg | 0.100 | | 97.3 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0959 | 0.00200 | " | 0.100 | | 95.9 | 70-130 | | | |
| Benzene | 0.0978 | 0.00200 | " | 0.100 | | 97.8 | 70-130 | | | |
| Ethylbenzene | 0.0911 | 0.00200 | " | 0.100 | | 91.1 | 70-130 | | | |
| Naphthalene | 0.0878 | 0.00380 | " | 0.100 | | 87.8 | 70-130 | | | |
| Toluene | 0.0931 | 0.00200 | " | 0.100 | | 93.1 | 70-130 | | | |
| o-Xylene | 0.0894 | 0.00200 | " | 0.100 | | 89.4 | 70-130 | | | |
| m,p-Xylene | 0.194 | 0.00400 | " | 0.200 | | 96.9 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.14 | | " | 0.125 | | 111 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 99.6 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.12 | | " | 0.125 | | 93.6 | 70-130 | | | |

Origins Laboratory, Inc.

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Jordan A. Bynon For Jen Pellegrini, Project Manager



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Volkens #2

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 B3E2231 - EPA 5030 (soil)

Matrix Spike (B3E2231-MS1)

Source: Y305589-01

Prepared: 05/24/2023 Analyzed: 05/24/2023

| | | | | | | | | | | |
|----------------------------------|--------|---------|-------|-------|----|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.0930 | 0.00200 | mg/kg | 0.100 | ND | 93.0 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0905 | 0.00200 | " | 0.100 | ND | 90.5 | 70-130 | | | |
| Benzene | 0.0945 | 0.00200 | " | 0.100 | ND | 94.5 | 70-130 | | | |
| Ethylbenzene | 0.0874 | 0.00200 | " | 0.100 | ND | 87.4 | 70-130 | | | |
| Naphthalene | 0.0988 | 0.00380 | " | 0.100 | ND | 98.8 | 70-130 | | | |
| Toluene | 0.0887 | 0.00200 | " | 0.100 | ND | 88.7 | 70-130 | | | |
| o-Xylene | 0.0894 | 0.00200 | " | 0.100 | ND | 89.4 | 70-130 | | | |
| m,p-Xylene | 0.185 | 0.00400 | " | 0.200 | ND | 92.4 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.15 | | " | 0.125 | | 116 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 94.3 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.12 | | " | 0.125 | | 97.2 | 70-130 | | | |

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Volkens #2

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 B3E2231 - EPA 5030 (soil)

Matrix Spike Dup (B3E2231-MSD1)

Source: Y305589-01

Prepared: 05/24/2023 Analyzed: 05/24/2023

| | | | | | | | | | | |
|----------------------------------|--------|---------|-------|-------|----|------|--------|------|----|--|
| 1,2,4-Trimethylbenzene | 0.0971 | 0.00200 | mg/kg | 0.100 | ND | 97.1 | 70-130 | 4.38 | 20 | |
| 1,3,5-Trimethylbenzene | 0.0952 | 0.00200 | " | 0.100 | ND | 95.2 | 70-130 | 5.02 | 20 | |
| Benzene | 0.0995 | 0.00200 | " | 0.100 | ND | 99.5 | 70-130 | 5.07 | 20 | |
| Ethylbenzene | 0.0907 | 0.00200 | " | 0.100 | ND | 90.7 | 70-130 | 3.80 | 20 | |
| Naphthalene | 0.110 | 0.00380 | " | 0.100 | ND | 110 | 70-130 | 10.4 | 20 | |
| Toluene | 0.0937 | 0.00200 | " | 0.100 | ND | 93.7 | 70-130 | 5.39 | 20 | |
| o-Xylene | 0.0937 | 0.00200 | " | 0.100 | ND | 93.7 | 70-130 | 4.76 | 20 | |
| m,p-Xylene | 0.191 | 0.00400 | " | 0.200 | ND | 95.3 | 70-130 | 3.10 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.14 | " | " | 0.125 | | 116 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | " | " | 0.125 | | 94.1 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.12 | " | " | 0.125 | | 96.0 | 70-130 | | | |

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Jordan A. Bynon For Jen Pellegrini, Project Manager



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Volkens #2

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

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

Classical Chemistry Parameters - Quality Control
Origins Laboratory, Inc.

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

Batch B3E2412 - DTPA Sorbitol Preparation

Blank (B3E2412-BLK1)

Prepared: 05/24/2023 Analyzed: 05/25/2023

Boron ND 0.100 mg/L

Duplicate (B3E2412-DUP1)

Source: Y305529-01

Prepared: 05/24/2023 Analyzed: 05/25/2023

Boron 0.113 0.0993 mg/L 0.114 1.40 50

Batch B3E2509 - Saturated Paste Metals

Blank (B3E2509-BLK1)

Prepared: 05/25/2023 Analyzed: 05/26/2023

Calcium PPM ND 10.0 mg/L

SAR 0.00 SAR

Magnesium PPM ND 10.0 mg/L

Sodium PPM ND 10.0 "

Duplicate (B3E2509-DUP1)

Source: Y305586-01

Prepared: 05/25/2023 Analyzed: 05/26/2023

SAR 0.00 SAR 0.500 200 200

Calcium PPM 18.4 10.0 mg/L 18.4 0.326 50

Magnesium PPM 3.88 10.0 " 3.87 0.258 50

Sodium PPM 9.31 10.0 " 9.04 2.94 50

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Volkens #2

Saturated Paste - Quality Control
Origins Laboratory, Inc.

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

Batch B3E2514 - Saturated Paste pH/EC

Blank (B3E2514-BLK1)

Prepared: 05/25/2023 Analyzed: 05/26/2023

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B3E2514-DUP1)

Source: Y305586-01

Prepared: 05/25/2023 Analyzed: 05/26/2023

Specific Conductance (EC) 0.281 0.00500 mmhos/cm 0.287 2.11 25

pH 7.97 pH Units 7.95 0.251 25

Batch B3F0230 - Saturated Paste pH/EC

Duplicate (B3F0230-DUP1)

Source: Y305798-01

Prepared: 06/02/2023 Analyzed: 06/04/2023

pH 7.21 pH Units 7.08 1.82 25

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Volkens #2

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 L684565 - 3550B

MSD (L 98613-MSD-L684565)

Source: 98613

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

| | | | | | | | | | | |
|-----------------------------|--------|---------|-------|-------|-----------|------|--------|-----|----|--|
| Acenaphthene | 0.0977 | 0.00067 | mg/Kg | 0.167 | <0.000304 | 58.5 | 30-130 | 3.3 | 30 | |
| 1-Methylnaphthalene | 0.0915 | 0.00201 | " | 0.167 | <0.00109 | 54.7 | 30-130 | 4.6 | 30 | |
| 2-Methylnaphthalene | 0.0915 | 0.00201 | " | 0.167 | <0.00194 | 54.7 | 30-130 | 4.8 | 30 | |
| Anthracene | 0.098 | 0.00067 | " | 0.167 | <0.000334 | 58.6 | 30-130 | 3.6 | 30 | |
| Indeno(1,2,3-cd)pyrene | 0.104 | 0.00067 | " | 0.167 | <0.000627 | 62.2 | 30-130 | 4.6 | 30 | |
| Fluorene | 0.101 | 0.00067 | " | 0.167 | <0.000286 | 60.4 | 30-130 | 1.9 | 30 | |
| Fluoranthene | 0.102 | 0.00067 | " | 0.167 | <0.000394 | 61 | 30-130 | 0.9 | 30 | |
| Dibenz(a,h)anthracene | 0.117 | 0.00067 | " | 0.167 | <0.000614 | 70 | 30-130 | 5.8 | 30 | |
| Chrysene | 0.0959 | 0.00067 | " | 0.167 | 0.000684 | 57 | 30-130 | 5.1 | 30 | |
| Benzo(k)fluoranthene | 0.0769 | 0.00067 | " | 0.167 | <0.000437 | 46 | 30-130 | 0.3 | 30 | |
| Benzo(b)fluoranthene | 0.0836 | 0.00067 | " | 0.167 | <0.000585 | 50 | 30-130 | 8.8 | 30 | |
| Benzo(a)pyrene | 0.105 | 0.00067 | " | 0.167 | <0.000468 | 62.8 | 30-130 | 6.4 | 30 | |
| Benzo(a)anthracene | 0.104 | 0.00067 | " | 0.167 | <0.000493 | 62.2 | 30-130 | 8.2 | 30 | |
| Pyrene | 0.102 | 0.00067 | " | 0.167 | <0.000643 | 61 | 30-130 | 2.8 | 30 | |
| Surrogate: 2-Fluorobiphenyl | 57.3 | | " | 0.333 | 184 | 57.3 | 33-115 | | | |
| Surrogate: 4-Terphenyl-d14 | 62.7 | | " | 0.333 | 217 | 62.7 | 33-122 | | | |
| Surrogate: Nitrobenzene-d5 | 53.4 | | " | 0.333 | 183 | 53.4 | 29-110 | | | |

MS (L 98613-MS-L684565)

Source: 98613

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

| | | | | | | | | | | |
|------------------------|--------|---------|-------|-------|-----------|------|--------|--|--|--|
| Benzo(a)anthracene | 0.113 | 0.00067 | mg/Kg | 0.165 | <0.000493 | 68.4 | 30-130 | | | |
| Benzo(k)fluoranthene | 0.0766 | 0.00067 | " | 0.165 | <0.000437 | 46.4 | 30-130 | | | |
| Pyrene | 0.105 | 0.00067 | " | 0.165 | <0.000643 | 63.6 | 30-130 | | | |
| Indeno(1,2,3-cd)pyrene | 0.109 | 0.00067 | " | 0.165 | <0.000627 | 66 | 30-130 | | | |
| Fluorene | 0.103 | 0.00067 | " | 0.165 | <0.000286 | 62.4 | 30-130 | | | |
| Fluoranthene | 0.103 | 0.00067 | " | 0.165 | <0.000394 | 62.4 | 30-130 | | | |
| Dibenz(a,h)anthracene | 0.124 | 0.00067 | " | 0.165 | <0.000614 | 75.1 | 30-130 | | | |
| Chrysene | 0.101 | 0.00067 | " | 0.165 | 0.000684 | 60.7 | 30-130 | | | |

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Volkens #2

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 L684565 - 3550B

MS (L 98613-MS-L684565)

Source: 98613

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

| | | | | | | | | | | |
|----------------------|--------|---------|-------|-------|-----------|------|--------|--|--|--|
| Benzo(a)pyrene | 0.112 | 0.00067 | mg/Kg | 0.165 | <0.000468 | 67.8 | 30-130 | | | |
| Anthracene | 0.0945 | 0.00067 | " | 0.165 | <0.000334 | 57.2 | 30-130 | | | |
| Acenaphthene | 0.101 | 0.00067 | " | 0.165 | <0.000304 | 61.2 | 30-130 | | | |
| 2-Methylnaphthalene | 0.096 | 0.00201 | " | 0.165 | <0.00194 | 58.1 | 30-130 | | | |
| Benzo(b)fluoranthene | 0.0913 | 0.00067 | " | 0.165 | <0.000585 | 55.3 | 30-130 | | | |
| 1-Methylnaphthalene | 0.0959 | 0.00201 | " | 0.165 | <0.00109 | 58.1 | 30-130 | | | |

| | | | | | | | | | | |
|-----------------------------|------|--|---|------|-----|------|--------|--|--|--|
| Surrogate: Nitrobenzene-d5 | 55.7 | | " | 0.33 | 183 | 55.7 | 29-110 | | | |
| Surrogate: 2-Fluorobiphenyl | 59.3 | | " | 0.33 | 184 | 59.3 | 33-115 | | | |
| Surrogate: 4-Terphenyl-d14 | 65.4 | | " | 0.33 | 217 | 65.4 | 33-122 | | | |

LCS (LCS-L684565)

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

| | | | | | | | | | | |
|-----------------------------|--------|---------|-------|-------|--|------|--------|--|--|--|
| Chrysene | 0.104 | 0.00067 | mg/Kg | 0.167 | | 62.2 | 30-130 | | | |
| Dibenz(a,h)anthracene | 0.138 | 0.00067 | " | 0.167 | | 82.6 | 30-130 | | | |
| Fluoranthene | 0.114 | 0.00067 | " | 0.167 | | 68.2 | 30-130 | | | |
| Fluorene | 0.106 | 0.00067 | " | 0.167 | | 63.4 | 30-130 | | | |
| Indeno(1,2,3-cd)pyrene | 0.126 | 0.00067 | " | 0.167 | | 75.4 | 30-130 | | | |
| Pyrene | 0.114 | 0.00067 | " | 0.167 | | 68.2 | 30-130 | | | |
| Benzo(k)fluoranthene | 0.102 | 0.00067 | " | 0.167 | | 61 | 30-130 | | | |
| 1-Methylnaphthalene | 0.096 | 0.00201 | " | 0.167 | | 57.4 | 30-130 | | | |
| Benzo(a)pyrene | 0.113 | 0.00067 | " | 0.167 | | 67.6 | 30-130 | | | |
| Benzo(a)anthracene | 0.113 | 0.00067 | " | 0.167 | | 67.6 | 30-130 | | | |
| Anthracene | 0.109 | 0.00067 | " | 0.167 | | 65.2 | 30-130 | | | |
| Acenaphthene | 0.102 | 0.00067 | " | 0.167 | | 61 | 30-130 | | | |
| 2-Methylnaphthalene | 0.0968 | 0.00201 | " | 0.167 | | 57.9 | 30-130 | | | |
| Benzo(b)fluoranthene | 0.12 | 0.00067 | " | 0.167 | | 71.8 | 30-130 | | | |
| Surrogate: 2-Fluorobiphenyl | 65.4 | | " | 0.333 | | 65.4 | 33-115 | | | |
| Surrogate: Nitrobenzene-d5 | 62.7 | | " | 0.333 | | 62.7 | 29-110 | | | |

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Volkens #2

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 L684565 - 3550B

LCS (LCS-L684565)

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

Surrogate: 4-Terphenyl-d14 73.5 mg/Kg 0.333 73.5 33-122

LRB (LRB-L684565)

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

| | | | | | | | | | | |
|-----------------------------|------|---------|-------|-------|--|------|--------|--|--|--|
| Chrysene | ND | 0.00067 | mg/Kg | | | | - | | | |
| Dibenz(a,h)anthracene | ND | 0.00067 | " | | | | - | | | |
| Fluoranthene | ND | 0.00067 | " | | | | - | | | |
| Benzo(k)fluoranthene | ND | 0.00067 | " | | | | - | | | |
| Indeno(1,2,3-cd)pyrene | ND | 0.00067 | " | | | | - | | | |
| Fluorene | ND | 0.00067 | " | | | | - | | | |
| Benzo(b)fluoranthene | ND | 0.00067 | " | | | | - | | | |
| Benzo(a)pyrene | ND | 0.00067 | " | | | | - | | | |
| Benzo(a)anthracene | ND | 0.00067 | " | | | | - | | | |
| Acenaphthene | ND | 0.00067 | " | | | | - | | | |
| 2-Methylnaphthalene | ND | 0.00201 | " | | | | - | | | |
| 1-Methylnaphthalene | ND | 0.00201 | " | | | | - | | | |
| Pyrene | ND | 0.00067 | " | | | | - | | | |
| Anthracene | ND | 0.00067 | " | | | | - | | | |
| Surrogate: 4-Terphenyl-d14 | 70.2 | | " | 0.333 | | 70.2 | 33-122 | | | |
| Surrogate: Nitrobenzene-d5 | 60.6 | | " | 0.333 | | 60.6 | 29-110 | | | |
| Surrogate: 2-Fluorobiphenyl | 61.5 | | " | 0.333 | | 61.5 | 33-115 | | | |

Origins Laboratory, Inc.

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

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Volkens #2

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

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

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