

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

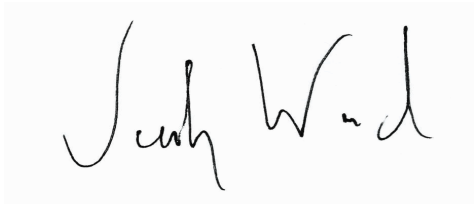
303.277.9310

August 09, 2023

Ben Baugh
Entrada Consulting Group
240 Mesa Avenue
Grand Junction., CO 81501
RE: PDC - Margil 34A
Work Order #2308097

Enclosed are the results of analyses for samples received by Summit Scientific on 08/03/23 16:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Jacob Wood". The signature is written in a cursive, flowing style.

Jacob Wood For Paul Shrewsbury
President



Entrada Consulting Group
240 Mesa Avenue
Grand Junction. CO, 81501

Project: PDC - Margil 34A

Project Number: [none]
Project Manager: Ben Baugh

Reported:
08/09/23 11:55

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| PWV02@5 | 2308097-01 | Soil | 08/03/23 10:00 | 08/03/23 16:30 |
| WH01-S@4 | 2308097-02 | Soil | 08/03/23 10:10 | 08/03/23 16:30 |
| WH02-S@4 | 2308097-03 | Soil | 08/03/23 10:20 | 08/03/23 16:30 |
| WH03-S@4 | 2308097-04 | Soil | 08/03/23 10:30 | 08/03/23 16:30 |
| WH04-S@4 | 2308097-05 | Soil | 08/03/23 10:40 | 08/03/23 16:30 |
| WH05-S@4 | 2308097-06 | Soil | 08/03/23 10:50 | 08/03/23 16:30 |

Case Narrative

Ben Baugh requested the following sample name changes on 8/9/2023:

PWV02R@5 renamed to PWV02@5
WH01-S-R@4 renamed to WH01-S@4
WH02-S-R@4 renamed to WH02-S@4
WH03-S-R@4 renamed to WH03-S@4
WH04-S-R@4 renamed to WH04-S@4
WH05-S-R@4 renamed to WH05-S@4

This report includes these name changes.

Summit Scientific

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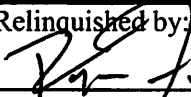



SUMMIT SCIENTIFIC

4653 Table Mountain Drive
Golden, CO 80403
303-277-9310

| | |
|---------|-------------|
| Lab ID | Page 1 of 1 |
| 2308097 | |

| | | | | | |
|---------------------------------------|--|----------------------------------|--|------------------------|--|
| Client: PDC Energy / Entrada | | Send Data To: | | Send Invoice To: | |
| Address: ON File | | Project Manager: Ben Baugh | | Company: PDC | |
| City/State/Zip: | | E-Mail: Entrada + PDC dist. List | | Project Name/Location: | |
| Phone: 303-907-0635 | | Project Name: Margil 34A | | AFE#: | |
| Sampler Name: Ryan Finley + Nick Yord | | Project Number: | | PO/Billing Codes: | |
| | | | | Contact: | |

| | | | | Preservative | | | | Matrix | | | | Analysis Requested | | | | | | | | Special Instructions | |
|----|--------------------|--------------|--------------|-----------------|-----|------|------|--------|-------|------|----------------|--------------------|------|--|--|--|--|--|--|----------------------|--|
| ID | Sample Description | Date Sampled | Time Sampled | # of containers | HCl | HNO3 | None | Other | Water | Soil | Air-Canister # | Other | PAHs | | | | | | | | |
| 1 | PWV02R05 | 8/3/23 | 1000 | 1 | | | X | | | X | | | X | | | | | | | | |
| 2 | WH01-S-R04 | ↓ | 1010 | ↓ | | | ↓ | | | ↓ | | | ↓ | | | | | | | | |
| 3 | WH02-S-R04 | ↓ | 1020 | ↓ | | | ↓ | | | ↓ | | | ↓ | | | | | | | | |
| 4 | WH03-S-R04 | ↓ | 1030 | ↓ | | | ↓ | | | ↓ | | | ↓ | | | | | | | | |
| 5 | WH04-S-R04 | ↓ | 1040 | ↓ | | | ↓ | | | ↓ | | | ↓ | | | | | | | | |
| 6 | WH05-S-R04 | ↓ | 1050 | ↓ | | | ↓ | | | ↓ | | | ↓ | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | |
|---|--|--|------------------------|-------------------|---------------|--------|
| Relinquished by:  | Date/Time: 8/3/23 1215 | Received by:  | Date/Time: 8/3/23 1630 | TAT Business Days | Field DO | Notes: |
| Relinquished by: 52 | Date/Time: 8/3/23 1630 | Received by:  | Date/Time: 8/3/23 1630 | Same Day | Field EC | |
| | | | | 1 Day | Field ORP | |
| | | | | 2 Days | Field pH | |
| | | | | 3 Days | Field Temp. | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Standard | X Field Turb. | |
| Temperature Upon Receipt: 17.3 | Corrected Temperature:  | IR gun #: 1 | HNO3 lot #: | | | |

S₂

Sample Receipt Checklist

S2 Work Order# 2308097Client: PDC/Entrada Client Project ID: Margil 34AShipped Via: H.D./P.U./FedEx/UPS/USPS/Other ☐ Airbill #: ☐

| | | | | |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|

Matrix (Check all that apply) Air ☐ Soil ☒ Solid ☐ Water ☐ Other ☐Temp (°C) 7.3 Thermometer # 1

| | Yes | No | N/A | Comments (if any) |
|---|-------------------------------------|-------------------------------------|-------------------------------------|-------------------|
| If samples require cooling, is the temperature < 6°C? ⁽¹⁾ NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | ON ICE |
| If custody seals are present, are they intact? ⁽¹⁾ | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Are samples due within 48 hours present? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Are water samples with short hold times present? Note the short hold analysis in the comments column - pH, Nitrate/Nitrite, Ferrous Iron (Fe ²⁺), Hexavalent Chromium (Cr ⁶⁺ , Cr VI), COD/BOD, Total Coliform, E. Coli, Total Residual Chlorine (TRC), Dissolved Oxygen | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Is a chain-of-custody (COC) form present and filled out Completely? ⁽¹⁾ | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Is the COC properly relinquished by the client w/ date and time recorded? ⁽¹⁾ | <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"/> | |
| 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"/> | |
| For volatiles in water – is there headspace present? If yes, contact client and note in narrative. | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Are samples preserved that require preservation (excluding cooling)? ⁽¹⁾ Note the type of preservative in the comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc. | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| If samples are acid preserved for metals, is the pH ≤ 2? ⁽¹⁾ Record the pH in Comments. | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| If dissolved metals are requested, were samples field filtered? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |

Additional Comments (if any):

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.Josh

Custodian Printed Name

08/03/23 7:51 PM

Date/Time



Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: PDC - Margil 34A
Project Number: [none]
Project Manager: Ben Baugh

Reported:
08/09/23 11:55

PWV02@5
2308097-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **08/03/23 10:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------|-------|----------|---------|----------|----------|---------------|-------|
| | | Limit | | | | | | | |
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BGH0177 | 08/04/23 | 08/05/23 | EPA 8270D SIM | |
| Anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Chrysene | ND | 0.00500 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluorene | ND | 0.00500 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **08/03/23 10:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0194 | 58.1 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | 0.0202 | 60.6 % | 40-150 | | " | " | " | " | |

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: PDC - Margil 34A
Project Number: [none]
Project Manager: Ben Baugh

Reported:
08/09/23 11:55

WH01-S@4
2308097-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **08/03/23 10:10**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------|-------|----------|---------|----------|----------|---------------|-------|
| | | Limit | | | | | | | |
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BGH0177 | 08/04/23 | 08/05/23 | EPA 8270D SIM | |
| Anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Chrysene | ND | 0.00500 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluorene | ND | 0.00500 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **08/03/23 10:10**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0198 | 59.4 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | 0.0189 | 56.6 % | 40-150 | | " | " | " | " | |

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: PDC - Margil 34A

Project Number: [none]
Project Manager: Ben Baugh

Reported:
08/09/23 11:55

WH02-S@4
2308097-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **08/03/23 10:20**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------|-------|----------|---------|----------|----------|---------------|-------|
| | | Limit | | | | | | | |
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BGH0177 | 08/04/23 | 08/05/23 | EPA 8270D SIM | |
| Anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Chrysene | ND | 0.00500 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluorene | ND | 0.00500 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **08/03/23 10:20**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0226 | 67.9 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | 0.0219 | 65.8 % | 40-150 | | " | " | " | " | |

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: PDC - Margil 34A

Project Number: [none]
Project Manager: Ben Baugh

Reported:
08/09/23 11:55

WH03-S@4
2308097-04 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **08/03/23 10:30**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------|-------|----------|---------|----------|----------|---------------|-------|
| | | Limit | | | | | | | |
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BGH0177 | 08/04/23 | 08/05/23 | EPA 8270D SIM | |
| Anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Chrysene | ND | 0.00500 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluorene | ND | 0.00500 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **08/03/23 10:30**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0165 | 49.5 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | 0.0164 | 49.3 % | 40-150 | | " | " | " | " | |

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: PDC - Margil 34A
Project Number: [none]
Project Manager: Ben Baugh

Reported:
08/09/23 11:55

WH04-S@4
2308097-05 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **08/03/23 10:40**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------|-------|----------|---------|----------|----------|---------------|-------|
| | | Limit | | | | | | | |
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BGH0177 | 08/04/23 | 08/05/23 | EPA 8270D SIM | |
| Anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Chrysene | ND | 0.00500 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluorene | ND | 0.00500 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **08/03/23 10:40**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0199 | 59.6 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | 0.0169 | 50.6 % | 40-150 | | " | " | " | " | |

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: PDC - Margil 34A

Project Number: [none]
Project Manager: Ben Baugh

Reported:
08/09/23 11:55

WH05-S@4
2308097-06 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **08/03/23 10:50**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------|-------|----------|---------|----------|----------|---------------|-------|
| | | Limit | | | | | | | |
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BGH0177 | 08/04/23 | 08/05/23 | EPA 8270D SIM | |
| Anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Chrysene | ND | 0.00500 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluorene | ND | 0.00500 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **08/03/23 10:50**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0157 | 47.2 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | 0.0151 | 45.4 % | 40-150 | | " | " | " | " | |

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: PDC - Margil 34A

Project Number: [none]
Project Manager: Ben Baugh

Reported:
08/09/23 11:55

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BGH0177 - EPA 5030 Soil MS

Blank (BGH0177-BLK1)

Prepared: 08/04/23 Analyzed: 08/05/23

| | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|--|------|--------|--|--|--|
| Acenaphthene | ND | 0.00500 | mg/kg | | | | | | | |
| Anthracene | ND | 0.00500 | " | | | | | | | |
| Benzo (a) anthracene | ND | 0.00500 | " | | | | | | | |
| Benzo (a) pyrene | ND | 0.00500 | " | | | | | | | |
| Benzo (b) fluoranthene | ND | 0.00500 | " | | | | | | | |
| Benzo (k) fluoranthene | ND | 0.00500 | " | | | | | | | |
| Chrysene | ND | 0.00500 | " | | | | | | | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | | | | | | | |
| Fluoranthene | ND | 0.00500 | " | | | | | | | |
| Fluorene | ND | 0.00500 | " | | | | | | | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | | | | | | | |
| Pyrene | ND | 0.00500 | " | | | | | | | |
| 1-Methylnaphthalene | ND | 0.00500 | " | | | | | | | |
| 2-Methylnaphthalene | ND | 0.00500 | " | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0328 | | " | 0.0333 | | 98.5 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0313 | | " | 0.0333 | | 93.8 | 40-150 | | | |

LCS (BGH0177-BS1)

Prepared: 08/04/23 Analyzed: 08/05/23

| | | | | | | |
|------------------------------------|--------|---------|-------|--------|------|--------|
| Acenaphthene | 0.0345 | 0.00500 | mg/kg | 0.0333 | 104 | 31-137 |
| Anthracene | 0.0353 | 0.00500 | " | 0.0333 | 106 | 30-120 |
| Benzo (a) anthracene | 0.0329 | 0.00500 | " | 0.0333 | 98.6 | 30-120 |
| Benzo (a) pyrene | 0.0399 | 0.00500 | " | 0.0333 | 120 | 30-120 |
| Benzo (b) fluoranthene | 0.0352 | 0.00500 | " | 0.0333 | 106 | 30-120 |
| Benzo (k) fluoranthene | 0.0324 | 0.00500 | " | 0.0333 | 97.1 | 30-120 |
| Chrysene | 0.0354 | 0.00500 | " | 0.0333 | 106 | 30-120 |
| Dibenz (a,h) anthracene | 0.0334 | 0.00500 | " | 0.0333 | 100 | 30-120 |
| Fluoranthene | 0.0343 | 0.00500 | " | 0.0333 | 103 | 30-120 |
| Fluorene | 0.0339 | 0.00500 | " | 0.0333 | 102 | 30-120 |
| Indeno (1,2,3-cd) pyrene | 0.0377 | 0.00500 | " | 0.0333 | 113 | 30-120 |
| Pyrene | 0.0361 | 0.00500 | " | 0.0333 | 108 | 35-142 |
| 1-Methylnaphthalene | 0.0174 | 0.00500 | " | 0.0333 | 52.1 | 35-142 |
| 2-Methylnaphthalene | 0.0328 | 0.00500 | " | 0.0333 | 98.5 | 35-142 |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0321 | | " | 0.0333 | 96.2 | 40-150 |
| Surrogate: Fluoranthene-d10 | 0.0330 | | " | 0.0333 | 99.1 | 40-150 |

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: PDC - Margil 34A

Project Number: [none]
Project Manager: Ben Baugh

Reported:
08/09/23 11:55

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BGH0177 - EPA 5030 Soil MS

Matrix Spike (BGH0177-MS1)

Source: 2308091-04

Prepared: 08/04/23 Analyzed: 08/05/23

| | | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|----|------|--------|--|--|--|--|
| Acenaphthene | 0.0196 | 0.00500 | mg/kg | 0.0333 | ND | 58.9 | 31-137 | | | | |
| Anthracene | 0.0188 | 0.00500 | " | 0.0333 | ND | 56.5 | 30-120 | | | | |
| Benzo (a) anthracene | 0.0188 | 0.00500 | " | 0.0333 | ND | 56.5 | 30-120 | | | | |
| Benzo (a) pyrene | 0.0306 | 0.00500 | " | 0.0333 | ND | 91.8 | 30-120 | | | | |
| Benzo (b) fluoranthene | 0.0324 | 0.00500 | " | 0.0333 | ND | 97.3 | 30-120 | | | | |
| Benzo (k) fluoranthene | 0.0331 | 0.00500 | " | 0.0333 | ND | 99.3 | 30-120 | | | | |
| Chrysene | 0.0198 | 0.00500 | " | 0.0333 | ND | 59.5 | 30-120 | | | | |
| Dibenz (a,h) anthracene | 0.0272 | 0.00500 | " | 0.0333 | ND | 81.5 | 30-120 | | | | |
| Fluoranthene | 0.0201 | 0.00500 | " | 0.0333 | ND | 60.4 | 30-120 | | | | |
| Fluorene | 0.0200 | 0.00500 | " | 0.0333 | ND | 60.0 | 30-120 | | | | |
| Indeno (1,2,3-cd) pyrene | 0.0386 | 0.00500 | " | 0.0333 | ND | 116 | 30-120 | | | | |
| Pyrene | 0.0187 | 0.00500 | " | 0.0333 | ND | 56.2 | 35-142 | | | | |
| 1-Methylnaphthalene | 0.0161 | 0.00500 | " | 0.0333 | ND | 48.2 | 15-130 | | | | |
| 2-Methylnaphthalene | 0.0229 | 0.00500 | " | 0.0333 | ND | 68.6 | 15-130 | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0210 | | " | 0.0333 | | 63.1 | 40-150 | | | | |
| Surrogate: Fluoranthene-d10 | 0.0186 | | " | 0.0333 | | 55.8 | 40-150 | | | | |

Matrix Spike Dup (BGH0177-MSD1)

Source: 2308091-04

Prepared: 08/04/23 Analyzed: 08/05/23

| | | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|----|------|--------|-------|----|--|--|
| Acenaphthene | 0.0194 | 0.00500 | mg/kg | 0.0333 | ND | 58.3 | 31-137 | 1.00 | 30 | | |
| Anthracene | 0.0186 | 0.00500 | " | 0.0333 | ND | 55.8 | 30-120 | 1.20 | 30 | | |
| Benzo (a) anthracene | 0.0193 | 0.00500 | " | 0.0333 | ND | 58.0 | 30-120 | 2.62 | 30 | | |
| Benzo (a) pyrene | 0.0306 | 0.00500 | " | 0.0333 | ND | 91.9 | 30-120 | 0.147 | 30 | | |
| Benzo (b) fluoranthene | 0.0332 | 0.00500 | " | 0.0333 | ND | 99.6 | 30-120 | 2.32 | 30 | | |
| Benzo (k) fluoranthene | 0.0345 | 0.00500 | " | 0.0333 | ND | 104 | 30-120 | 4.30 | 30 | | |
| Chrysene | 0.0198 | 0.00500 | " | 0.0333 | ND | 59.3 | 30-120 | 0.291 | 30 | | |
| Dibenz (a,h) anthracene | 0.0276 | 0.00500 | " | 0.0333 | ND | 82.8 | 30-120 | 1.53 | 30 | | |
| Fluoranthene | 0.0200 | 0.00500 | " | 0.0333 | ND | 60.1 | 30-120 | 0.355 | 30 | | |
| Fluorene | 0.0199 | 0.00500 | " | 0.0333 | ND | 59.7 | 30-120 | 0.617 | 30 | | |
| Indeno (1,2,3-cd) pyrene | 0.0379 | 0.00500 | " | 0.0333 | ND | 114 | 30-120 | 1.80 | 30 | | |
| Pyrene | 0.0202 | 0.00500 | " | 0.0333 | ND | 60.7 | 35-142 | 7.86 | 30 | | |
| 1-Methylnaphthalene | 0.0159 | 0.00500 | " | 0.0333 | ND | 47.8 | 15-130 | 0.671 | 50 | | |
| 2-Methylnaphthalene | 0.0197 | 0.00500 | " | 0.0333 | ND | 59.1 | 15-130 | 14.8 | 50 | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0175 | | " | 0.0333 | | 52.5 | 40-150 | | | | |
| Surrogate: Fluoranthene-d10 | 0.0190 | | " | 0.0333 | | 57.1 | 40-150 | | | | |

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction. CO, 81501

Project: PDC - Margil 34A

Project Number: [none]
Project Manager: Ben Baugh

Reported:
08/09/23 11:55

Notes and Definitions

| | |
|-----|--|
| DET | Analyte DETECTED |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| NR | Not Reported |
| dry | Sample results reported on a dry weight basis |
| RPD | Relative Percent Difference |