



Entrada Consulting Group

Chelsea Veryser

330 Grand Ave. Unit C

Grand Junction CO 81501

November 11, 2024

Project Name - Chevron - Howell C32-12

Project Number - [none]

Attached are your analytical results for Chevron - Howell C32-12 received by Origins Laboratory October 11, 2024. This project is associated with Origins project number E410380-01.

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
303.433.1322
projectmanager@originslab.com



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



Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Howell C32-12

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|------------------------|------------------|
| WH01@6 | E410380-01 | Soil | October 10, 2024 13:00 | 10/11/2024 17:40 |
| FLR01@4 | E410380-02 | Soil | October 10, 2024 13:05 | 10/11/2024 17:40 |

Origins Laboratory

A handwritten signature in black ink, appearing to read "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.

Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Howell C32-12

ORIGINS LABORATORY

ORIGINS WORK ORDER # **EW10380** Page 1 of 1

Client: Entrada Project Manager: Chelsea Veryser Key: _____

Address: _____ Project Name: Howell C32-12 W=Water

Telephone Number: 303-314-8103 Project Number: _____ GW=Groundwater

Email Address: Entrada Distribution cc: RP@entrada.com Collected By: Jen Lehner SW=Surface Water

Invoice/Billing Info: Bill to Chevron (only SW) WW=Waste Water

S=soil | SO=Solid | O=Oil | A=Air | G=Gas | UNP=Unpres | HCL=Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH=Sodium Hydroxide

| # | Sample ID | Date Sampled | Time Sampled | # of Containers | Matrix Preservative | Analysis | | Comments |
|----|-----------|--------------|--------------|-----------------|---------------------|----------|--|----------------------|
| | | | | | | | | |
| 1 | WH01-B0 | 10/10/24 | 1300 | 2 | UNP | X | | Shine DTH on STEJ/TH |
| 2 | FLA01-04 | | 1305 | | | X | | Shine DTH on STEJ/TH |
| 3 | WH01-E04 | | 1310 | | | | | Shine DTH on STEJ/TH |
| 4 | WH01-W04 | | 1315 | | | | | Hold |
| 5 | WH01-S04 | | 1320 | | | | | Hold |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 10 | | | | | | | | |

Relinquished By: [Signature] Date: 10/10/24 Time: 1700 Received By: [Signature] Date: 10/11/24 Time: 16:05

Turnaround Time: ☒ SAME DAY ☐ 24 Hr ☐ 48 Hr ☐ 72

For Lab Sample Receiving Only: Temp Received: 4.1 Received On Ice? ☒ Yes ☐ No

1725 Elk Place Denver, Co. 80211 | # 303.433.1322 | originslab.com

Origins Laboratory

[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.

Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Howell C32-12

Origins Laboratory

Sample Receipt Checklist

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

Origins Work Order: E410380

Client: Entrada

Client Project ID: Howell

Checklist Completed by: EAD

Shipped Via: HO

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

Date/time completed: 10/11/24

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 4.1 °C / °C / °C (Describe)

Thermometer ID: 7004

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

Date/Time Reviewed 10/11/24

Origins Laboratory

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.

Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Howell C32-12

WH01@6

10/10/2024 1:00:00PM

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

Origins Laboratory

E410380-01 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | |
|-------|-------|--------|------|---|---------|------------|------------|
| Boron | 0.417 | 0.0990 | mg/L | 1 | B4J1506 | 10/15/2024 | 10/17/2024 |
|-------|-------|--------|------|---|---------|------------|------------|

DRO/ORO by EPA 8015D

| | | | | | | | |
|-----------------------------------|-----|------|-------|---|---------|------------|------------|
| Diesel (C10-C28) | 216 | 25.0 | mg/kg | 1 | B4J1148 | 10/11/2024 | 10/12/2024 |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | " | Ua |

| | | | | | |
|------------------------|--------|--------|---|---|---|
| Surrogate: o-Terphenyl | 94.3 % | 50-150 | " | " | " |
|------------------------|--------|--------|---|---|---|

GBTEX+TMBs by 8260D

| | | | | | | | |
|-----------------------------|--------|---------|-------|---|---------|------------|------------|
| 1,2,4-Trimethylbenzene | 0.0138 | 0.00200 | mg/kg | 1 | B4J1149 | 10/11/2024 | 10/12/2024 |
| 1,3,5-Trimethylbenzene | 0.0241 | 0.00200 | " | " | " | " | " |
| Benzene | ND | 0.00200 | " | " | " | " | Ua |
| Ethylbenzene | ND | 0.00200 | " | " | " | " | Ua |
| Toluene | ND | 0.00200 | " | " | " | " | Ua |
| Xylenes, total | 0.0370 | 0.00200 | " | " | " | " | " |
| Gasoline Range Hydrocarbons | 3.49 | 0.200 | " | " | " | " | " |

| | | | | | |
|----------------------------------|-------|--------|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 110 % | 70-130 | " | " | " |
|----------------------------------|-------|--------|---|---|---|

| | | | | | |
|-----------------------|--------|--------|---|---|---|
| Surrogate: Toluene-d8 | 97.2 % | 70-130 | " | " | " |
|-----------------------|--------|--------|---|---|---|

Origins Laboratory



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.

Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Howell C32-12

WH01@6

10/10/2024 1:00:00PM

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

Origins Laboratory

E410380-01 (Soil)

GBTEX+TMBs by 8260D

| | | | | | |
|---------------------------------|--------|--------|-------------|------------|------------|
| Surrogate: 4-Bromofluorobenzene | 99.5 % | 70-130 | B4J11 49 | 10/11/2024 | 10/12/2024 |
|---------------------------------|--------|--------|-------------|------------|------------|

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|------|-------|-------|----|--------|------------|------------|
| Calcium | ND | 0.499 | meq/L | 10 | [CALC] | 10/14/2024 | 10/15/2024 |
| Magnesium | ND | 0.823 | " | " | " | " | " |
| Sodium | 2.60 | 0.435 | " | " | " | " | " |

PAH by EPA 8270E extracted via 3580A

| | | | | | | | |
|-------------------------|-------|-------|-------|---|---------|------------|------------|
| 1-Methylnaphthalene | 0.020 | 0.002 | mg/kg | 1 | B4J1632 | 10/16/2024 | 10/19/2024 |
| 2-Methylnaphthalene | 0.009 | 0.002 | " | " | " | " | " |
| Acenaphthene | ND | 0.020 | " | " | " | " | Ua |
| Anthracene | ND | 0.020 | " | " | " | " | Ua |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | " | Ua |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | " | Ua |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | " | Ua |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | " | Ua |
| Chrysene | ND | 0.020 | " | " | " | " | Ua |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | " | Ua |
| Fluoranthene | ND | 0.020 | " | " | " | " | Ua |
| Fluorene | ND | 0.020 | " | " | " | " | Ua |

Origins Laboratory



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.

Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Howell C32-12

WH01@6

10/10/2024 1:00:00PM

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

Origins Laboratory

E410380-01 (Soil)

PAH by EPA 8270E extracted via 3580A

| | | | | | | | | |
|--------------------------|-------|-------|-------|---|---------|------------|------------|----|
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | mg/kg | 1 | B4J1632 | 10/16/2024 | 10/19/2024 | Ua |
| Naphthalene | 0.002 | 0.002 | " | " | " | " | " | |
| Pyrene | ND | 0.020 | " | " | " | " | " | Ua |

| | | | | | |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 108 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 82.5 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 103 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 97.9 % | 60-130 | " | " | " |

pH in Soil by 9045D

| | | | | | | |
|----|------|----------|---|---------|------------|------------|
| pH | 8.13 | pH Units | 1 | B4J1413 | 10/14/2024 | 10/16/2024 |
|----|------|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | |
|-----|------|--------|-----|---|---------|------------|------------|
| SAR | 4.20 | 0.0100 | SAR | 1 | B4J1410 | 10/14/2024 | 10/15/2024 |
|-----|------|--------|-----|---|---------|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | |
|---------------------------|-------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.490 | 0.00500 | mmhos/cm | 1 | B4J1413 | 10/14/2024 | 10/16/2024 |
|---------------------------|-------|---------|----------|---|---------|------------|------------|

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|------|-------|-------|----|---------|------------|------------|
| Arsenic | 1.95 | 0.268 | mg/kg | 10 | B4J1420 | 10/14/2024 | 10/15/2024 |
|---------|------|-------|-------|----|---------|------------|------------|

Origins Laboratory



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.



Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Howell C32-12

WH01@6

10/10/2024 1:00:00PM

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

Origins Laboratory

E410380-01 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | |
|----------|-------|--------|-------|----|---------|------------|------------|
| Barium | 78.4 | 9.25 | mg/kg | 10 | B4J1420 | 10/14/2024 | 10/15/2024 |
| Cadmium | 0.133 | 0.0925 | " | " | " | " | " |
| Copper | ND | 9.25 | " | " | " | " | " |
| Lead | 20.2 | 0.925 | " | " | " | " | " |
| Nickel | 6.95 | 0.925 | " | " | " | " | " |
| Selenium | ND | 0.240 | " | " | " | " | " |
| Silver | ND | 0.0925 | " | " | " | " | " |
| Zinc | 36.0 | 34.2 | " | " | " | " | " |

Total Metals 7196A

| | | | | | | | | | |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|
| Hexavalent Chromium | ND | 0.139 | 0.348 | mg/kg dry | 1 | 2689085 | 10/30/2024 | 11/01/2024 | U |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|

Origins Laboratory

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.

Entrada Consulting Group
330 Grand Ave. Unit C
Grand Junction CO 81501

Chelsea Veryser
Project Number: [none]
Project: Chevron - Howell C32-12

FLR01@4

10/10/2024 1:05:00PM

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

Origins Laboratory E410380-02 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | |
|-------|-------|-------|------|---|---------|------------|------------|--|
| Boron | 0.364 | 0.101 | mg/L | 1 | B4J1506 | 10/15/2024 | 10/17/2024 | |
|-------|-------|-------|------|---|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|------------|------------|----|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B4J1148 | 10/11/2024 | 10/12/2024 | Ua |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | " | " | Ua |

| | | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 93.5 % | 50-150 | | | " | " | " | |
|------------------------|--------|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | |
|-----------------------------|----|---------|-------|---|---------|------------|------------|----|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B4J1149 | 10/11/2024 | 10/12/2024 | Ua |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | " | " | " | " | Ua |
| Benzene | ND | 0.00200 | " | " | " | " | " | Ua |
| Ethylbenzene | ND | 0.00200 | " | " | " | " | " | Ua |
| Toluene | ND | 0.00200 | " | " | " | " | " | Ua |
| Xylenes, total | ND | 0.00200 | " | " | " | " | " | Ua |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | " | " | " | " | Ua |

| | | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 109 % | 70-130 | | | " | " | " | |
| Surrogate: Toluene-d8 | 97.8 % | 70-130 | | | " | " | " | |

Origins Laboratory



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.

Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Howell C32-12

FLR01@4

10/10/2024 1:05:00PM

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

Origins Laboratory

E410380-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene 96.9 % 70-130 B4J11 49 10/11/2024 10/12/2024

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|------|-------|-------|----|--------|------------|------------|
| Calcium | ND | 0.499 | meq/L | 10 | [CALC] | 10/14/2024 | 10/15/2024 |
| Magnesium | ND | 0.823 | " | " | " | " | " |
| Sodium | 1.05 | 0.435 | " | " | " | " | " |

PAH by EPA 8270E extracted via 3580A

| | | | | | | | | |
|-------------------------|----|-------|-------|---|---------|------------|------------|----|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B4J1632 | 10/16/2024 | 10/19/2024 | Ua |
| 2-Methylnaphthalene | ND | 0.002 | " | " | " | " | " | Ua |
| Acenaphthene | ND | 0.020 | " | " | " | " | " | Ua |
| Anthracene | ND | 0.020 | " | " | " | " | " | Ua |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | " | " | Ua |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | " | " | Ua |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | " | " | Ua |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | " | " | Ua |
| Chrysene | ND | 0.020 | " | " | " | " | " | Ua |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | " | " | Ua |
| Fluoranthene | ND | 0.020 | " | " | " | " | " | Ua |
| Fluorene | ND | 0.020 | " | " | " | " | " | Ua |

Origins Laboratory



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.

Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Howell C32-12

FLR01@4

10/10/2024 1:05:00PM

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

Origins Laboratory

E410380-02 (Soil)

PAH by EPA 8270E extracted via 3580A

| | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|------------|------------|----|
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | mg/kg | 1 | B4J1632 | 10/16/2024 | 10/19/2024 | Ua |
| Naphthalene | ND | 0.002 | " | " | " | " | " | Ua |
| Pyrene | ND | 0.020 | " | " | " | " | " | Ua |

| | | | | | |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 98.2 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 85.8 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 107 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 102 % | 60-130 | " | " | " |

pH in Soil by 9045D

| | | | | | | |
|----|------|----------|---|---------|------------|------------|
| pH | 8.15 | pH Units | 1 | B4J1413 | 10/14/2024 | 10/16/2024 |
|----|------|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | |
|-----|------|--------|-----|---|---------|------------|------------|
| SAR | 1.90 | 0.0100 | SAR | 1 | B4J1410 | 10/14/2024 | 10/15/2024 |
|-----|------|--------|-----|---|---------|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | |
|---------------------------|-------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.531 | 0.00500 | mmhos/cm | 1 | B4J1413 | 10/14/2024 | 10/16/2024 |
|---------------------------|-------|---------|----------|---|---------|------------|------------|

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|------|-------|-------|----|---------|------------|------------|
| Arsenic | 1.97 | 0.267 | mg/kg | 10 | B4J1420 | 10/14/2024 | 10/16/2024 |
|---------|------|-------|-------|----|---------|------------|------------|

Origins Laboratory



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.



Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Howell C32-12

FLR01@4

10/10/2024 1:05:00PM

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

Origins Laboratory

E410380-02 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | |
|----------|-------|--------|-------|----|---------|------------|------------|
| Barium | 79.4 | 9.22 | mg/kg | 10 | B4J1420 | 10/14/2024 | 10/16/2024 |
| Cadmium | 0.117 | 0.0922 | " | " | " | " | " |
| Copper | 24.6 | 9.22 | " | " | " | " | " |
| Lead | 67.3 | 0.922 | " | " | " | " | " |
| Nickel | 6.04 | 0.922 | " | " | " | " | " |
| Selenium | ND | 0.240 | " | " | " | " | " |
| Silver | ND | 0.0922 | " | " | " | " | " |
| Zinc | 45.9 | 34.1 | " | " | " | " | " |

Total Metals 7196A

| | | | | | | | | | |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|
| Hexavalent Chromium | ND | 0.113 | 0.284 | mg/kg dry | 1 | 2689085 | 10/30/2024 | 11/01/2024 | U |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|

Origins Laboratory

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.



Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Howell C32-12

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-----------------------------------|--------|-----------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| Batch B4J1148 - EPA 3550B | | | | | | | | | | |
| Blank (B4J1148-BLK1) | | | | | Prepared: 10/11/2024 Analyzed: 10/12/2024 | | | | | |
| Diesel (C10-C28) | ND | 25.0 | mg/kg | | | | | | | Ua |
| Residual Range Organics (C28-C40) | ND | 100 | " | | | | | | | Ua |
| Surrogate: o-Terphenyl | 24 | | " | 24.9 | | 97.4 | 50-150 | | | |

Origins Laboratory

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.



Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Howell C32-12

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory

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

Batch B4J1148 - EPA 3550B

LCS (B4J1148-BS1)

Prepared: 10/11/2024 Analyzed: 10/12/2024

| | | | | | | | | | | |
|-----------------------------------|------|------|-------|------|--|------|--------|--|--|--|
| Diesel (C10-C28) | 922 | 50.0 | mg/kg | 1000 | | 92.2 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 1020 | 200 | " | 1000 | | 102 | 70-130 | | | |
| Surrogate: o-Terphenyl | 47 | | " | 49.8 | | 93.5 | 50-150 | | | |

Origins Laboratory

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 For Jen Pellegrini, Project Manager



Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Howell C32-12

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory

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

Batch B4J1148 - EPA 3550B

| Matrix Spike (B4J1148-MS1) | | Source: E410372-01 | | | Prepared: 10/11/2024 Analyzed: 10/12/2024 | | | | | |
|-----------------------------------|------|--------------------|-------|------|---|------|--------|--|--|--|
| Diesel (C10-C28) | 917 | 50.0 | mg/kg | 1000 | ND | 91.7 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 1050 | 200 | " | 1000 | ND | 105 | 70-130 | | | |
| Surrogate: o-Terphenyl | 57 | | " | 49.8 | | 115 | 50-150 | | | |

Origins Laboratory

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.



Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Howell C32-12

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory

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

Batch B4J1148 - EPA 3550B

| Matrix Spike Dup (B4J1148-MSD1) | | Source: E410372-01 | | | Prepared: 10/11/2024 Analyzed: 10/12/2024 | | | | | |
|-----------------------------------|------|--------------------|-------|------|---|------|--------|-------|----|--|
| Diesel (C10-C28) | 928 | 50.0 | mg/kg | 1000 | ND | 92.8 | 70-130 | 1.23 | 35 | |
| Residual Range Organics (C28-C40) | 1040 | 200 | " | 1000 | ND | 104 | 70-130 | 0.480 | 35 | |
| Surrogate: o-Terphenyl | 48 | | " | 49.8 | | 96.3 | 50-150 | | | |

Origins Laboratory

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.



Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Howell C32-12

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| Batch B4J1149 - EPA 5030 (soil) | | | | | | | | | | |
| Blank (B4J1149-BLK1) | | | | | Prepared: 10/11/2024 Analyzed: 10/11/2024 | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | | | | | | | Ua |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | | | | | | | Ua |
| Benzene | ND | 0.00200 | " | | | | | | | Ua |
| Ethylbenzene | ND | 0.00200 | " | | | | | | | Ua |
| Naphthalene | ND | 0.00380 | " | | | | | | | Ua |
| Toluene | ND | 0.00200 | " | | | | | | | Ua |
| Xylenes, total | ND | 0.00200 | " | | | | | | | Ua |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | | | | | | | Ua |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 | | " | 0.125 | | 92.5 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 98.4 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.12 | | " | 0.125 | | 93.7 | 70-130 | | | |

Origins Laboratory

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.

Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Howell C32-12

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control

Origins Laboratory

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|----------------------------------|--------|-----------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| Batch B4J1149 - EPA 5030 (soil) | | | | | | | | | | |
| LCS (B4J1149-BS1) | | | | | Prepared: 10/11/2024 Analyzed: 10/11/2024 | | | | | |
| 1,2,4-Trimethylbenzene | 0.112 | 0.00200 | mg/kg | 0.100 | | 112 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.111 | 0.00200 | " | 0.100 | | 111 | 70-130 | | | |
| Benzene | 0.104 | 0.00200 | " | 0.100 | | 104 | 70-130 | | | |
| Ethylbenzene | 0.106 | 0.00200 | " | 0.100 | | 106 | 70-130 | | | |
| Naphthalene | 0.119 | 0.00380 | " | 0.100 | | 119 | 70-130 | | | |
| Toluene | 0.104 | 0.00200 | " | 0.100 | | 104 | 70-130 | | | |
| o-Xylene | 0.110 | 0.00200 | " | 0.100 | | 110 | 70-130 | | | |
| m,p-Xylene | 0.219 | 0.00400 | " | 0.200 | | 110 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.11 | | " | 0.125 | | 87.0 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 98.8 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.12 | | " | 0.125 | | 96.0 | 70-130 | | | |

Origins Laboratory



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.

Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Howell C32-12

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control

Origins Laboratory

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

Batch B4J1149 - EPA 5030 (soil)

| Matrix Spike (B4J1149-MS1) | | Source: E410372-01 | | | Prepared: 10/11/2024 Analyzed: 10/11/2024 | | | | | |
|----------------------------------|--------|--------------------|-------|-------|---|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.0918 | 0.00200 | mg/kg | 0.100 | ND | 91.8 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0919 | 0.00200 | " | 0.100 | ND | 91.9 | 70-130 | | | |
| Benzene | 0.0868 | 0.00200 | " | 0.100 | ND | 86.8 | 70-130 | | | |
| Ethylbenzene | 0.0873 | 0.00200 | " | 0.100 | ND | 87.3 | 70-130 | | | |
| Naphthalene | 0.0970 | 0.00380 | " | 0.100 | 0.000520 | 96.4 | 70-130 | | | |
| Toluene | 0.0870 | 0.00200 | " | 0.100 | ND | 87.0 | 70-130 | | | |
| o-Xylene | 0.0909 | 0.00200 | " | 0.100 | ND | 90.9 | 70-130 | | | |
| m,p-Xylene | 0.182 | 0.00400 | " | 0.200 | ND | 90.9 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.11 | | " | 0.125 | | 91.3 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 98.4 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.12 | | " | 0.125 | | 95.7 | 70-130 | | | |

Origins Laboratory



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.

Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Howell C32-12

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control

Origins Laboratory

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|----------------------------------|--------|-----------------|--------------------|-------------|---|------|-------------|--------|-----------|-------|
| Batch B4J1149 - EPA 5030 (soil) | | | | | | | | | | |
| Matrix Spike Dup (B4J1149-MSD1) | | | Source: E410372-01 | | Prepared: 10/11/2024 Analyzed: 10/11/2024 | | | | | |
| 1,2,4-Trimethylbenzene | 0.0943 | 0.00200 | mg/kg | 0.100 | ND | 94.3 | 70-130 | 2.69 | 20 | |
| 1,3,5-Trimethylbenzene | 0.0941 | 0.00200 | " | 0.100 | ND | 94.1 | 70-130 | 2.39 | 20 | |
| Benzene | 0.0867 | 0.00200 | " | 0.100 | ND | 86.7 | 70-130 | 0.0231 | 20 | |
| Ethylbenzene | 0.0884 | 0.00200 | " | 0.100 | ND | 88.4 | 70-130 | 1.21 | 20 | |
| Naphthalene | 0.100 | 0.00380 | " | 0.100 | 0.000520 | 99.8 | 70-130 | 3.37 | 20 | |
| Toluene | 0.0868 | 0.00200 | " | 0.100 | ND | 86.8 | 70-130 | 0.253 | 20 | |
| o-Xylene | 0.0926 | 0.00200 | " | 0.100 | ND | 92.6 | 70-130 | 1.92 | 20 | |
| m,p-Xylene | 0.184 | 0.00400 | " | 0.200 | ND | 92.0 | 70-130 | 1.16 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.11 | | " | 0.125 | | 91.0 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 98.1 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.12 | | " | 0.125 | | 96.2 | 70-130 | | | |

Origins Laboratory



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.



Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Howell C32-12

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

| 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

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

Batch B4J1420 - EPA 3050B

Blank (B4J1420-BLK1)

Prepared: 10/14/2024 Analyzed: 10/15/2024

| | | | |
|----------|----|-------|-------|
| Arsenic | ND | 0.290 | mg/kg |
| Barium | ND | 10.0 | " |
| Cadmium | ND | 0.100 | " |
| Copper | ND | 10.0 | " |
| Lead | ND | 1.00 | " |
| Nickel | ND | 1.00 | " |
| Selenium | ND | 0.260 | " |
| Silver | ND | 0.100 | " |
| Zinc | ND | 37.0 | " |

LCS (B4J1420-BS1)

Prepared: 10/14/2024 Analyzed: 10/15/2024

| | | | | | | |
|----------|------|-------|-------|------|-----|--------|
| Arsenic | 5.15 | 0.290 | mg/kg | 5.00 | 103 | 80-120 |
| Barium | 548 | 10.0 | " | 500 | 110 | 80-120 |
| Cadmium | 5.52 | 0.100 | " | 5.00 | 110 | 80-120 |
| Copper | 52.1 | 10.0 | " | 50.0 | 104 | 80-120 |
| Lead | 5.63 | 1.00 | " | 5.00 | 113 | 80-120 |
| Nickel | 5.41 | 1.00 | " | 5.00 | 108 | 80-120 |
| Selenium | 5.28 | 0.260 | " | 5.00 | 106 | 80-120 |
| Silver | 5.37 | 0.100 | " | 5.00 | 107 | 80-120 |
| Zinc | 52.5 | 37.0 | " | 50.0 | 105 | 80-120 |

Matrix Spike (B4J1420-MS1)

Source: E410336-13

Prepared: 10/14/2024 Analyzed: 10/15/2024

Origins Laboratory

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.

Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Howell C32-12

Metals by EPA 6000/7000 Series Methods - Quality Control

Origins Laboratory

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

Batch B4J1420 - EPA 3050B

| Matrix Spike (B4J1420-MS1) | | Source: E410336-13 | | | Prepared: 10/14/2024 Analyzed: 10/15/2024 | | | | | |
|----------------------------|------|--------------------|-------|------|---|------|--------|--|--|-------|
| Arsenic | 5.45 | 0.268 | mg/kg | 4.61 | 1.01 | 96.2 | 75-125 | | | |
| Barium | 971 | 9.23 | " | 461 | 396 | 125 | 75-125 | | | |
| Cadmium | 5.23 | 0.0923 | " | 4.61 | 0.116 | 111 | 75-125 | | | |
| Copper | 56.7 | 9.23 | " | 46.1 | 7.40 | 107 | 75-125 | | | |
| Lead | 18.2 | 0.923 | " | 4.61 | 9.88 | 181 | 75-125 | | | QM-07 |
| Nickel | 8.81 | 0.923 | " | 4.61 | 3.68 | 111 | 75-125 | | | |
| Selenium | 4.66 | 0.240 | " | 4.61 | ND | 101 | 75-125 | | | |
| Silver | 5.14 | 0.0923 | " | 4.61 | 0.0204 | 111 | 75-125 | | | |
| Zinc | 64.9 | 34.1 | " | 46.1 | 17.6 | 102 | 75-125 | | | |

| Matrix Spike Dup (B4J1420-MSD1) | | Source: E410336-13 | | | Prepared: 10/14/2024 Analyzed: 10/15/2024 | | | | | |
|---------------------------------|------|--------------------|-------|------|---|-----|--------|-------|----|---------------|
| Arsenic | 5.99 | 0.281 | mg/kg | 4.85 | 1.01 | 103 | 75-125 | 9.59 | 20 | |
| Barium | 1290 | 9.69 | " | 485 | 396 | 185 | 75-125 | 28.3 | 20 | QM-07, QR-DUP |
| Cadmium | 5.59 | 0.0969 | " | 4.85 | 0.116 | 113 | 75-125 | 6.56 | 20 | |
| Copper | 59.9 | 9.69 | " | 48.5 | 7.40 | 108 | 75-125 | 5.52 | 20 | |
| Lead | 19.6 | 0.969 | " | 4.85 | 9.88 | 200 | 75-125 | 6.94 | 20 | QM-07 |
| Nickel | 8.88 | 0.969 | " | 4.85 | 3.68 | 107 | 75-125 | 0.800 | 20 | |
| Selenium | 5.48 | 0.252 | " | 4.85 | ND | 113 | 75-125 | 16.2 | 20 | |
| Silver | 5.37 | 0.0969 | " | 4.85 | 0.0204 | 110 | 75-125 | 4.41 | 20 | |
| Zinc | 69.3 | 35.9 | " | 48.5 | 17.6 | 107 | 75-125 | 6.53 | 20 | |

Origins Laboratory



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.



Entrada Consulting Group
330 Grand Ave. Unit C
Grand Junction CO 81501

Chelsea Veryser
Project Number: [none]
Project: Chevron - Howell C32-12

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

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

Batch B4J1632 - EPA 3580

Blank (B4J1632-BLK1)

Prepared: 10/16/2024 Analyzed: 10/19/2024

| | | | | | | | | | | |
|---------------------------------|-----|-------|-------|-----|--|------|--------|--|--|----|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | | | | | | | Ua |
| 2-Methylnaphthalene | ND | 0.002 | " | | | | | | | Ua |
| Acenaphthene | ND | 0.020 | " | | | | | | | Ua |
| Anthracene | ND | 0.020 | " | | | | | | | Ua |
| Benzo (a) anthracene | ND | 0.005 | " | | | | | | | Ua |
| Benzo (a) pyrene | ND | 0.020 | " | | | | | | | Ua |
| Benzo (b) fluoranthene | ND | 0.020 | " | | | | | | | Ua |
| Benzo (g,h,i) perylene | ND | 0.020 | " | | | | | | | Ua |
| Benzo (k) fluoranthene | ND | 0.020 | " | | | | | | | Ua |
| Chrysene | ND | 0.020 | " | | | | | | | Ua |
| Dibenz (a,h) anthracene | ND | 0.020 | " | | | | | | | Ua |
| Fluoranthene | ND | 0.020 | " | | | | | | | Ua |
| Fluorene | ND | 0.020 | " | | | | | | | Ua |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | | | | | | | Ua |
| Naphthalene | ND | 0.002 | " | | | | | | | Ua |
| Phenanthrene | ND | 0.020 | " | | | | | | | Ua |
| Pyrene | ND | 0.020 | " | | | | | | | Ua |
| Surrogate: Fluorene-d10 | 210 | | ug/kg | 200 | | 104 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 170 | | " | 200 | | 85.5 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 210 | | " | 200 | | 106 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 190 | | " | 200 | | 97.1 | 60-130 | | | |

LCS (B4J1632-BS1)

Prepared: 10/16/2024 Analyzed: 10/19/2024

| | | | | | | | | | | |
|---------------------|-------|-------|-------|-------|--|------|--------|--|--|--|
| 1-Methylnaphthalene | 0.173 | 0.002 | mg/kg | 0.200 | | 86.3 | 70-130 | | | |
| 2-Methylnaphthalene | 0.181 | 0.002 | " | 0.200 | | 90.6 | 70-130 | | | |
| Acenaphthene | 0.210 | 0.020 | " | 0.200 | | 105 | 70-130 | | | |
| Anthracene | 0.161 | 0.020 | " | 0.200 | | 80.7 | 70-130 | | | |

Origins Laboratory

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.

Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Howell C32-12

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control

Origins Laboratory

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

Batch B4J1632 - EPA 3580

LCS (B4J1632-BS1)

Prepared: 10/16/2024 Analyzed: 10/19/2024

| | | | | | | | |
|---------------------------------|-------|-------|-------|-------|--|------|--------|
| Benzo (a) anthracene | 0.201 | 0.005 | mg/kg | 0.200 | | 101 | 70-130 |
| Benzo (a) pyrene | 0.189 | 0.020 | " | 0.200 | | 94.3 | 70-130 |
| Benzo (b) fluoranthene | 0.198 | 0.020 | " | 0.200 | | 99.1 | 70-130 |
| Benzo (g,h,i) perylene | 0.197 | 0.020 | " | 0.200 | | 98.3 | 70-130 |
| Benzo (k) fluoranthene | 0.194 | 0.020 | " | 0.200 | | 97.2 | 70-130 |
| Chrysene | 0.208 | 0.020 | " | 0.200 | | 104 | 70-130 |
| Dibenz (a,h) anthracene | 0.201 | 0.020 | " | 0.200 | | 100 | 70-130 |
| Fluoranthene | 0.211 | 0.020 | " | 0.200 | | 105 | 70-130 |
| Fluorene | 0.216 | 0.020 | " | 0.200 | | 108 | 70-130 |
| Indeno (1,2,3-cd) pyrene | 0.237 | 0.020 | " | 0.200 | | 119 | 70-130 |
| Naphthalene | 0.187 | 0.002 | " | 0.200 | | 93.6 | 70-130 |
| Phenanthrene | 0.184 | 0.020 | " | 0.200 | | 92.1 | 70-130 |
| Pyrene | 0.219 | 0.020 | " | 0.200 | | 110 | 70-130 |
| Surrogate: Fluorene-d10 | 220 | | ug/kg | 200 | | 110 | 60-130 |
| Surrogate: Anthracene-d10 | 170 | | " | 200 | | 84.4 | 60-130 |
| Surrogate: Pyrene-d10 | 200 | | " | 200 | | 100 | 60-130 |
| Surrogate: Benzo (a) pyrene-d12 | 190 | | " | 200 | | 95.5 | 60-130 |

Matrix Spike (B4J1632-MS1)

Source: E410380-01

Prepared: 10/16/2024 Analyzed: 10/19/2024

| | | | | | | | |
|------------------------|-------|-------|-------|-------|--------|------|--------|
| 1-Methylnaphthalene | 0.181 | 0.002 | mg/kg | 0.200 | 0.020 | 80.6 | 70-130 |
| 2-Methylnaphthalene | 0.181 | 0.002 | " | 0.200 | 0.009 | 86.2 | 70-130 |
| Acenaphthene | 0.213 | 0.020 | " | 0.200 | 0.011 | 101 | 70-130 |
| Anthracene | 0.173 | 0.020 | " | 0.200 | 0.007 | 83.0 | 70-130 |
| Benzo (a) anthracene | 0.183 | 0.005 | " | 0.200 | 0.0003 | 91.1 | 70-130 |
| Benzo (a) pyrene | 0.184 | 0.020 | " | 0.200 | 0.001 | 91.3 | 70-130 |
| Benzo (b) fluoranthene | 0.196 | 0.020 | " | 0.200 | 0.003 | 96.7 | 70-130 |
| Benzo (g,h,i) perylene | 0.195 | 0.020 | " | 0.200 | 0.002 | 96.3 | 70-130 |

Origins Laboratory



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.

Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Howell C32-12

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control

Origins Laboratory

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

Batch B4J1632 - EPA 3580

| Matrix Spike (B4J1632-MS1) | | Source: E410380-01 | | | Prepared: 10/16/2024 Analyzed: 10/19/2024 | | | | | |
|---------------------------------|-------|--------------------|-------|-------|---|------|--------|--|--|--|
| Benzo (k) fluoranthene | 0.188 | 0.020 | mg/kg | 0.200 | 0.003 | 92.5 | 70-130 | | | |
| Chrysene | 0.185 | 0.020 | " | 0.200 | 0.007 | 89.0 | 70-130 | | | |
| Dibenz (a,h) anthracene | 0.196 | 0.020 | " | 0.200 | ND | 97.8 | 70-130 | | | |
| Fluoranthene | 0.211 | 0.020 | " | 0.200 | 0.001 | 105 | 70-130 | | | |
| Fluorene | 0.220 | 0.020 | " | 0.200 | 0.014 | 103 | 70-130 | | | |
| Indeno (1,2,3-cd) pyrene | 0.235 | 0.020 | " | 0.200 | 0.004 | 116 | 70-130 | | | |
| Naphthalene | 0.182 | 0.002 | " | 0.200 | 0.002 | 90.0 | 70-130 | | | |
| Phenanthrene | 0.189 | 0.020 | " | 0.200 | 0.014 | 87.5 | 70-130 | | | |
| Pyrene | 0.233 | 0.020 | " | 0.200 | 0.002 | 115 | 70-130 | | | |
| Surrogate: Fluorene-d10 | 220 | | ug/kg | 200 | | 111 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 160 | | " | 200 | | 81.8 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 220 | | " | 200 | | 110 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 190 | | " | 200 | | 96.3 | 60-130 | | | |

| Matrix Spike Dup (B4J1632-MSD1) | | Source: E410380-01 | | | Prepared: 10/16/2024 Analyzed: 10/19/2024 | | | | | |
|---------------------------------|-------|--------------------|-------|-------|---|-----|--------|------|----|-------|
| 1-Methylnaphthalene | 0.250 | 0.002 | mg/kg | 0.200 | 0.020 | 115 | 70-130 | 31.8 | 20 | QR-02 |
| 2-Methylnaphthalene | 0.239 | 0.002 | " | 0.200 | 0.009 | 115 | 70-130 | 27.7 | 20 | QR-02 |
| Acenaphthene | 0.246 | 0.020 | " | 0.200 | 0.011 | 117 | 70-130 | 14.5 | 20 | |
| Anthracene | 0.211 | 0.020 | " | 0.200 | 0.007 | 102 | 70-130 | 20.1 | 20 | QR-02 |
| Benzo (a) anthracene | 0.225 | 0.005 | " | 0.200 | 0.0003 | 112 | 70-130 | 20.9 | 20 | QR-02 |
| Benzo (a) pyrene | 0.230 | 0.020 | " | 0.200 | 0.001 | 114 | 70-130 | 22.4 | 20 | QR-02 |
| Benzo (b) fluoranthene | 0.251 | 0.020 | " | 0.200 | 0.003 | 124 | 70-130 | 24.6 | 20 | QR-02 |
| Benzo (g,h,i) perylene | 0.242 | 0.020 | " | 0.200 | 0.002 | 120 | 70-130 | 21.5 | 20 | QR-02 |
| Benzo (k) fluoranthene | 0.231 | 0.020 | " | 0.200 | 0.003 | 114 | 70-130 | 20.7 | 20 | QR-02 |
| Chrysene | 0.231 | 0.020 | " | 0.200 | 0.007 | 112 | 70-130 | 22.2 | 20 | QR-02 |
| Dibenz (a,h) anthracene | 0.239 | 0.020 | " | 0.200 | ND | 120 | 70-130 | 20.0 | 20 | |
| Fluoranthene | 0.244 | 0.020 | " | 0.200 | 0.001 | 121 | 70-130 | 14.7 | 20 | |

Origins Laboratory



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.



Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Howell C32-12

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

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

Batch B4J1632 - EPA 3580

| Matrix Spike Dup (B4J1632-MSD1) | | Source: E410380-01 | | | Prepared: 10/16/2024 Analyzed: 10/19/2024 | | | | | |
|---------------------------------|-------|--------------------|-------|-------|---|------|--------|-------|----|-------|
| Fluorene | 0.258 | 0.020 | mg/kg | 0.200 | 0.014 | 122 | 70-130 | 15.9 | 20 | |
| Indeno (1,2,3-cd) pyrene | 0.234 | 0.020 | " | 0.200 | 0.004 | 115 | 70-130 | 0.628 | 20 | |
| Naphthalene | 0.226 | 0.002 | " | 0.200 | 0.002 | 112 | 70-130 | 21.5 | 20 | QR-02 |
| Phenanthrene | 0.233 | 0.020 | " | 0.200 | 0.014 | 109 | 70-130 | 20.8 | 20 | QR-02 |
| Pyrene | 0.257 | 0.020 | " | 0.200 | 0.002 | 127 | 70-130 | 9.87 | 20 | |
| Surrogate: Fluorene-d10 | 210 | | ug/kg | 200 | | 106 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 160 | | " | 200 | | 82.2 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 210 | | " | 200 | | 106 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 200 | | " | 200 | | 99.7 | 60-130 | | | |

Origins Laboratory

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.



Entrada Consulting Group
330 Grand Ave. Unit C
Grand Junction CO 81501

Chelsea Veryser
Project Number: [none]
Project: Chevron - Howell C32-12

Classical Chemistry Parameters - Quality Control
Origins Laboratory

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

Batch B4J1410 - Saturated Paste Metals

Blank (B4J1410-BLK1)

Prepared: 10/14/2024 Analyzed: 10/15/2024

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

Duplicate (B4J1410-DUP1)

Source: E410361-01

Prepared: 10/14/2024 Analyzed: 10/15/2024

| | | | | | | |
|---------------|------|--------|------|-------|------|-----|
| SAR | ND | 0.0100 | SAR | 0.530 | | 200 |
| Calcium PPM | 10.4 | 10.0 | mg/L | 11.4 | 9.28 | 50 |
| Magnesium PPM | 2.59 | 10.0 | " | 2.98 | 14.0 | 50 |
| Sodium PPM | 8.12 | 10.0 | " | 7.77 | 4.41 | 50 |

Batch B4J1506 - DTPA Sorbitol Preparation

Blank (B4J1506-BLK1)

Prepared: 10/15/2024 Analyzed: 10/17/2024

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

Duplicate (B4J1506-DUP1)

Source: E410380-01

Prepared: 10/15/2024 Analyzed: 10/17/2024

| | | | | | | |
|-------|-------|--------|------|-------|------|----|
| Boron | 0.408 | 0.0984 | mg/L | 0.417 | 2.22 | 50 |
|-------|-------|--------|------|-------|------|----|

Origins Laboratory

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 For Jen Pellegrini, Project Manager



Entrada Consulting Group
330 Grand Ave. Unit C
Grand Junction CO 81501

Chelsea Veryser
Project Number: [none]
Project: Chevron - Howell C32-12

Saturated Paste - Quality Control
Origins Laboratory

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----------------|----------|-------------|---|------|-------------|-------|-----------|-------|
| Batch B4J1413 - Saturated Paste pH/EC | | | | | | | | | | |
| Blank (B4J1413-BLK1) | | | | | Prepared: 10/14/2024 Analyzed: 10/16/2024 | | | | | |
| Specific Conductance (EC) | ND | 0.00500 | mmhos/cm | | | | | | | |
| Duplicate (B4J1413-DUP1) | | | | | Source: E410361-01 Prepared: 10/14/2024 Analyzed: 10/16/2024 | | | | | |
| Specific Conductance (EC) | 0.275 | 0.00500 | mmhos/cm | | 0.264 | | | 3.93 | 25 | |
| pH | 8.34 | | pH Units | | 8.35 | | | 0.120 | 25 | |

Origins Laboratory

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.

Entrada Consulting Group
330 Grand Ave. Unit C
Grand Junction CO 81501

Chelsea Veryser
Project Number: [none]
Project: Chevron - Howell C32-12

Total Metals 7196A - Quality Control GEL Laboratories, LLC

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|------------------------------------|--------|-----------------|-----------|-------------|---|------|-------------|-----|-----------|-------|
| Batch 2689085 - SW846 3060A | | | | | | | | | | |
| BLANK (1205888851-BLK) | | | | | Prepared: 10/30/2024 Analyzed: 11/01/2024 | | | | | |
| Hexavalent Chromium | ND | 0.396 | mg/kg | | | | - | | | U |
| LCS (1205888852-BKS) | | | | | Prepared: 10/30/2024 Analyzed: 11/01/2024 | | | | | |
| Hexavalent Chromium | 4.07 | 0.400 | mg/kg | 4.00 | | 102 | 80-120 | | | |
| DUP (1205888853 D) | | | | | Source: 690215001 Prepared: 10/30/2024 Analyzed: 11/01/2024 | | | | | |
| Hexavalent Chromium | ND | 0.313 | mg/kg dry | | <0.125 | | 0-50 | N/A | 50 | U |
| MS (1205888854 S) | | | | | Source: 690215001 Prepared: 10/30/2024 Analyzed: 11/01/2024 | | | | | |
| Hexavalent Chromium | 2.54 | 0.356 | mg/kg dry | 3.56 | <0.142 | 71.5 | 75-125 | | | |
| DUP (1205888855 D) | | | | | Source: 690215002 Prepared: 10/30/2024 Analyzed: 11/01/2024 | | | | | |
| Hexavalent Chromium | ND | 0.299 | mg/kg dry | | <0.120 | | 0-50 | N/A | 50 | U |
| MS (1205888856 S) | | | | | Source: 690215002 Prepared: 10/30/2024 Analyzed: 11/01/2024 | | | | | |
| Hexavalent Chromium | 3.26 | 0.384 | mg/kg dry | 3.84 | <0.154 | 85 | 75-125 | | | |
| ILCS (1205888857-ILCS) | | | | | Prepared: 10/30/2024 Analyzed: 11/01/2024 | | | | | |
| Hexavalent Chromium | 5.86 | 0.282 | mg/kg | 5.69 | | 103 | 80-120 | | | |

Origins Laboratory



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.



Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Chelsea Veryser

Project Number: [none]

Project: Chevron - Howell C32-12

Notes and Definitions

Ua Sample is Non-Detect.

U Result not detected above the detection limit

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

QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

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

A handwritten signature in black ink, appearing to read "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.