



**CTEH**

**Kyle Lawrence**

**5120 North Shore Drive**

**North Little Rock AR 72118**

**May 09, 2025**

**Project Name - PROJ-054017**

**Project Number - PROJ-054017**

Attached are your analytical results for PROJ-054017 received by Origins Laboratory April 25, 2025. This project is associated with Origins project number E5D0751-01.

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**





CTEH

5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

## CROSS REFERENCE REPORT

| Sample ID        | Laboratory ID | Matrix | Date Sampled         | Date Received    |
|------------------|---------------|--------|----------------------|------------------|
| GACO0425T050S018 | E5D0751-01    | Soil   | April 25, 2025 11:40 | 04/25/2025 20:32 |
| GACO0425T050S017 | E5D0751-02    | Soil   | April 25, 2025 11:15 | 04/25/2025 20:32 |
| GACO0425T050C018 | E5D0751-03    | Soil   | April 25, 2025 11:40 | 04/25/2025 20:32 |
| GACO0425T050S014 | E5D0751-04    | Soil   | April 25, 2025 10:15 | 04/25/2025 20:32 |
| GACO0425T050S015 | E5D0751-05    | Soil   | April 25, 2025 10:35 | 04/25/2025 20:32 |
| GACO0425T050S013 | E5D0751-06    | Soil   | April 25, 2025 10:00 | 04/25/2025 20:32 |
| GACO0425T050S016 | E5D0751-07    | Soil   | April 25, 2025 10:55 | 04/25/2025 20:32 |
| GACO0425T050S011 | E5D0751-08    | Soil   | April 25, 2025 8:45  | 04/25/2025 20:32 |
| GACO0425T050S010 | E5D0751-09    | Soil   | April 25, 2025 8:30  | 04/25/2025 20:32 |
| GACO0425T050S012 | E5D0751-10    | Soil   | April 25, 2025 9:05  | 04/25/2025 20:32 |
| GACO0425T050T004 | E5D0751-11    | Water  | April 25, 2025 7:30  | 04/25/2025 20:32 |

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Jordan A. Bynon, Project Manager







# ORIGINS

LABORATORY

CTEH  
5120 North Shore Drive  
North Little Rock AR 72118

Kyle Lawrence  
Project Number: PROJ-054017  
Project: PROJ-054017

Origins Laboratory

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

## Sample Receipt Checklist

Origins Work Order: E8D06751

Client: CTEH

Client Project ID: PROJ-054017

Checklist Completed by: JAB/ML

Shipped Via: HD  
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 4/26/25

Airbill #: N/A

Matrix(s) Received: (Check all that apply): ☒ Soil/Solid ☒ Water ☐ Other: \_\_\_\_\_

Cooler Number/Temperature: 113.0 °C

(Describe)

Thermometer ID: T007

| Requirement Description   | Yes                                 | No                       | N/A                      | Comments (if any) |
|---|-------------------------------------|--------------------------|--------------------------|-------------------|
| If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?   | <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 <sup>(1)</sup> ?   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                   |
| Was adequate sample volume provided <sup>(1)</sup> ?  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                   |
| Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                   |
| Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                   |
| Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                   |
| Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                   |
| Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?   | <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 <sup>(1)</sup> ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontrated analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH >10 for samples preserved with NaAsO <sub>2</sub> , NaOH, ZnO, NaOH) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <u>NC</u>         |
| Additional Comments (if any):   |                                     |                          |                          |                   |

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

Reviewed by (Project Manager)

04/28/25  
Date/Time Reviewed

Origins Laboratory

*J. Bynon*

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Jordan A. Bynon, Project Manager





CTEH  
5120 North Shore Drive  
North Little Rock AR 72118

Kyle Lawrence  
Project Number: PROJ-054017  
Project: PROJ-054017

GACO0425T050S018

4/25/2025 11:40:00AM

| Analyte                                 | Result | Detection Limit | Reporting Limit | Units  | Dilution | Batch   | Prepared   | Analyzed   | Notes |
|---|--------|-----------------|-----------------|--------|----------|---------|------------|------------|-------|
| E5D0751-01 (Soil)<br>Origins Laboratory |        |                 |                 |        |          |         |            |            |       |
| <b>Boron (DTPA Sorbitol)</b>            |        |                 |                 |        |          |         |            |            |       |
| Boron                                   | 0.822  |                 | 0.0999          | mg/L   | 1        | B5D2715 | 04/27/2025 | 04/30/2025 |       |
| <b>Chromium Hexavalent by EPA 7199</b>  |        |                 |                 |        |          |         |            |            |       |
| Hexavalent Chromium                     | ND     |                 | 0.255           | mg/kg  | 1        | B5D2846 | 04/28/2025 | 05/08/2025 |       |
| <b>DRO/ORO by EPA 8015D</b>             |        |                 |                 |        |          |         |            |            |       |
| Diesel (C10-C28)                        | ND     |                 | 25.0            | mg/kg  | 1        | B5D2814 | 04/28/2025 | 04/28/2025 | U     |
| Residual Range Organics (C28-C40)       | ND     |                 | 100             | "      | "        | "       | "          | "          | U     |
| Surrogate: o-Terphenyl                  | 79.6 % |                 |                 | 50-150 |          | "       | "          | "          |       |
| <b>GBTEX+TMBs by 8260D</b>              |        |                 |                 |        |          |         |            |            |       |
| 1,2,4-Trimethylbenzene                  | ND     |                 | 0.00200         | mg/kg  | 1        | B5D2603 | 04/26/2025 | 04/26/2025 | U     |
| 1,3,5-Trimethylbenzene                  | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Benzene                                 | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Ethylbenzene                            | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Toluene                                 | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Xylenes, total                          | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Gasoline Range Hydrocarbons             | ND     |                 | 0.200           | "      | "        | "       | "          | "          | U     |

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| Analyte                                 | Result | Detection Limit | Reporting Limit | Units  | Dilution | Batch   | Prepared   | Analyzed   | Notes |
|---|--------|-----------------|-----------------|--------|----------|---------|------------|------------|-------|
| E5D0751-01 (Soil)<br>Origins Laboratory |        |                 |                 |        |          |         |            |            |       |
| GBTEX+TMBs by 8260D                     |        |                 |                 |        |          |         |            |            |       |
| Surrogate: 1,2-Dichloroethane-d4        | 110 %  |                 |                 | 70-130 |          | B5D2603 | 04/26/2025 | 04/26/2025 |       |
| Surrogate: Toluene-d8                   | 97.0 % |                 |                 | 70-130 |          | "       | "          | "          |       |
| Surrogate: 4-Bromofluorobenzene         | 103 %  |                 |                 | 70-130 |          | "       | "          | "          |       |
| Metals by Saturated Paste by EPA 6010   |        |                 |                 |        |          |         |            |            |       |
| Calcium                                 | 3.34   |                 | 0.499           | meq/L  | 10       | [CALC]  | 04/27/2025 | 04/30/2025 |       |
| Magnesium                               | 1.31   |                 | 0.823           | "      | "        | "       | "          | "          |       |
| Sodium                                  | 1.34   |                 | 0.435           | "      | "        | "       | "          | "          |       |
| PAH by EPA 8270E extracted via 3580A    |        |                 |                 |        |          |         |            |            |       |
| 1-Methylnaphthalene                     | ND     |                 | 0.002           | mg/kg  | 1        | B5D2820 | 04/28/2025 | 04/28/2025 | U     |
| 2-Methylnaphthalene                     | ND     |                 | 0.002           | "      | "        | "       | "          | "          | U     |
| Acenaphthene                            | ND     |                 | 0.020           | "      | "        | "       | "          | "          | U     |
| Anthracene                              | ND     |                 | 0.020           | "      | "        | "       | "          | "          | U     |
| Benzo (a) anthracene                    | ND     |                 | 0.005           | "      | "        | "       | "          | "          | U     |
| Benzo (a) pyrene                        | ND     |                 | 0.020           | "      | "        | "       | "          | "          | U     |
| Benzo (b) fluoranthene                  | ND     |                 | 0.020           | "      | "        | "       | "          | "          | U     |
| Benzo (k) fluoranthene                  | ND     |                 | 0.020           | "      | "        | "       | "          | "          | U     |
| Chrysene                                | ND     |                 | 0.020           | "      | "        | "       | "          | "          | U     |
| Dibenz (a,h) anthracene                 | ND     |                 | 0.020           | "      | "        | "       | "          | "          | U     |

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GACO0425T050S018

4/25/2025 11:40:00AM

| Analyte                                 | Result | Detection Limit | Reporting Limit | Units    | Dilution | Batch   | Prepared   | Analyzed   | Notes |
|---|--------|-----------------|-----------------|----------|----------|---------|------------|------------|-------|
| E5D0751-01 (Soil)<br>Origins Laboratory |        |                 |                 |          |          |         |            |            |       |
| PAH by EPA 8270E extracted via 3580A    |        |                 |                 |          |          |         |            |            |       |
| Fluoranthene                            | ND     |                 | 0.020           | mg/kg    | 1        | B5D2820 | 04/28/2025 | 04/28/2025 | U     |
| Fluorene                                | ND     |                 | 0.020           | "        | "        | "       | "          | "          | U     |
| Indeno (1,2,3-cd) pyrene                | ND     |                 | 0.020           | "        | "        | "       | "          | "          | U     |
| Naphthalene                             | ND     |                 | 0.002           | "        | "        | "       | "          | "          | U     |
| Pyrene                                  | ND     |                 | 0.020           | "        | "        | "       | "          | "          | U     |
| Surrogate: Fluorene-d10                 | 99.3 % |                 |                 | 60-130   |          | "       | "          | "          |       |
| Surrogate: Anthracene-d10               | 99.0 % |                 |                 | 60-130   |          | "       | "          | "          |       |
| Surrogate: Pyrene-d10                   | 102 %  |                 |                 | 60-130   |          | "       | "          | "          |       |
| Surrogate: Benzo (a) pyrene-d12         | 99.4 % |                 |                 | 60-130   |          | "       | "          | "          |       |
| pH in Soil by 9045D                     |        |                 |                 |          |          |         |            |            |       |
| pH                                      | 8.19   |                 |                 | pH Units | 1        | B5D2721 | 04/27/2025 | 04/29/2025 |       |
| SAR by 20B Saturated Paste              |        |                 |                 |          |          |         |            |            |       |
| SAR                                     | 0.877  |                 | 0.0100          | SAR      | 1        | B5D2709 | 04/27/2025 | 04/30/2025 |       |
| Specific Conductance Mod. 9050A         |        |                 |                 |          |          |         |            |            |       |
| Specific Conductance (EC)               | 0.730  |                 | 0.00500         | mmhos/cm | 1        | B5D2721 | 04/27/2025 | 04/29/2025 |       |
| Table 915 metals by EPA 6020B           |        |                 |                 |          |          |         |            |            |       |

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GACO0425T050S018

4/25/2025 11:40:00AM

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

E5D0751-01 (Soil)  
Origins Laboratory

Table 915 metals by EPA 6020B

|          |       |        |       |    |         |            |            |
|----------|-------|--------|-------|----|---------|------------|------------|
| Arsenic  | 5.08  | 0.253  | mg/kg | 10 | B5D2703 | 04/27/2025 | 04/28/2025 |
| Barium   | 110   | 8.74   | "     | "  | "       | "          | "          |
| Cadmium  | 0.389 | 0.0874 | "     | "  | "       | "          | "          |
| Copper   | 12.7  | 8.74   | "     | "  | "       | "          | "          |
| Lead     | 10.2  | 0.874  | "     | "  | "       | "          | "          |
| Nickel   | 11.0  | 0.874  | "     | "  | "       | "          | "          |
| Selenium | 0.353 | 0.227  | "     | "  | "       | "          | "          |
| Silver   | 0.173 | 0.0874 | "     | "  | "       | "          | "          |
| Zinc     | 47.6  | 32.3   | "     | "  | "       | "          | "          |

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Project Number: PROJ-054017  
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GACO0425T050S017

4/25/2025 11:15:00AM

| Analyte                                 | Result | Detection Limit | Reporting Limit | Units  | Dilution | Batch   | Prepared   | Analyzed   | Notes |
|---|--------|-----------------|-----------------|--------|----------|---------|------------|------------|-------|
| E5D0751-02 (Soil)<br>Origins Laboratory |        |                 |                 |        |          |         |            |            |       |
| <b>Boron (DTPA Sorbitol)</b>            |        |                 |                 |        |          |         |            |            |       |
| Boron                                   | 0.617  |                 | 0.0994          | mg/L   | 1        | B5D2715 | 04/27/2025 | 04/30/2025 |       |
| <b>Chromium Hexavalent by EPA 7199</b>  |        |                 |                 |        |          |         |            |            |       |
| Hexavalent Chromium                     | ND     |                 | 0.243           | mg/kg  | 1        | B5D2846 | 04/28/2025 | 05/08/2025 |       |
| <b>DRO/ORO by EPA 8015D</b>             |        |                 |                 |        |          |         |            |            |       |
| Diesel (C10-C28)                        | ND     |                 | 25.0            | mg/kg  | 1        | B5D2814 | 04/28/2025 | 04/28/2025 | U     |
| Residual Range Organics (C28-C40)       | ND     |                 | 100             | "      | "        | "       | "          | "          | U     |
| Surrogate: o-Terphenyl                  | 86.1 % |                 |                 | 50-150 |          | "       | "          | "          |       |
| <b>GBTEX+TMBs by 8260D</b>              |        |                 |                 |        |          |         |            |            |       |
| 1,2,4-Trimethylbenzene                  | ND     |                 | 0.00200         | mg/kg  | 1        | B5D2603 | 04/26/2025 | 04/26/2025 | U     |
| 1,3,5-Trimethylbenzene                  | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Benzene                                 | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Ethylbenzene                            | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Toluene                                 | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Xylenes, total                          | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Gasoline Range Hydrocarbons             | ND     |                 | 0.200           | "      | "        | "       | "          | "          | U     |

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GACO0425T050S017

4/25/2025 11:15:00AM

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

E5D0751-02 (Soil)  
Origins Laboratory

**GBTEX+TMBs by 8260D**

|                                  |        |  |        |  |  |         |            |            |  |
|----------------------------------|--------|--|--------|--|--|---------|------------|------------|--|
| Surrogate: 1,2-Dichloroethane-d4 | 108 %  |  | 70-130 |  |  | B5D2603 | 04/26/2025 | 04/26/2025 |  |
| Surrogate: Toluene-d8            | 97.5 % |  | 70-130 |  |  | "       | "          | "          |  |
| Surrogate: 4-Bromofluorobenzene  | 102 %  |  | 70-130 |  |  | "       | "          | "          |  |

**Metals by Saturated Paste by EPA 6010**

|           |      |       |       |    |        |            |            |  |
|-----------|------|-------|-------|----|--------|------------|------------|--|
| Calcium   | 5.03 | 0.499 | meq/L | 10 | [CALC] | 04/27/2025 | 04/30/2025 |  |
| Magnesium | 2.29 | 0.823 | "     | "  | "      | "          | "          |  |
| Sodium    | 2.17 | 0.435 | "     | "  | "      | "          | "          |  |

**PAH by EPA 8270E extracted via 3580A**

|                         |    |       |       |   |         |            |            |   |
|-------------------------|----|-------|-------|---|---------|------------|------------|---|
| 1-Methylnaphthalene     | ND | 0.002 | mg/kg | 1 | B5D2820 | 04/28/2025 | 04/28/2025 | U |
| 2-Methylnaphthalene     | ND | 0.002 | "     | " | "       | "          | "          | U |
| Acenaphthene            | ND | 0.020 | "     | " | "       | "          | "          | U |
| Anthracene              | ND | 0.020 | "     | " | "       | "          | "          | U |
| Benzo (a) anthracene    | ND | 0.005 | "     | " | "       | "          | "          | U |
| Benzo (a) pyrene        | ND | 0.020 | "     | " | "       | "          | "          | U |
| Benzo (b) fluoranthene  | ND | 0.020 | "     | " | "       | "          | "          | U |
| Benzo (k) fluoranthene  | ND | 0.020 | "     | " | "       | "          | "          | U |
| Chrysene                | ND | 0.020 | "     | " | "       | "          | "          | U |
| Dibenz (a,h) anthracene | ND | 0.020 | "     | " | "       | "          | "          | U |

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GACO0425T050S017

4/25/2025 11:15:00AM

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

E5D0751-02 (Soil)  
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

|                          |    |       |       |   |         |            |            |   |
|--------------------------|----|-------|-------|---|---------|------------|------------|---|
| Fluoranthene             | ND | 0.020 | mg/kg | 1 | B5D2820 | 04/28/2025 | 04/28/2025 | U |
| Fluorene                 | ND | 0.020 | "     | " | "       | "          | "          | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | "     | " | "       | "          | "          | U |
| Naphthalene              | ND | 0.002 | "     | " | "       | "          | "          | U |
| Pyrene                   | ND | 0.020 | "     | " | "       | "          | "          | U |

|                                 |        |        |   |   |   |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10         | 99.5 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10       | 99.1 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10           | 101 %  | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 100 %  | 60-130 | " | " | " |

pH in Soil by 9045D

|    |      |          |   |         |            |            |
|----|------|----------|---|---------|------------|------------|
| pH | 8.11 | pH Units | 1 | B5D2721 | 04/27/2025 | 04/29/2025 |
|----|------|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

|     |      |        |     |   |         |            |            |
|-----|------|--------|-----|---|---------|------------|------------|
| SAR | 1.14 | 0.0100 | SAR | 1 | B5D2709 | 04/27/2025 | 04/30/2025 |
|-----|------|--------|-----|---|---------|------------|------------|

Specific Conductance Mod. 9050A

|                           |      |         |          |   |         |            |            |
|---------------------------|------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 1.17 | 0.00500 | mmhos/cm | 1 | B5D2721 | 04/27/2025 | 04/29/2025 |
|---------------------------|------|---------|----------|---|---------|------------|------------|

Table 915 metals by EPA 6020B

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| Analyte                                 | Result | Detection Limit | Reporting Limit | Units | Dilution | Batch   | Prepared   | Analyzed   | Notes |
|---|--------|-----------------|-----------------|-------|----------|---------|------------|------------|-------|
| E5D0751-02 (Soil)<br>Origins Laboratory |        |                 |                 |       |          |         |            |            |       |
| Table 915 metals by EPA 6020B           |        |                 |                 |       |          |         |            |            |       |
| Arsenic                                 | 14.8   |                 | 0.284           | mg/kg | 10       | B5D2703 | 04/27/2025 | 04/28/2025 |       |
| Barium                                  | 160    |                 | 9.80            | "     | "        | "       | "          | "          |       |
| Cadmium                                 | 0.498  |                 | 0.0980          | "     | "        | "       | "          | "          |       |
| Copper                                  | 12.4   |                 | 9.80            | "     | "        | "       | "          | "          |       |
| Lead                                    | 8.81   |                 | 0.980           | "     | "        | "       | "          | "          |       |
| Nickel                                  | 9.48   |                 | 0.980           | "     | "        | "       | "          | "          |       |
| Selenium                                | 0.661  |                 | 0.255           | "     | "        | "       | "          | "          |       |
| Silver                                  | ND     |                 | 0.0980          | "     | "        | "       | "          | "          |       |
| Zinc                                    | 47.6   |                 | 36.3            | "     | "        | "       | "          | "          |       |

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| Analyte                                 | Result | Detection Limit | Reporting Limit | Units  | Dilution | Batch   | Prepared   | Analyzed   | Notes |
|---|--------|-----------------|-----------------|--------|----------|---------|------------|------------|-------|
| E5D0751-03 (Soil)<br>Origins Laboratory |        |                 |                 |        |          |         |            |            |       |
| <b>Boron (DTPA Sorbitol)</b>            |        |                 |                 |        |          |         |            |            |       |
| Boron                                   | 1.05   |                 | 0.0982          | mg/L   | 1        | B5D2715 | 04/27/2025 | 04/30/2025 |       |
| <b>Chromium Hexavalent by EPA 7199</b>  |        |                 |                 |        |          |         |            |            |       |
| Hexavalent Chromium                     | ND     |                 | 0.256           | mg/kg  | 1        | B5D2846 | 04/28/2025 | 05/08/2025 |       |
| <b>DRO/ORO by EPA 8015D</b>             |        |                 |                 |        |          |         |            |            |       |
| Diesel (C10-C28)                        | ND     |                 | 25.0            | mg/kg  | 1        | B5D2814 | 04/28/2025 | 04/28/2025 | U     |
| Residual Range Organics (C28-C40)       | ND     |                 | 100             | "      | "        | "       | "          | "          | U     |
| Surrogate: o-Terphenyl                  | 74.5 % |                 |                 | 50-150 |          | "       | "          | "          |       |
| <b>GBTEX+TMBs by 8260D</b>              |        |                 |                 |        |          |         |            |            |       |
| 1,2,4-Trimethylbenzene                  | ND     |                 | 0.00200         | mg/kg  | 1        | B5D2603 | 04/26/2025 | 04/26/2025 | U     |
| 1,3,5-Trimethylbenzene                  | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Benzene                                 | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Ethylbenzene                            | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Toluene                                 | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Xylenes, total                          | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Gasoline Range Hydrocarbons             | ND     |                 | 0.200           | "      | "        | "       | "          | "          | U     |

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Jordan A. Bynon, Project Manager





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

E5D0751-03 (Soil)  
Origins Laboratory

**GBTEX+TMBs by 8260D**

|                                  |        |  |        |  |  |         |            |            |  |
|----------------------------------|--------|--|--------|--|--|---------|------------|------------|--|
| Surrogate: 1,2-Dichloroethane-d4 | 108 %  |  | 70-130 |  |  | B5D2603 | 04/26/2025 | 04/26/2025 |  |
| Surrogate: Toluene-d8            | 97.7 % |  | 70-130 |  |  | "       | "          | "          |  |
| Surrogate: 4-Bromofluorobenzene  | 104 %  |  | 70-130 |  |  | "       | "          | "          |  |

**Metals by Saturated Paste by EPA 6010**

|           |      |       |       |    |        |            |            |  |
|-----------|------|-------|-------|----|--------|------------|------------|--|
| Calcium   | 9.02 | 0.499 | meq/L | 10 | [CALC] | 04/27/2025 | 04/30/2025 |  |
| Magnesium | 3.68 | 0.823 | "     | "  | "      | "          | "          |  |
| Sodium    | 2.79 | 0.435 | "     | "  | "      | "          | "          |  |

**PAH by EPA 8270E extracted via 3580A**

|                         |    |       |       |   |         |            |            |   |
|-------------------------|----|-------|-------|---|---------|------------|------------|---|
| 1-Methylnaphthalene     | ND | 0.002 | mg/kg | 1 | B5D2820 | 04/28/2025 | 04/28/2025 | U |
| 2-Methylnaphthalene     | ND | 0.002 | "     | " | "       | "          | "          | U |
| Acenaphthene            | ND | 0.020 | "     | " | "       | "          | "          | U |
| Anthracene              | ND | 0.020 | "     | " | "       | "          | "          | U |
| Benzo (a) anthracene    | ND | 0.005 | "     | " | "       | "          | "          | U |
| Benzo (a) pyrene        | ND | 0.020 | "     | " | "       | "          | "          | U |
| Benzo (b) fluoranthene  | ND | 0.020 | "     | " | "       | "          | "          | U |
| Benzo (k) fluoranthene  | ND | 0.020 | "     | " | "       | "          | "          | U |
| Chrysene                | ND | 0.020 | "     | " | "       | "          | "          | U |
| Dibenz (a,h) anthracene | ND | 0.020 | "     | " | "       | "          | "          | U |

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

E5D0751-03 (Soil)  
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

|                          |    |       |       |   |         |            |            |   |
|--------------------------|----|-------|-------|---|---------|------------|------------|---|
| Fluoranthene             | ND | 0.020 | mg/kg | 1 | B5D2820 | 04/28/2025 | 04/28/2025 | U |
| Fluorene                 | ND | 0.020 | "     | " | "       | "          | "          | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | "     | " | "       | "          | "          | U |
| Naphthalene              | ND | 0.002 | "     | " | "       | "          | "          | U |
| Pyrene                   | ND | 0.020 | "     | " | "       | "          | "          | U |

|                                 |        |        |   |   |   |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10         | 99.0 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10       | 98.5 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10           | 103 %  | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 101 %  | 60-130 | " | " | " |

pH in Soil by 9045D

|    |      |          |   |         |            |            |
|----|------|----------|---|---------|------------|------------|
| pH | 8.11 | pH Units | 1 | B5D2721 | 04/27/2025 | 04/29/2025 |
|----|------|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

|     |      |        |     |   |         |            |            |
|-----|------|--------|-----|---|---------|------------|------------|
| SAR | 1.11 | 0.0100 | SAR | 1 | B5D2709 | 04/27/2025 | 04/30/2025 |
|-----|------|--------|-----|---|---------|------------|------------|

Specific Conductance Mod. 9050A

|                           |      |         |          |   |         |            |            |
|---------------------------|------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 2.36 | 0.00500 | mmhos/cm | 1 | B5D2721 | 04/27/2025 | 04/29/2025 |
|---------------------------|------|---------|----------|---|---------|------------|------------|

Table 915 metals by EPA 6020B

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| Analyte                                 | Result | Detection Limit | Reporting Limit | Units | Dilution | Batch   | Prepared   | Analyzed   | Notes |
|---|--------|-----------------|-----------------|-------|----------|---------|------------|------------|-------|
| E5D0751-03 (Soil)<br>Origins Laboratory |        |                 |                 |       |          |         |            |            |       |
| Table 915 metals by EPA 6020B           |        |                 |                 |       |          |         |            |            |       |
| Arsenic                                 | 8.44   |                 | 0.261           | mg/kg | 10       | B5D2703 | 04/27/2025 | 04/28/2025 |       |
| Barium                                  | 110    |                 | 9.01            | "     | "        | "       | "          | "          | "     |
| Cadmium                                 | 0.350  |                 | 0.0901          | "     | "        | "       | "          | "          | "     |
| Copper                                  | 14.2   |                 | 9.01            | "     | "        | "       | "          | "          | "     |
| Lead                                    | 11.7   |                 | 0.901           | "     | "        | "       | "          | "          | "     |
| Nickel                                  | 12.2   |                 | 0.901           | "     | "        | "       | "          | "          | "     |
| Selenium                                | 0.588  |                 | 0.234           | "     | "        | "       | "          | "          | "     |
| Silver                                  | ND     |                 | 0.0901          | "     | "        | "       | "          | "          | "     |
| Zinc                                    | 57.9   |                 | 33.3            | "     | "        | "       | "          | "          | "     |

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| Analyte                                 | Result | Detection Limit | Reporting Limit | Units  | Dilution | Batch   | Prepared   | Analyzed   | Notes |
|---|--------|-----------------|-----------------|--------|----------|---------|------------|------------|-------|
| E5D0751-04 (Soil)<br>Origins Laboratory |        |                 |                 |        |          |         |            |            |       |
| <b>Boron (DTPA Sorbitol)</b>            |        |                 |                 |        |          |         |            |            |       |
| Boron                                   | 0.960  |                 | 0.0999          | mg/L   | 1        | B5D2715 | 04/27/2025 | 04/30/2025 |       |
| <b>Chromium Hexavalent by EPA 7199</b>  |        |                 |                 |        |          |         |            |            |       |
| Hexavalent Chromium                     | ND     |                 | 0.249           | mg/kg  | 1        | B5D2846 | 04/28/2025 | 05/08/2025 |       |
| <b>DRO/ORO by EPA 8015D</b>             |        |                 |                 |        |          |         |            |            |       |
| Diesel (C10-C28)                        | ND     |                 | 25.0            | mg/kg  | 1        | B5D2814 | 04/28/2025 | 04/28/2025 | U     |
| Residual Range Organics (C28-C40)       | ND     |                 | 100             | "      | "        | "       | "          | "          | U     |
| Surrogate: o-Terphenyl                  | 96.5 % |                 |                 | 50-150 |          | "       | "          | "          |       |
| <b>GBTEX+TMBs by 8260D</b>              |        |                 |                 |        |          |         |            |            |       |
| 1,2,4-Trimethylbenzene                  | ND     |                 | 0.00200         | mg/kg  | 1        | B5D2603 | 04/26/2025 | 04/26/2025 | U     |
| 1,3,5-Trimethylbenzene                  | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Benzene                                 | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Ethylbenzene                            | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Toluene                                 | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Xylenes, total                          | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Gasoline Range Hydrocarbons             | ND     |                 | 0.200           | "      | "        | "       | "          | "          | U     |

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Jordan A. Bynon, Project Manager





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

E5D0751-04 (Soil)  
Origins Laboratory

GBTEX+TMBs by 8260D

|                                  |        |  |        |  |  |         |            |            |  |
|----------------------------------|--------|--|--------|--|--|---------|------------|------------|--|
| Surrogate: 1,2-Dichloroethane-d4 | 112 %  |  | 70-130 |  |  | B5D2603 | 04/26/2025 | 04/26/2025 |  |
| Surrogate: Toluene-d8            | 97.3 % |  | 70-130 |  |  | "       | "          | "          |  |
| Surrogate: 4-Bromofluorobenzene  | 103 %  |  | 70-130 |  |  | "       | "          | "          |  |

Metals by Saturated Paste by EPA 6010

|           |      |       |       |    |        |            |            |  |
|-----------|------|-------|-------|----|--------|------------|------------|--|
| Calcium   | 4.60 | 0.499 | meq/L | 10 | [CALC] | 04/27/2025 | 04/30/2025 |  |
| Magnesium | 2.47 | 0.823 | "     | "  | "      | "          | "          |  |
| Sodium    | 2.11 | 0.435 | "     | "  | "      | "          | "          |  |

PAH by EPA 8270E extracted via 3580A

|                         |    |       |       |   |         |            |            |   |
|-------------------------|----|-------|-------|---|---------|------------|------------|---|
| 1-Methylnaphthalene     | ND | 0.002 | mg/kg | 1 | B5D2820 | 04/28/2025 | 04/28/2025 | U |
| 2-Methylnaphthalene     | ND | 0.002 | "     | " | "       | "          | "          | U |
| Acenaphthene            | ND | 0.020 | "     | " | "       | "          | "          | U |
| Anthracene              | ND | 0.020 | "     | " | "       | "          | "          | U |
| Benzo (a) anthracene    | ND | 0.005 | "     | " | "       | "          | "          | U |
| Benzo (a) pyrene        | ND | 0.020 | "     | " | "       | "          | "          | U |
| Benzo (b) fluoranthene  | ND | 0.020 | "     | " | "       | "          | "          | U |
| Benzo (k) fluoranthene  | ND | 0.020 | "     | " | "       | "          | "          | U |
| Chrysene                | ND | 0.020 | "     | " | "       | "          | "          | U |
| Dibenz (a,h) anthracene | ND | 0.020 | "     | " | "       | "          | "          | U |

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| Analyte                                 | Result | Detection Limit | Reporting Limit | Units    | Dilution | Batch   | Prepared   | Analyzed   | Notes |
|---|--------|-----------------|-----------------|----------|----------|---------|------------|------------|-------|
| E5D0751-04 (Soil)<br>Origins Laboratory |        |                 |                 |          |          |         |            |            |       |
| PAH by EPA 8270E extracted via 3580A    |        |                 |                 |          |          |         |            |            |       |
| Fluoranthene                            | ND     |                 | 0.020           | mg/kg    | 1        | B5D2820 | 04/28/2025 | 04/28/2025 | U     |
| Fluorene                                | ND     |                 | 0.020           | "        | "        | "       | "          | "          | U     |
| Indeno (1,2,3-cd) pyrene                | ND     |                 | 0.020           | "        | "        | "       | "          | "          | U     |
| Naphthalene                             | ND     |                 | 0.002           | "        | "        | "       | "          | "          | U     |
| Pyrene                                  | ND     |                 | 0.020           | "        | "        | "       | "          | "          | U     |
| Surrogate: Fluorene-d10                 | 99.1 % |                 |                 | 60-130   |          | "       | "          | "          |       |
| Surrogate: Anthracene-d10               | 99.4 % |                 |                 | 60-130   |          | "       | "          | "          |       |
| Surrogate: Pyrene-d10                   | 102 %  |                 |                 | 60-130   |          | "       | "          | "          |       |
| Surrogate: Benzo (a) pyrene-d12         | 99.2 % |                 |                 | 60-130   |          | "       | "          | "          |       |
| pH in Soil by 9045D                     |        |                 |                 |          |          |         |            |            |       |
| pH                                      | 8.17   |                 |                 | pH Units | 1        | B5D2721 | 04/27/2025 | 04/29/2025 |       |
| SAR by 20B Saturated Paste              |        |                 |                 |          |          |         |            |            |       |
| SAR                                     | 1.12   |                 | 0.0100          | SAR      | 1        | B5D2709 | 04/27/2025 | 04/30/2025 |       |
| Specific Conductance Mod. 9050A         |        |                 |                 |          |          |         |            |            |       |
| Specific Conductance (EC)               | 1.10   |                 | 0.00500         | mmhos/cm | 1        | B5D2721 | 04/27/2025 | 04/29/2025 |       |
| Table 915 metals by EPA 6020B           |        |                 |                 |          |          |         |            |            |       |

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| Analyte                                 | Result | Detection Limit | Reporting Limit | Units | Dilution | Batch   | Prepared   | Analyzed   | Notes |
|---|--------|-----------------|-----------------|-------|----------|---------|------------|------------|-------|
| E5D0751-04 (Soil)<br>Origins Laboratory |        |                 |                 |       |          |         |            |            |       |
| Table 915 metals by EPA 6020B           |        |                 |                 |       |          |         |            |            |       |
| Arsenic                                 | 8.66   |                 | 0.261           | mg/kg | 10       | B5D2703 | 04/27/2025 | 04/28/2025 |       |
| Barium                                  | 165    |                 | 9.00            | "     | "        | "       | "          | "          | "     |
| Cadmium                                 | 0.288  |                 | 0.0900          | "     | "        | "       | "          | "          | "     |
| Copper                                  | 14.8   |                 | 9.00            | "     | "        | "       | "          | "          | "     |
| Lead                                    | 10.2   |                 | 0.900           | "     | "        | "       | "          | "          | "     |
| Nickel                                  | 10.6   |                 | 0.900           | "     | "        | "       | "          | "          | "     |
| Selenium                                | 0.481  |                 | 0.234           | "     | "        | "       | "          | "          | "     |
| Silver                                  | ND     |                 | 0.0900          | "     | "        | "       | "          | "          | "     |
| Zinc                                    | 65.1   |                 | 33.3            | "     | "        | "       | "          | "          | "     |

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| Analyte                                 | Result | Detection Limit | Reporting Limit | Units  | Dilution | Batch   | Prepared   | Analyzed   | Notes |
|---|--------|-----------------|-----------------|--------|----------|---------|------------|------------|-------|
| E5D0751-05 (Soil)<br>Origins Laboratory |        |                 |                 |        |          |         |            |            |       |
| <b>Boron (DTPA Sorbitol)</b>            |        |                 |                 |        |          |         |            |            |       |
| Boron                                   | 1.02   |                 | 0.102           | mg/L   | 1        | B5D2715 | 04/27/2025 | 04/30/2025 |       |
| <b>Chromium Hexavalent by EPA 7199</b>  |        |                 |                 |        |          |         |            |            |       |
| Hexavalent Chromium                     | ND     |                 | 0.242           | mg/kg  | 1        | B5D2846 | 04/28/2025 | 05/08/2025 |       |
| <b>DRO/ORO by EPA 8015D</b>             |        |                 |                 |        |          |         |            |            |       |
| Diesel (C10-C28)                        | ND     |                 | 25.0            | mg/kg  | 1        | B5D2814 | 04/28/2025 | 04/28/2025 | U     |
| Residual Range Organics (C28-C40)       | ND     |                 | 100             | "      | "        | "       | "          | "          | U     |
| Surrogate: o-Terphenyl                  | 90.7 % |                 |                 | 50-150 |          | "       | "          | "          |       |
| <b>GBTEX+TMBs by 8260D</b>              |        |                 |                 |        |          |         |            |            |       |
| 1,2,4-Trimethylbenzene                  | ND     |                 | 0.00200         | mg/kg  | 1        | B5D2603 | 04/26/2025 | 04/26/2025 | U     |
| 1,3,5-Trimethylbenzene                  | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Benzene                                 | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Ethylbenzene                            | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Toluene                                 | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Xylenes, total                          | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Gasoline Range Hydrocarbons             | ND     |                 | 0.200           | "      | "        | "       | "          | "          | U     |

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Jordan A. Bynon, Project Manager





CTEH

5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

GACO0425T050S015

4/25/2025 10:35:00AM

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

E5D0751-05 (Soil)

Origins Laboratory

**GBTEX+TMBs by 8260D**

|                                  |        |  |        |  |  |         |            |            |  |
|----------------------------------|--------|--|--------|--|--|---------|------------|------------|--|
| Surrogate: 1,2-Dichloroethane-d4 | 111 %  |  | 70-130 |  |  | B5D2603 | 04/26/2025 | 04/26/2025 |  |
| Surrogate: Toluene-d8            | 97.6 % |  | 70-130 |  |  | "       | "          | "          |  |
| Surrogate: 4-Bromofluorobenzene  | 103 %  |  | 70-130 |  |  | "       | "          | "          |  |

**Metals by Saturated Paste by EPA 6010**

|           |      |       |       |    |        |            |            |  |
|-----------|------|-------|-------|----|--------|------------|------------|--|
| Calcium   | 3.64 | 0.499 | meq/L | 10 | [CALC] | 04/27/2025 | 04/30/2025 |  |
| Magnesium | 1.82 | 0.823 | "     | "  | "      | "          | "          |  |
| Sodium    | 1.73 | 0.435 | "     | "  | "      | "          | "          |  |

**PAH by EPA 8270E extracted via 3580A**

|                         |    |       |       |   |         |            |            |   |
|-------------------------|----|-------|-------|---|---------|------------|------------|---|
| 1-Methylnaphthalene     | ND | 0.002 | mg/kg | 1 | B5D2820 | 04/28/2025 | 04/28/2025 | U |
| 2-Methylnaphthalene     | ND | 0.002 | "     | " | "       | "          | "          | U |
| Acenaphthene            | ND | 0.020 | "     | " | "       | "          | "          | U |
| Anthracene              | ND | 0.020 | "     | " | "       | "          | "          | U |
| Benzo (a) anthracene    | ND | 0.005 | "     | " | "       | "          | "          | U |
| Benzo (a) pyrene        | ND | 0.020 | "     | " | "       | "          | "          | U |
| Benzo (b) fluoranthene  | ND | 0.020 | "     | " | "       | "          | "          | U |
| Benzo (k) fluoranthene  | ND | 0.020 | "     | " | "       | "          | "          | U |
| Chrysene                | ND | 0.020 | "     | " | "       | "          | "          | U |
| Dibenz (a,h) anthracene | ND | 0.020 | "     | " | "       | "          | "          | U |

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| Analyte                                 | Result | Detection Limit | Reporting Limit | Units    | Dilution | Batch   | Prepared   | Analyzed   | Notes |
|---|--------|-----------------|-----------------|----------|----------|---------|------------|------------|-------|
| E5D0751-05 (Soil)<br>Origins Laboratory |        |                 |                 |          |          |         |            |            |       |
| PAH by EPA 8270E extracted via 3580A    |        |                 |                 |          |          |         |            |            |       |
| Fluoranthene                            | ND     |                 | 0.020           | mg/kg    | 1        | B5D2820 | 04/28/2025 | 04/28/2025 | U     |
| Fluorene                                | ND     |                 | 0.020           | "        | "        | "       | "          | "          | U     |
| Indeno (1,2,3-cd) pyrene                | ND     |                 | 0.020           | "        | "        | "       | "          | "          | U     |
| Naphthalene                             | ND     |                 | 0.002           | "        | "        | "       | "          | "          | U     |
| Pyrene                                  | ND     |                 | 0.020           | "        | "        | "       | "          | "          | U     |
| Surrogate: Fluorene-d10                 | 99.3 % |                 |                 | 60-130   |          | "       | "          | "          |       |
| Surrogate: Anthracene-d10               | 99.6 % |                 |                 | 60-130   |          | "       | "          | "          |       |
| Surrogate: Pyrene-d10                   | 101 %  |                 |                 | 60-130   |          | "       | "          | "          |       |
| Surrogate: Benzo (a) pyrene-d12         | 98.5 % |                 |                 | 60-130   |          | "       | "          | "          |       |
| pH in Soil by 9045D                     |        |                 |                 |          |          |         |            |            |       |
| pH                                      | 8.10   |                 |                 | pH Units | 1        | B5D2721 | 04/27/2025 | 04/29/2025 |       |
| SAR by 20B Saturated Paste              |        |                 |                 |          |          |         |            |            |       |
| SAR                                     | 1.05   |                 | 0.0100          | SAR      | 1        | B5D2709 | 04/27/2025 | 04/30/2025 |       |
| Specific Conductance Mod. 9050A         |        |                 |                 |          |          |         |            |            |       |
| Specific Conductance (EC)               | 0.986  |                 | 0.00500         | mmhos/cm | 1        | B5D2721 | 04/27/2025 | 04/29/2025 |       |
| Table 915 metals by EPA 6020B           |        |                 |                 |          |          |         |            |            |       |

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| Analyte                                 | Result | Detection Limit | Reporting Limit | Units | Dilution | Batch   | Prepared   | Analyzed   | Notes |
|---|--------|-----------------|-----------------|-------|----------|---------|------------|------------|-------|
| E5D0751-05 (Soil)<br>Origins Laboratory |        |                 |                 |       |          |         |            |            |       |
| Table 915 metals by EPA 6020B           |        |                 |                 |       |          |         |            |            |       |
| Arsenic                                 | 6.93   |                 | 0.268           | mg/kg | 10       | B5D2703 | 04/27/2025 | 04/28/2025 |       |
| Barium                                  | 93.4   |                 | 9.23            | "     | "        | "       | "          | "          |       |
| Cadmium                                 | 0.264  |                 | 0.0923          | "     | "        | "       | "          | "          |       |
| Copper                                  | 11.4   |                 | 9.23            | "     | "        | "       | "          | "          |       |
| Lead                                    | 10.5   |                 | 0.923           | "     | "        | "       | "          | "          |       |
| Nickel                                  | 9.88   |                 | 0.923           | "     | "        | "       | "          | "          |       |
| Selenium                                | 0.439  |                 | 0.240           | "     | "        | "       | "          | "          |       |
| Silver                                  | ND     |                 | 0.0923          | "     | "        | "       | "          | "          |       |
| Zinc                                    | 52.6   |                 | 34.2            | "     | "        | "       | "          | "          |       |

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GACO0425T050S013

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| Analyte                                 | Result | Detection Limit | Reporting Limit | Units  | Dilution | Batch   | Prepared   | Analyzed   | Notes |
|---|--------|-----------------|-----------------|--------|----------|---------|------------|------------|-------|
| E5D0751-06 (Soil)<br>Origins Laboratory |        |                 |                 |        |          |         |            |            |       |
| <b>Boron (DTPA Sorbitol)</b>            |        |                 |                 |        |          |         |            |            |       |
| Boron                                   | 0.816  |                 | 0.101           | mg/L   | 1        | B5D2715 | 04/27/2025 | 04/30/2025 |       |
| <b>Chromium Hexavalent by EPA 7199</b>  |        |                 |                 |        |          |         |            |            |       |
| Hexavalent Chromium                     | ND     |                 | 0.257           | mg/kg  | 1        | B5D2846 | 04/28/2025 | 05/09/2025 |       |
| <b>DRO/ORO by EPA 8015D</b>             |        |                 |                 |        |          |         |            |            |       |
| Diesel (C10-C28)                        | ND     |                 | 25.0            | mg/kg  | 1        | B5D2814 | 04/28/2025 | 04/28/2025 | U     |
| Residual Range Organics (C28-C40)       | ND     |                 | 100             | "      | "        | "       | "          | "          | U     |
| Surrogate: o-Terphenyl                  | 60.6 % |                 |                 | 50-150 |          | "       | "          | "          |       |
| <b>GBTEX+TMBs by 8260D</b>              |        |                 |                 |        |          |         |            |            |       |
| 1,2,4-Trimethylbenzene                  | ND     |                 | 0.00200         | mg/kg  | 1        | B5D2603 | 04/26/2025 | 04/26/2025 | U     |
| 1,3,5-Trimethylbenzene                  | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Benzene                                 | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Ethylbenzene                            | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Toluene                                 | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Xylenes, total                          | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Gasoline Range Hydrocarbons             | ND     |                 | 0.200           | "      | "        | "       | "          | "          | U     |

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

E5D0751-06 (Soil)  
Origins Laboratory

### GBTEX+TMBs by 8260D

|                                  |        |  |        |  |  |         |            |            |  |
|----------------------------------|--------|--|--------|--|--|---------|------------|------------|--|
| Surrogate: 1,2-Dichloroethane-d4 | 110 %  |  | 70-130 |  |  | B5D2603 | 04/26/2025 | 04/26/2025 |  |
| Surrogate: Toluene-d8            | 97.2 % |  | 70-130 |  |  | "       | "          | "          |  |
| Surrogate: 4-Bromofluorobenzene  | 103 %  |  | 70-130 |  |  | "       | "          | "          |  |

### Metals by Saturated Paste by EPA 6010

|           |      |       |       |    |        |            |            |  |
|-----------|------|-------|-------|----|--------|------------|------------|--|
| Calcium   | 6.48 | 0.499 | meq/L | 10 | [CALC] | 04/27/2025 | 04/30/2025 |  |
| Magnesium | 2.93 | 0.823 | "     | "  | "      | "          | "          |  |
| Sodium    | 3.07 | 0.435 | "     | "  | "      | "          | "          |  |

### PAH by EPA 8270E extracted via 3580A

|                         |    |       |       |   |         |            |            |   |
|-------------------------|----|-------|-------|---|---------|------------|------------|---|
| 1-Methylnaphthalene     | ND | 0.002 | mg/kg | 1 | B5D2820 | 04/28/2025 | 04/28/2025 | U |
| 2-Methylnaphthalene     | ND | 0.002 | "     | " | "       | "          | "          | U |
| Acenaphthene            | ND | 0.020 | "     | " | "       | "          | "          | U |
| Anthracene              | ND | 0.020 | "     | " | "       | "          | "          | U |
| Benzo (a) anthracene    | ND | 0.005 | "     | " | "       | "          | "          | U |
| Benzo (a) pyrene        | ND | 0.020 | "     | " | "       | "          | "          | U |
| Benzo (b) fluoranthene  | ND | 0.020 | "     | " | "       | "          | "          | U |
| Benzo (k) fluoranthene  | ND | 0.020 | "     | " | "       | "          | "          | U |
| Chrysene                | ND | 0.020 | "     | " | "       | "          | "          | U |
| Dibenz (a,h) anthracene | ND | 0.020 | "     | " | "       | "          | "          | U |

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**4/25/2025 10:00:00AM**

| Analyte   | Result | Detection Limit | Reporting Limit | Units    | Dilution | Batch   | Prepared   | Analyzed   | Notes |
|---|--------|-----------------|-----------------|----------|----------|---------|------------|------------|-------|
| <b>E5D0751-06 (Soil)</b><br><b>Origins Laboratory</b> |        |                 |                 |          |          |         |            |            |       |
| <b>PAH by EPA 8270E extracted via 3580A</b>           |        |                 |                 |          |          |         |            |            |       |
| Fluoranthene  | ND     |                 | 0.020           | mg/kg    | 1        | B5D2820 | 04/28/2025 | 04/28/2025 | U     |
| Fluorene  | ND     |                 | 0.020           | "        | "        | "       | "          | "          | U     |
| Indeno (1,2,3-cd) pyrene                              | ND     |                 | 0.020           | "        | "        | "       | "          | "          | U     |
| Naphthalene   | ND     |                 | 0.002           | "        | "        | "       | "          | "          | U     |
| Pyrene  | ND     |                 | 0.020           | "        | "        | "       | "          | "          | U     |
| Surrogate: Fluorene-d10                               | 98.9 % |                 |                 | 60-130   |          | "       | "          | "          |       |
| Surrogate: Anthracene-d10                             | 99.0 % |                 |                 | 60-130   |          | "       | "          | "          |       |
| Surrogate: Pyrene-d10                                 | 102 %  |                 |                 | 60-130   |          | "       | "          | "          |       |
| Surrogate: Benzo (a) pyrene-d12                       | 98.7 % |                 |                 | 60-130   |          | "       | "          | "          |       |
| <b>pH in Soil by 9045D</b>                            |        |                 |                 |          |          |         |            |            |       |
| pH  | 8.04   |                 |                 | pH Units | 1        | B5D2721 | 04/27/2025 | 04/29/2025 |       |
| <b>SAR by 20B Saturated Paste</b>                     |        |                 |                 |          |          |         |            |            |       |
| SAR   | 1.41   |                 | 0.0100          | SAR      | 1        | B5D2709 | 04/27/2025 | 04/30/2025 |       |
| <b>Specific Conductance Mod. 9050A</b>                |        |                 |                 |          |          |         |            |            |       |
| Specific Conductance (EC)                             | 1.77   |                 | 0.00500         | mmhos/cm | 1        | B5D2721 | 04/27/2025 | 04/29/2025 |       |
| <b>Table 915 metals by EPA 6020B</b>                  |        |                 |                 |          |          |         |            |            |       |

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| Analyte                                 | Result | Detection Limit | Reporting Limit | Units | Dilution | Batch   | Prepared   | Analyzed   | Notes |
|---|--------|-----------------|-----------------|-------|----------|---------|------------|------------|-------|
| E5D0751-06 (Soil)<br>Origins Laboratory |        |                 |                 |       |          |         |            |            |       |
| Table 915 metals by EPA 6020B           |        |                 |                 |       |          |         |            |            |       |
| Arsenic                                 | 5.29   |                 | 0.268           | mg/kg | 10       | B5D2703 | 04/27/2025 | 04/28/2025 |       |
| Barium                                  | 108    |                 | 9.26            | "     | "        | "       | "          | "          |       |
| Cadmium                                 | 0.229  |                 | 0.0926          | "     | "        | "       | "          | "          |       |
| Copper                                  | 12.6   |                 | 9.26            | "     | "        | "       | "          | "          |       |
| Lead                                    | 9.91   |                 | 0.926           | "     | "        | "       | "          | "          |       |
| Nickel                                  | 10.0   |                 | 0.926           | "     | "        | "       | "          | "          |       |
| Selenium                                | 0.346  |                 | 0.241           | "     | "        | "       | "          | "          |       |
| Silver                                  | ND     |                 | 0.0926          | "     | "        | "       | "          | "          |       |
| Zinc                                    | 57.4   |                 | 34.3            | "     | "        | "       | "          | "          |       |

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Project Number: PROJ-054017  
Project: PROJ-054017

GACO0425T050S016

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| Analyte                                 | Result | Detection Limit | Reporting Limit | Units  | Dilution | Batch   | Prepared   | Analyzed   | Notes |
|---|--------|-----------------|-----------------|--------|----------|---------|------------|------------|-------|
| E5D0751-07 (Soil)<br>Origins Laboratory |        |                 |                 |        |          |         |            |            |       |
| <b>Boron (DTPA Sorbitol)</b>            |        |                 |                 |        |          |         |            |            |       |
| Boron                                   | 0.544  |                 | 0.0989          | mg/L   | 1        | B5D2716 | 04/27/2025 | 04/30/2025 |       |
| <b>Chromium Hexavalent by EPA 7199</b>  |        |                 |                 |        |          |         |            |            |       |
| Hexavalent Chromium                     | ND     |                 | 0.242           | mg/kg  | 1        | B5D2846 | 04/28/2025 | 05/09/2025 |       |
| <b>DRO/ORO by EPA 8015D</b>             |        |                 |                 |        |          |         |            |            |       |
| Diesel (C10-C28)                        | ND     |                 | 25.0            | mg/kg  | 1        | B5D2816 | 04/28/2025 | 04/28/2025 | U     |
| Residual Range Organics (C28-C40)       | ND     |                 | 100             | "      | "        | "       | "          | "          | U     |
| Surrogate: o-Terphenyl                  | 81.9 % |                 |                 | 50-150 |          | "       | "          | "          |       |
| <b>GBTEX+TMBs by 8260D</b>              |        |                 |                 |        |          |         |            |            |       |
| 1,2,4-Trimethylbenzene                  | ND     |                 | 0.00200         | mg/kg  | 1        | B5D2603 | 04/26/2025 | 04/26/2025 | U     |
| 1,3,5-Trimethylbenzene                  | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Benzene                                 | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Ethylbenzene                            | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Toluene                                 | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Xylenes, total                          | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Gasoline Range Hydrocarbons             | ND     |                 | 0.200           | "      | "        | "       | "          | "          | U     |

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

E5D0751-07 (Soil)  
Origins Laboratory

**GBTEX+TMBs by 8260D**

|                                  |        |  |        |  |         |            |            |  |
|----------------------------------|--------|--|--------|--|---------|------------|------------|--|
| Surrogate: 1,2-Dichloroethane-d4 | 110 %  |  | 70-130 |  | B5D2603 | 04/26/2025 | 04/26/2025 |  |
| Surrogate: Toluene-d8            | 96.5 % |  | 70-130 |  | "       | "          | "          |  |
| Surrogate: 4-Bromofluorobenzene  | 102 %  |  | 70-130 |  | "       | "          | "          |  |

**Metals by Saturated Paste by EPA 6010**

|           |      |       |       |    |        |            |            |  |
|-----------|------|-------|-------|----|--------|------------|------------|--|
| Calcium   | 5.95 | 0.499 | meq/L | 10 | [CALC] | 04/27/2025 | 04/30/2025 |  |
| Magnesium | 2.84 | 0.823 | "     | "  | "      | "          | "          |  |
| Sodium    | 2.41 | 0.435 | "     | "  | "      | "          | "          |  |

**PAH by EPA 8270E extracted via 3580A**

|                         |    |       |       |   |         |            |            |   |
|-------------------------|----|-------|-------|---|---------|------------|------------|---|
| 1-Methylnaphthalene     | ND | 0.002 | mg/kg | 1 | B5D2820 | 04/28/2025 | 04/28/2025 | U |
| 2-Methylnaphthalene     | ND | 0.002 | "     | " | "       | "          | "          | U |
| Acenaphthene            | ND | 0.020 | "     | " | "       | "          | "          | U |
| Anthracene              | ND | 0.020 | "     | " | "       | "          | "          | U |
| Benzo (a) anthracene    | ND | 0.005 | "     | " | "       | "          | "          | U |
| Benzo (a) pyrene        | ND | 0.020 | "     | " | "       | "          | "          | U |
| Benzo (b) fluoranthene  | ND | 0.020 | "     | " | "       | "          | "          | U |
| Benzo (k) fluoranthene  | ND | 0.020 | "     | " | "       | "          | "          | U |
| Chrysene                | ND | 0.020 | "     | " | "       | "          | "          | U |
| Dibenz (a,h) anthracene | ND | 0.020 | "     | " | "       | "          | "          | U |

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Project: PROJ-054017

GACO0425T050S016

4/25/2025 10:55:00AM

| Analyte                                 | Result | Detection Limit | Reporting Limit | Units    | Dilution | Batch   | Prepared   | Analyzed   | Notes |
|---|--------|-----------------|-----------------|----------|----------|---------|------------|------------|-------|
| E5D0751-07 (Soil)<br>Origins Laboratory |        |                 |                 |          |          |         |            |            |       |
| PAH by EPA 8270E extracted via 3580A    |        |                 |                 |          |          |         |            |            |       |
| Fluoranthene                            | ND     |                 | 0.020           | mg/kg    | 1        | B5D2820 | 04/28/2025 | 04/28/2025 | U     |
| Fluorene                                | ND     |                 | 0.020           | "        | "        | "       | "          | "          | U     |
| Indeno (1,2,3-cd) pyrene                | ND     |                 | 0.020           | "        | "        | "       | "          | "          | U     |
| Naphthalene                             | ND     |                 | 0.002           | "        | "        | "       | "          | "          | U     |
| Pyrene                                  | ND     |                 | 0.020           | "        | "        | "       | "          | "          | U     |
| Surrogate: Fluorene-d10                 | 99.1 % |                 |                 | 60-130   |          | "       | "          | "          |       |
| Surrogate: Anthracene-d10               | 98.6 % |                 |                 | 60-130   |          | "       | "          | "          |       |
| Surrogate: Pyrene-d10                   | 103 %  |                 |                 | 60-130   |          | "       | "          | "          |       |
| Surrogate: Benzo (a) pyrene-d12         | 99.4 % |                 |                 | 60-130   |          | "       | "          | "          |       |
| pH in Soil by 9045D                     |        |                 |                 |          |          |         |            |            |       |
| pH                                      | 7.71   |                 |                 | pH Units | 1        | B5D2722 | 04/27/2025 | 04/29/2025 |       |
| SAR by 20B Saturated Paste              |        |                 |                 |          |          |         |            |            |       |
| SAR                                     | 1.15   |                 | 0.0100          | SAR      | 1        | B5D2710 | 04/27/2025 | 04/30/2025 |       |
| Specific Conductance Mod. 9050A         |        |                 |                 |          |          |         |            |            |       |
| Specific Conductance (EC)               | 1.22   |                 | 0.00500         | mmhos/cm | 1        | B5D2722 | 04/27/2025 | 04/29/2025 |       |
| Table 915 metals by EPA 6020B           |        |                 |                 |          |          |         |            |            |       |

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4/25/2025 10:55:00AM

| Analyte                                 | Result | Detection Limit | Reporting Limit | Units | Dilution | Batch   | Prepared   | Analyzed   | Notes |
|---|--------|-----------------|-----------------|-------|----------|---------|------------|------------|-------|
| E5D0751-07 (Soil)<br>Origins Laboratory |        |                 |                 |       |          |         |            |            |       |
| Table 915 metals by EPA 6020B           |        |                 |                 |       |          |         |            |            |       |
| Arsenic                                 | 5.09   |                 | 0.267           | mg/kg | 10       | B5D2703 | 04/27/2025 | 04/28/2025 |       |
| Barium                                  | 67.3   |                 | 9.20            | "     | "        | "       | "          | "          | "     |
| Cadmium                                 | 0.203  |                 | 0.0920          | "     | "        | "       | "          | "          | "     |
| Copper                                  | 9.99   |                 | 9.20            | "     | "        | "       | "          | "          | "     |
| Lead                                    | 8.17   |                 | 0.920           | "     | "        | "       | "          | "          | "     |
| Nickel                                  | 8.17   |                 | 0.920           | "     | "        | "       | "          | "          | "     |
| Selenium                                | 0.405  |                 | 0.239           | "     | "        | "       | "          | "          | "     |
| Silver                                  | ND     |                 | 0.0920          | "     | "        | "       | "          | "          | "     |
| Zinc                                    | 46.3   |                 | 34.1            | "     | "        | "       | "          | "          | "     |

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| Analyte                                 | Result | Detection Limit | Reporting Limit | Units  | Dilution | Batch   | Prepared   | Analyzed   | Notes |
|---|--------|-----------------|-----------------|--------|----------|---------|------------|------------|-------|
| E5D0751-08 (Soil)<br>Origins Laboratory |        |                 |                 |        |          |         |            |            |       |
| <b>Boron (DTPA Sorbitol)</b>            |        |                 |                 |        |          |         |            |            |       |
| Boron                                   | 0.724  |                 | 0.0987          | mg/L   | 1        | B5D2716 | 04/27/2025 | 04/30/2025 |       |
| <b>Chromium Hexavalent by EPA 7199</b>  |        |                 |                 |        |          |         |            |            |       |
| Hexavalent Chromium                     | ND     |                 | 0.241           | mg/kg  | 1        | B5D2847 | 04/28/2025 | 05/07/2025 |       |
| <b>DRO/ORO by EPA 8015D</b>             |        |                 |                 |        |          |         |            |            |       |
| Diesel (C10-C28)                        | ND     |                 | 25.0            | mg/kg  | 1        | B5D2816 | 04/28/2025 | 04/28/2025 | U     |
| Residual Range Organics (C28-C40)       | ND     |                 | 100             | "      | "        | "       | "          | "          | U     |
| Surrogate: o-Terphenyl                  | 82.1 % |                 |                 | 50-150 |          | "       | "          | "          |       |
| <b>GBTEX+TMBs by 8260D</b>              |        |                 |                 |        |          |         |            |            |       |
| 1,2,4-Trimethylbenzene                  | ND     |                 | 0.00200         | mg/kg  | 1        | B5D2603 | 04/26/2025 | 04/26/2025 | U     |
| 1,3,5-Trimethylbenzene                  | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Benzene                                 | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Ethylbenzene                            | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Toluene                                 | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Xylenes, total                          | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Gasoline Range Hydrocarbons             | ND     |                 | 0.200           | "      | "        | "       | "          | "          | U     |

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Jordan A. Bynon, Project Manager





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| Analyte                                 | Result | Detection Limit | Reporting Limit | Units  | Dilution | Batch   | Prepared   | Analyzed   | Notes |
|---|--------|-----------------|-----------------|--------|----------|---------|------------|------------|-------|
| E5D0751-08 (Soil)<br>Origins Laboratory |        |                 |                 |        |          |         |            |            |       |
| GBTEX+TMBs by 8260D                     |        |                 |                 |        |          |         |            |            |       |
| Surrogate: 1,2-Dichloroethane-d4        | 111 %  |                 |                 | 70-130 |          | B5D2603 | 04/26/2025 | 04/26/2025 |       |
| Surrogate: Toluene-d8                   | 96.9 % |                 |                 | 70-130 |          | "       | "          | "          |       |
| Surrogate: 4-Bromofluorobenzene         | 103 %  |                 |                 | 70-130 |          | "       | "          | "          |       |
| Metals by Saturated Paste by EPA 6010   |        |                 |                 |        |          |         |            |            |       |
| Calcium                                 | 3.27   |                 | 0.499           | meq/L  | 10       | [CALC]  | 04/27/2025 | 04/30/2025 |       |
| Magnesium                               | 1.48   |                 | 0.823           | "      | "        | "       | "          | "          |       |
| Sodium                                  | 1.97   |                 | 0.435           | "      | "        | "       | "          | "          |       |
| PAH by EPA 8270E extracted via 3580A    |        |                 |                 |        |          |         |            |            |       |
| 1-Methylnaphthalene                     | ND     |                 | 0.002           | mg/kg  | 1        | B5D2820 | 04/28/2025 | 04/28/2025 | U     |
| 2-Methylnaphthalene                     | ND     |                 | 0.002           | "      | "        | "       | "          | "          | U     |
| Acenaphthene                            | ND     |                 | 0.020           | "      | "        | "       | "          | "          | U     |
| Anthracene                              | ND     |                 | 0.020           | "      | "        | "       | "          | "          | U     |
| Benzo (a) anthracene                    | ND     |                 | 0.005           | "      | "        | "       | "          | "          | U     |
| Benzo (a) pyrene                        | ND     |                 | 0.020           | "      | "        | "       | "          | "          | U     |
| Benzo (b) fluoranthene                  | ND     |                 | 0.020           | "      | "        | "       | "          | "          | U     |
| Benzo (k) fluoranthene                  | ND     |                 | 0.020           | "      | "        | "       | "          | "          | U     |
| Chrysene                                | ND     |                 | 0.020           | "      | "        | "       | "          | "          | U     |
| Dibenz (a,h) anthracene                 | ND     |                 | 0.020           | "      | "        | "       | "          | "          | U     |

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| Analyte                                 | Result | Detection Limit | Reporting Limit | Units    | Dilution | Batch   | Prepared   | Analyzed   | Notes |
|---|--------|-----------------|-----------------|----------|----------|---------|------------|------------|-------|
| E5D0751-08 (Soil)<br>Origins Laboratory |        |                 |                 |          |          |         |            |            |       |
| PAH by EPA 8270E extracted via 3580A    |        |                 |                 |          |          |         |            |            |       |
| Fluoranthene                            | ND     |                 | 0.020           | mg/kg    | 1        | B5D2820 | 04/28/2025 | 04/28/2025 | U     |
| Fluorene                                | ND     |                 | 0.020           | "        | "        | "       | "          | "          | U     |
| Indeno (1,2,3-cd) pyrene                | ND     |                 | 0.020           | "        | "        | "       | "          | "          | U     |
| Naphthalene                             | ND     |                 | 0.002           | "        | "        | "       | "          | "          | U     |
| Pyrene                                  | ND     |                 | 0.020           | "        | "        | "       | "          | "          | U     |
| Surrogate: Fluorene-d10                 | 98.8 % |                 |                 | 60-130   |          | "       | "          | "          |       |
| Surrogate: Anthracene-d10               | 99.6 % |                 |                 | 60-130   |          | "       | "          | "          |       |
| Surrogate: Pyrene-d10                   | 103 %  |                 |                 | 60-130   |          | "       | "          | "          |       |
| Surrogate: Benzo (a) pyrene-d12         | 100 %  |                 |                 | 60-130   |          | "       | "          | "          |       |
| pH in Soil by 9045D                     |        |                 |                 |          |          |         |            |            |       |
| pH                                      | 7.93   |                 |                 | pH Units | 1        | B5D2722 | 04/27/2025 | 04/29/2025 |       |
| SAR by 20B Saturated Paste              |        |                 |                 |          |          |         |            |            |       |
| SAR                                     | 1.28   |                 | 0.0100          | SAR      | 1        | B5D2710 | 04/27/2025 | 04/30/2025 |       |
| Specific Conductance Mod. 9050A         |        |                 |                 |          |          |         |            |            |       |
| Specific Conductance (EC)               | 0.676  |                 | 0.00500         | mmhos/cm | 1        | B5D2722 | 04/27/2025 | 04/29/2025 |       |
| Table 915 metals by EPA 6020B           |        |                 |                 |          |          |         |            |            |       |

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| Analyte                                 | Result | Detection Limit | Reporting Limit | Units | Dilution | Batch   | Prepared   | Analyzed   | Notes |
|---|--------|-----------------|-----------------|-------|----------|---------|------------|------------|-------|
| E5D0751-08 (Soil)<br>Origins Laboratory |        |                 |                 |       |          |         |            |            |       |
| Table 915 metals by EPA 6020B           |        |                 |                 |       |          |         |            |            |       |
| Arsenic                                 | 5.32   |                 | 0.269           | mg/kg | 10       | B5D2703 | 04/27/2025 | 04/28/2025 |       |
| Barium                                  | 102    |                 | 9.29            | "     | "        | "       | "          | "          | "     |
| Cadmium                                 | 0.227  |                 | 0.0929          | "     | "        | "       | "          | "          | "     |
| Copper                                  | 12.5   |                 | 9.29            | "     | "        | "       | "          | "          | "     |
| Lead                                    | 9.40   |                 | 0.929           | "     | "        | "       | "          | "          | "     |
| Nickel                                  | 9.39   |                 | 0.929           | "     | "        | "       | "          | "          | "     |
| Selenium                                | 0.353  |                 | 0.241           | "     | "        | "       | "          | "          | "     |
| Silver                                  | ND     |                 | 0.0929          | "     | "        | "       | "          | "          | "     |
| Zinc                                    | 54.8   |                 | 34.4            | "     | "        | "       | "          | "          | "     |

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| Analyte                                 | Result | Detection Limit | Reporting Limit | Units  | Dilution | Batch   | Prepared   | Analyzed   | Notes |
|---|--------|-----------------|-----------------|--------|----------|---------|------------|------------|-------|
| E5D0751-09 (Soil)<br>Origins Laboratory |        |                 |                 |        |          |         |            |            |       |
| <b>Boron (DTPA Sorbitol)</b>            |        |                 |                 |        |          |         |            |            |       |
| Boron                                   | 0.618  |                 | 0.0984          | mg/L   | 1        | B5D2716 | 04/27/2025 | 04/30/2025 |       |
| <b>Chromium Hexavalent by EPA 7199</b>  |        |                 |                 |        |          |         |            |            |       |
| Hexavalent Chromium                     | ND     |                 | 0.249           | mg/kg  | 1        | B5D2847 | 04/28/2025 | 05/07/2025 |       |
| <b>DRO/ORO by EPA 8015D</b>             |        |                 |                 |        |          |         |            |            |       |
| Diesel (C10-C28)                        | ND     |                 | 25.0            | mg/kg  | 1        | B5D2816 | 04/28/2025 | 04/28/2025 | U     |
| Residual Range Organics (C28-C40)       | ND     |                 | 100             | "      | "        | "       | "          | "          | U     |
| Surrogate: o-Terphenyl                  | 87.5 % |                 |                 | 50-150 |          | "       | "          | "          |       |
| <b>GBTEX+TMBs by 8260D</b>              |        |                 |                 |        |          |         |            |            |       |
| 1,2,4-Trimethylbenzene                  | ND     |                 | 0.00200         | mg/kg  | 1        | B5D2603 | 04/26/2025 | 04/26/2025 | U     |
| 1,3,5-Trimethylbenzene                  | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Benzene                                 | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Ethylbenzene                            | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Toluene                                 | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Xylenes, total                          | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Gasoline Range Hydrocarbons             | ND     |                 | 0.200           | "      | "        | "       | "          | "          | U     |

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

E5D0751-09 (Soil)  
Origins Laboratory

**GBTEX+TMBs by 8260D**

|                                  |        |  |        |  |  |         |            |            |  |
|----------------------------------|--------|--|--------|--|--|---------|------------|------------|--|
| Surrogate: 1,2-Dichloroethane-d4 | 110 %  |  | 70-130 |  |  | B5D2603 | 04/26/2025 | 04/26/2025 |  |
| Surrogate: Toluene-d8            | 98.2 % |  | 70-130 |  |  | "       | "          | "          |  |
| Surrogate: 4-Bromofluorobenzene  | 102 %  |  | 70-130 |  |  | "       | "          | "          |  |

**Metals by Saturated Paste by EPA 6010**

|           |      |       |       |    |        |            |            |  |
|-----------|------|-------|-------|----|--------|------------|------------|--|
| Calcium   | 10.6 | 0.499 | meq/L | 10 | [CALC] | 04/27/2025 | 04/30/2025 |  |
| Magnesium | 5.29 | 0.823 | "     | "  | "      | "          | "          |  |
| Sodium    | 5.77 | 0.435 | "     | "  | "      | "          | "          |  |

**PAH by EPA 8270E extracted via 3580A**

|                         |    |       |       |   |         |            |            |   |
|-------------------------|----|-------|-------|---|---------|------------|------------|---|
| 1-Methylnaphthalene     | ND | 0.002 | mg/kg | 1 | B5D2820 | 04/28/2025 | 04/28/2025 | U |
| 2-Methylnaphthalene     | ND | 0.002 | "     | " | "       | "          | "          | U |
| Acenaphthene            | ND | 0.020 | "     | " | "       | "          | "          | U |
| Anthracene              | ND | 0.020 | "     | " | "       | "          | "          | U |
| Benzo (a) anthracene    | ND | 0.005 | "     | " | "       | "          | "          | U |
| Benzo (a) pyrene        | ND | 0.020 | "     | " | "       | "          | "          | U |
| Benzo (b) fluoranthene  | ND | 0.020 | "     | " | "       | "          | "          | U |
| Benzo (k) fluoranthene  | ND | 0.020 | "     | " | "       | "          | "          | U |
| Chrysene                | ND | 0.020 | "     | " | "       | "          | "          | U |
| Dibenz (a,h) anthracene | ND | 0.020 | "     | " | "       | "          | "          | U |

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

E5D0751-09 (Soil)  
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

|                          |    |       |       |   |         |            |            |   |
|--------------------------|----|-------|-------|---|---------|------------|------------|---|
| Fluoranthene             | ND | 0.020 | mg/kg | 1 | B5D2820 | 04/28/2025 | 04/28/2025 | U |
| Fluorene                 | ND | 0.020 | "     | " | "       | "          | "          | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | "     | " | "       | "          | "          | U |
| Naphthalene              | ND | 0.002 | "     | " | "       | "          | "          | U |
| Pyrene                   | ND | 0.020 | "     | " | "       | "          | "          | U |

|                                 |        |        |   |   |   |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10         | 99.0 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10       | 103 %  | 60-130 | " | " | " |
| Surrogate: Pyrene-d10           | 102 %  | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 99.3 % | 60-130 | " | " | " |

pH in Soil by 9045D

|    |      |          |   |         |            |            |
|----|------|----------|---|---------|------------|------------|
| pH | 7.78 | pH Units | 1 | B5D2722 | 04/27/2025 | 04/29/2025 |
|----|------|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

|     |      |        |     |   |         |            |            |
|-----|------|--------|-----|---|---------|------------|------------|
| SAR | 2.05 | 0.0100 | SAR | 1 | B5D2710 | 04/27/2025 | 04/30/2025 |
|-----|------|--------|-----|---|---------|------------|------------|

Specific Conductance Mod. 9050A

|                           |      |         |          |   |         |            |            |
|---------------------------|------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 2.44 | 0.00500 | mmhos/cm | 1 | B5D2722 | 04/27/2025 | 04/29/2025 |
|---------------------------|------|---------|----------|---|---------|------------|------------|

Table 915 metals by EPA 6020B

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| Analyte                                 | Result | Detection Limit | Reporting Limit | Units | Dilution | Batch   | Prepared   | Analyzed   | Notes |
|---|--------|-----------------|-----------------|-------|----------|---------|------------|------------|-------|
| E5D0751-09 (Soil)<br>Origins Laboratory |        |                 |                 |       |          |         |            |            |       |
| Table 915 metals by EPA 6020B           |        |                 |                 |       |          |         |            |            |       |
| Arsenic                                 | 5.88   |                 | 0.277           | mg/kg | 10       | B5D2703 | 04/27/2025 | 04/28/2025 |       |
| Barium                                  | 99.7   |                 | 9.53            | "     | "        | "       | "          | "          |       |
| Cadmium                                 | 0.219  |                 | 0.0953          | "     | "        | "       | "          | "          |       |
| Copper                                  | 12.5   |                 | 9.53            | "     | "        | "       | "          | "          |       |
| Lead                                    | 9.70   |                 | 0.953           | "     | "        | "       | "          | "          |       |
| Nickel                                  | 9.67   |                 | 0.953           | "     | "        | "       | "          | "          |       |
| Selenium                                | 0.403  |                 | 0.248           | "     | "        | "       | "          | "          |       |
| Silver                                  | ND     |                 | 0.0953          | "     | "        | "       | "          | "          |       |
| Zinc                                    | 53.9   |                 | 35.3            | "     | "        | "       | "          | "          |       |

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| Analyte                                 | Result | Detection Limit | Reporting Limit | Units  | Dilution | Batch   | Prepared   | Analyzed   | Notes |
|---|--------|-----------------|-----------------|--------|----------|---------|------------|------------|-------|
| E5D0751-10 (Soil)<br>Origins Laboratory |        |                 |                 |        |          |         |            |            |       |
| <b>Boron (DTPA Sorbitol)</b>            |        |                 |                 |        |          |         |            |            |       |
| Boron                                   | 1.27   |                 | 0.0999          | mg/L   | 1        | B5D2716 | 04/27/2025 | 04/30/2025 |       |
| <b>Chromium Hexavalent by EPA 7199</b>  |        |                 |                 |        |          |         |            |            |       |
| Hexavalent Chromium                     | ND     |                 | 0.250           | mg/kg  | 1        | B5D2847 | 04/28/2025 | 05/07/2025 |       |
| <b>DRO/ORO by EPA 8015D</b>             |        |                 |                 |        |          |         |            |            |       |
| Diesel (C10-C28)                        | ND     |                 | 25.0            | mg/kg  | 1        | B5D2816 | 04/28/2025 | 04/28/2025 | U     |
| Residual Range Organics (C28-C40)       | ND     |                 | 100             | "      | "        | "       | "          | "          | U     |
| Surrogate: o-Terphenyl                  | 110 %  |                 |                 | 50-150 |          | "       | "          | "          |       |
| <b>GBTEX+TMBs by 8260D</b>              |        |                 |                 |        |          |         |            |            |       |
| 1,2,4-Trimethylbenzene                  | ND     |                 | 0.00200         | mg/kg  | 1        | B5D2603 | 04/26/2025 | 04/27/2025 | U     |
| 1,3,5-Trimethylbenzene                  | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Benzene                                 | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Ethylbenzene                            | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Toluene                                 | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Xylenes, total                          | ND     |                 | 0.00200         | "      | "        | "       | "          | "          | U     |
| Gasoline Range Hydrocarbons             | ND     |                 | 0.200           | "      | "        | "       | "          | "          | U     |

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Jordan A. Bynon, Project Manager





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5120 North Shore Drive  
North Little Rock AR 72118

Kyle Lawrence  
Project Number: PROJ-054017  
Project: PROJ-054017

GACO0425T050S012  
4/25/2025 9:05:00AM

| Analyte                                 | Result | Detection Limit | Reporting Limit | Units  | Dilution | Batch   | Prepared   | Analyzed   | Notes |
|---|--------|-----------------|-----------------|--------|----------|---------|------------|------------|-------|
| E5D0751-10 (Soil)<br>Origins Laboratory |        |                 |                 |        |          |         |            |            |       |
| GBTEX+TMBs by 8260D                     |        |                 |                 |        |          |         |            |            |       |
| Surrogate: 1,2-Dichloroethane-d4        | 108 %  |                 |                 | 70-130 |          | B5D2603 | 04/26/2025 | 04/27/2025 |       |
| Surrogate: Toluene-d8                   | 97.6 % |                 |                 | 70-130 |          | "       | "          | "          |       |
| Surrogate: 4-Bromofluorobenzene         | 103 %  |                 |                 | 70-130 |          | "       | "          | "          |       |
| Metals by Saturated Paste by EPA 6010   |        |                 |                 |        |          |         |            |            |       |
| Calcium                                 | 4.60   |                 | 0.499           | meq/L  | 10       | [CALC]  | 04/27/2025 | 04/30/2025 |       |
| Magnesium                               | 2.01   |                 | 0.823           | "      | "        | "       | "          | "          |       |
| Sodium                                  | 1.54   |                 | 0.435           | "      | "        | "       | "          | "          |       |
| PAH by EPA 8270E extracted via 3580A    |        |                 |                 |        |          |         |            |            |       |
| 1-Methylnaphthalene                     | ND     |                 | 0.002           | mg/kg  | 1        | B5D2820 | 04/28/2025 | 04/28/2025 | U     |
| 2-Methylnaphthalene                     | ND     |                 | 0.002           | "      | "        | "       | "          | "          | U     |
| Acenaphthene                            | ND     |                 | 0.020           | "      | "        | "       | "          | "          | U     |
| Anthracene                              | ND     |                 | 0.020           | "      | "        | "       | "          | "          | U     |
| Benzo (a) anthracene                    | ND     |                 | 0.005           | "      | "        | "       | "          | "          | U     |
| Benzo (a) pyrene                        | ND     |                 | 0.020           | "      | "        | "       | "          | "          | U     |
| Benzo (b) fluoranthene                  | ND     |                 | 0.020           | "      | "        | "       | "          | "          | U     |
| Benzo (k) fluoranthene                  | ND     |                 | 0.020           | "      | "        | "       | "          | "          | U     |
| Chrysene                                | ND     |                 | 0.020           | "      | "        | "       | "          | "          | U     |
| Dibenz (a,h) anthracene                 | ND     |                 | 0.020           | "      | "        | "       | "          | "          | U     |

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Project Number: PROJ-054017  
Project: PROJ-054017

GACO0425T050S012

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| Analyte                                 | Result | Detection Limit | Reporting Limit | Units    | Dilution | Batch   | Prepared   | Analyzed   | Notes |
|---|--------|-----------------|-----------------|----------|----------|---------|------------|------------|-------|
| E5D0751-10 (Soil)<br>Origins Laboratory |        |                 |                 |          |          |         |            |            |       |
| PAH by EPA 8270E extracted via 3580A    |        |                 |                 |          |          |         |            |            |       |
| Fluoranthene                            | ND     |                 | 0.020           | mg/kg    | 1        | B5D2820 | 04/28/2025 | 04/28/2025 | U     |
| Fluorene                                | ND     |                 | 0.020           | "        | "        | "       | "          | "          | U     |
| Indeno (1,2,3-cd) pyrene                | ND     |                 | 0.020           | "        | "        | "       | "          | "          | U     |
| Naphthalene                             | ND     |                 | 0.002           | "        | "        | "       | "          | "          | U     |
| Pyrene                                  | ND     |                 | 0.020           | "        | "        | "       | "          | "          | U     |
| Surrogate: Fluorene-d10                 | 98.8 % |                 |                 | 60-130   |          | "       | "          | "          |       |
| Surrogate: Anthracene-d10               | 98.9 % |                 |                 | 60-130   |          | "       | "          | "          |       |
| Surrogate: Pyrene-d10                   | 99.9 % |                 |                 | 60-130   |          | "       | "          | "          |       |
| Surrogate: Benzo (a) pyrene-d12         | 99.4 % |                 |                 | 60-130   |          | "       | "          | "          |       |
| pH in Soil by 9045D                     |        |                 |                 |          |          |         |            |            |       |
| pH                                      | 8.01   |                 |                 | pH Units | 1        | B5D2722 | 04/27/2025 | 04/29/2025 |       |
| SAR by 20B Saturated Paste              |        |                 |                 |          |          |         |            |            |       |
| SAR                                     | 0.847  |                 | 0.0100          | SAR      | 1        | B5D2710 | 04/27/2025 | 04/30/2025 |       |
| Specific Conductance Mod. 9050A         |        |                 |                 |          |          |         |            |            |       |
| Specific Conductance (EC)               | 1.58   |                 | 0.00500         | mmhos/cm | 1        | B5D2722 | 04/27/2025 | 04/29/2025 |       |
| Table 915 metals by EPA 6020B           |        |                 |                 |          |          |         |            |            |       |

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| Analyte                                 | Result | Detection Limit | Reporting Limit | Units | Dilution | Batch   | Prepared   | Analyzed   | Notes |
|---|--------|-----------------|-----------------|-------|----------|---------|------------|------------|-------|
| E5D0751-10 (Soil)<br>Origins Laboratory |        |                 |                 |       |          |         |            |            |       |
| Table 915 metals by EPA 6020B           |        |                 |                 |       |          |         |            |            |       |
| Arsenic                                 | 16.6   |                 | 0.257           | mg/kg | 10       | B5D2703 | 04/27/2025 | 04/28/2025 |       |
| Barium                                  | 110    |                 | 8.87            | "     | "        | "       | "          | "          |       |
| Cadmium                                 | 0.433  |                 | 0.0887          | "     | "        | "       | "          | "          |       |
| Copper                                  | 17.8   |                 | 8.87            | "     | "        | "       | "          | "          |       |
| Lead                                    | 9.75   |                 | 0.887           | "     | "        | "       | "          | "          |       |
| Nickel                                  | 12.0   |                 | 0.887           | "     | "        | "       | "          | "          |       |
| Selenium                                | 0.608  |                 | 0.231           | "     | "        | "       | "          | "          |       |
| Silver                                  | ND     |                 | 0.0887          | "     | "        | "       | "          | "          |       |
| Zinc                                    | 55.2   |                 | 32.8            | "     | "        | "       | "          | "          |       |

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4/25/2025 7:30:00AM

| Analyte                                  | Result | Detection Limit | Reporting Limit | Units | Dilution | Batch   | Prepared   | Analyzed   | Notes |
|--|--------|-----------------|-----------------|-------|----------|---------|------------|------------|-------|
| E5D0751-11 (Water)<br>Origins Laboratory |        |                 |                 |       |          |         |            |            |       |
| VOC by EPA 8260D                         |        |                 |                 |       |          |         |            |            |       |
| 1,1,1,2-Tetrachloroethane                | ND     |                 | 1.00            | ug/L  | 1        | B5D2578 | 04/25/2025 | 04/27/2025 | U     |
| 1,1,1-Trichloroethane                    | ND     |                 | 1.00            | "     | "        | "       | "          | "          | U     |
| 1,1,2,2-Tetrachloroethane                | ND     |                 | 1.00            | "     | "        | "       | "          | "          | U     |
| 1,1,2-Trichloroethane                    | ND     |                 | 1.00            | "     | "        | "       | "          | "          | U     |
| 1,1-Dichloroethane                       | ND     |                 | 1.00            | "     | "        | "       | "          | "          | U     |
| 1,1-Dichloroethene                       | ND     |                 | 1.00            | "     | "        | "       | "          | "          | U     |
| 1,1-Dichloropropene                      | ND     |                 | 1.00            | "     | "        | "       | "          | "          | U     |
| 1,2,3-Trichlorobenzene                   | ND     |                 | 5.00            | "     | "        | "       | "          | "          | U     |
| 1,2,3-Trichloropropane                   | ND     |                 | 5.00            | "     | "        | "       | "          | "          | U     |
| 1,2,4-Trichlorobenzene                   | ND     |                 | 5.00            | "     | "        | "       | "          | "          | U     |
| 1,2,4-Trimethylbenzene                   | ND     |                 | 1.00            | "     | "        | "       | "          | "          | U     |
| 1,2-Dibromo-3-chloropropane              | ND     |                 | 5.00            | "     | "        | "       | "          | "          | U     |
| 1,2-Dibromoethane (EDB)                  | ND     |                 | 1.50            | "     | "        | "       | "          | "          | U     |
| 1,2-Dichlorobenzene                      | ND     |                 | 1.00            | "     | "        | "       | "          | "          | U     |
| 1,2-Dichloroethane                       | ND     |                 | 1.00            | "     | "        | "       | "          | "          | U     |
| 1,2-Dichloropropane                      | ND     |                 | 1.00            | "     | "        | "       | "          | "          | U     |
| 1,3,5-Trimethylbenzene                   | ND     |                 | 1.00            | "     | "        | "       | "          | "          | U     |
| 1,3-Dichlorobenzene                      | ND     |                 | 1.00            | "     | "        | "       | "          | "          | U     |
| 1,3-Dichloropropane                      | ND     |                 | 1.00            | "     | "        | "       | "          | "          | U     |

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4/25/2025 7:30:00AM

| Analyte                                  | Result | Detection Limit | Reporting Limit | Units | Dilution | Batch   | Prepared   | Analyzed   | Notes |
|--|--------|-----------------|-----------------|-------|----------|---------|------------|------------|-------|
| E5D0751-11 (Water)<br>Origins Laboratory |        |                 |                 |       |          |         |            |            |       |
| VOC by EPA 8260D                         |        |                 |                 |       |          |         |            |            |       |
| 1,4-Dichlorobenzene                      | ND     |                 | 1.00            | ug/L  | 1        | B5D2578 | 04/25/2025 | 04/27/2025 | U     |
| 2,2-Dichloropropane                      | ND     |                 | 1.00            | "     | "        | "       | "          | "          | U     |
| 2-Butanone                               | ND     |                 | 5.00            | "     | "        | "       | "          | "          | U     |
| 2-Chlorotoluene                          | ND     |                 | 1.00            | "     | "        | "       | "          | "          | U     |
| 2-Hexanone                               | ND     |                 | 6.00            | "     | "        | "       | "          | "          | U     |
| 4-Chlorotoluene                          | ND     |                 | 1.00            | "     | "        | "       | "          | "          | U     |
| 4-Isopropyltoluene                       | ND     |                 | 1.00            | "     | "        | "       | "          | "          | U     |
| 4-Methyl-2-pentanone                     | ND     |                 | 5.00            | "     | "        | "       | "          | "          | U     |
| Acetone                                  | ND     |                 | 8.00            | "     | "        | "       | "          | "          | U     |
| Benzene                                  | ND     |                 | 1.00            | "     | "        | "       | "          | "          | U     |
| Bromobenzene                             | ND     |                 | 1.00            | "     | "        | "       | "          | "          | U     |
| Bromochloromethane                       | ND     |                 | 1.00            | "     | "        | "       | "          | "          | U     |
| Bromodichloromethane                     | ND     |                 | 1.00            | "     | "        | "       | "          | "          | U     |
| Bromoform                                | ND     |                 | 1.00            | "     | "        | "       | "          | "          | U     |
| Bromomethane                             | ND     |                 | 1.00            | "     | "        | "       | "          | "          | U     |
| Carbon disulfide                         | ND     |                 | 5.00            | "     | "        | "       | "          | "          | U     |
| Carbon tetrachloride                     | ND     |                 | 1.00            | "     | "        | "       | "          | "          | U     |
| Chlorobenzene                            | ND     |                 | 1.00            | "     | "        | "       | "          | "          | U     |
| Chloroethane                             | ND     |                 | 1.00            | "     | "        | "       | "          | "          | U     |

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Project Number: PROJ-054017  
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GACO0425T050T004

4/25/2025 7:30:00AM

| Analyte                                  | Result | Detection Limit | Reporting Limit | Units | Dilution | Batch   | Prepared   | Analyzed   | Notes |
|--|--------|-----------------|-----------------|-------|----------|---------|------------|------------|-------|
| E5D0751-11 (Water)<br>Origins Laboratory |        |                 |                 |       |          |         |            |            |       |
| VOC by EPA 8260D                         |        |                 |                 |       |          |         |            |            |       |
| Chloroform                               | ND     |                 | 1.00            | ug/L  | 1        | B5D2578 | 04/25/2025 | 04/27/2025 | U     |
| Chloromethane                            | ND     |                 | 1.00            | "     | "        | "       | "          | 05/06/2025 | U     |
| cis-1,2-Dichloroethene                   | ND     |                 | 1.00            | "     | "        | "       | "          | 04/27/2025 | U     |
| cis-1,3-Dichloropropene                  | ND     |                 | 1.00            | "     | "        | "       | "          | "          | U     |
| Dibromochloromethane                     | ND     |                 | 1.00            | "     | "        | "       | "          | "          | U     |
| Dibromomethane                           | ND     |                 | 1.00            | "     | "        | "       | "          | "          | U     |
| Ethylbenzene                             | ND     |                 | 1.00            | "     | "        | "       | "          | "          | U     |
| Hexachlorobutadiene                      | ND     |                 | 5.00            | "     | "        | "       | "          | "          | U     |
| Iodomethane                              | ND     |                 | 10.0            | "     | "        | "       | "          | "          | U     |
| Isopropylbenzene                         | ND     |                 | 1.00            | "     | "        | "       | "          | "          | U     |
| m,p-Xylene                               | ND     |                 | 2.00            | "     | "        | "       | "          | "          | U     |
| Methylene Chloride                       | ND     |                 | 15.0            | "     | "        | "       | "          | "          | U     |
| Methyl tert-Butyl Ether                  | ND     |                 | 1.00            | "     | "        | "       | "          | "          | U     |
| Naphthalene                              | ND     |                 | 4.00            | "     | "        | "       | "          | "          | U     |
| n-Butylbenzene                           | ND     |                 | 1.00            | "     | "        | "       | "          | "          | U     |
| n-Propylbenzene                          | ND     |                 | 1.00            | "     | "        | "       | "          | "          | U     |
| o-Xylene                                 | ND     |                 | 1.00            | "     | "        | "       | "          | "          | U     |
| sec-Butylbenzene                         | ND     |                 | 1.00            | "     | "        | "       | "          | "          | U     |
| Styrene                                  | ND     |                 | 1.00            | "     | "        | "       | "          | "          | U     |

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Project Number: PROJ-054017  
Project: PROJ-054017

GACO0425T050T004

4/25/2025 7:30:00AM

| Analyte                                  | Result | Detection Limit | Reporting Limit | Units  | Dilution | Batch   | Prepared   | Analyzed   | Notes |
|--|--------|-----------------|-----------------|--------|----------|---------|------------|------------|-------|
| E5D0751-11 (Water)<br>Origins Laboratory |        |                 |                 |        |          |         |            |            |       |
| VOC by EPA 8260D                         |        |                 |                 |        |          |         |            |            |       |
| tert-Butylbenzene                        | ND     |                 | 1.00            | ug/L   | 1        | B5D2578 | 04/25/2025 | 04/27/2025 | U     |
| Tetrachloroethene                        | ND     |                 | 1.00            | "      | "        | "       | "          | "          | U     |
| Toluene                                  | ND     |                 | 1.00            | "      | "        | "       | "          | "          | U     |
| trans-1,2-Dichloroethene                 | ND     |                 | 1.00            | "      | "        | "       | "          | "          | U     |
| trans-1,3-Dichloropropene                | ND     |                 | 1.00            | "      | "        | "       | "          | "          | U     |
| Trichloroethene                          | ND     |                 | 1.00            | "      | "        | "       | "          | "          | U     |
| Trichlorofluoromethane                   | ND     |                 | 1.00            | "      | "        | "       | "          | "          | U     |
| Vinyl chloride                           | ND     |                 | 1.00            | "      | "        | "       | "          | "          | U     |
| Surrogate: 1,2-Dichloroethane-d4         | 111 %  |                 |                 | 70-130 |          | "       | "          | "          |       |
| Surrogate: Toluene-d8                    | 102 %  |                 |                 | 70-130 |          | "       | "          | "          |       |
| Surrogate: 4-Bromofluorobenzene          | 90.0 % |                 |                 | 70-130 |          | "       | "          | "          |       |

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Project Number: PROJ-054017  
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\*\*\* DEFAULT GENERAL METHOD \*\*\* - Quality Control  
Origins Laboratory

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

Batch B5D2846 - EPA 3060A

Blank (B5D2846-BLK1)

Prepared: 04/28/2025 Analyzed: 05/08/2025

Hexavalent Chromium ND 0.250 mg/kg

LCS (B5D2846-BS1)

Prepared: 04/28/2025 Analyzed: 05/08/2025

Hexavalent Chromium 2.48 0.250 mg/kg 2.50 99.1 80-120

Matrix Spike (B5D2846-MS1)

Source: E5D0656-10

Prepared: 04/28/2025 Analyzed: 05/08/2025

Hexavalent Chromium 2.40 0.255 mg/kg 2.55 0.279 83.3 75-125

Matrix Spike (B5D2846-MS2)

Source: E5D0656-10

Prepared: 04/28/2025 Analyzed: 05/08/2025

Hexavalent Chromium 226 24.8 mg/kg 249 ND 90.7 75-125

Matrix Spike Dup (B5D2846-MSD1)

Source: E5D0656-10

Prepared: 04/28/2025 Analyzed: 05/08/2025

Hexavalent Chromium 2.52 0.260 mg/kg 2.60 0.279 86.1 75-125 4.79 200

Post Spike (B5D2846-PS1)

Source: E5D0656-10

Prepared: 04/28/2025 Analyzed: 05/08/2025

Hexavalent Chromium 54.5 ug/L 50.0 5.55 97.9 80-120

Batch B5D2847 - EPA 3060A

Blank (B5D2847-BLK1)

Prepared: 04/28/2025 Analyzed: 05/07/2025

Hexavalent Chromium ND 0.250 mg/kg

LCS (B5D2847-BS1)

Prepared: 04/28/2025 Analyzed: 05/07/2025

Hexavalent Chromium 2.23 0.250 mg/kg 2.50 89.4 80-120

Matrix Spike (B5D2847-MS1)

Source: E5D0750-03

Prepared: 04/28/2025 Analyzed: 05/07/2025

Hexavalent Chromium 2.32 0.261 mg/kg 2.61 0.145 83.4 75-125

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Jordan A. Bynon, Project Manager





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Kyle Lawrence  
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Project: PROJ-054017

\*\*\* DEFAULT GENERAL METHOD \*\*\* - Quality Control  
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| Analyte                         | Result | Reporting Limit | Units              | Spike Level | Source Result                             | %REC | %REC Limits | RPD  | RPD Limit | Notes |
|---------------------------------|--------|-----------------|--------------------|-------------|---|------|-------------|------|-----------|-------|
| Batch B5D2847 - EPA 3060A       |        |                 |                    |             |   |      |             |      |           |       |
| Matrix Spike (B5D2847-MS2)      |        |                 | Source: E5D0750-03 |             | Prepared: 04/28/2025 Analyzed: 05/07/2025 |      |             |      |           |       |
| Hexavalent Chromium             | 214    | 25.0            | mg/kg              | 273         | ND  | 78.4 | 75-125      |      |           |       |
| Matrix Spike Dup (B5D2847-MSD1) |        |                 | Source: E5D0750-03 |             | Prepared: 04/28/2025 Analyzed: 05/07/2025 |      |             |      |           |       |
| Hexavalent Chromium             | 2.26   | 0.249           | mg/kg              | 2.49        | 0.145                                     | 84.8 | 75-125      | 2.75 | 200       |       |
| Post Spike (B5D2847-PS1)        |        |                 | Source: E5D0750-03 |             | Prepared: 04/28/2025 Analyzed: 05/07/2025 |      |             |      |           |       |
| Hexavalent Chromium             | 52.6   |                 | ug/L               | 50.0        | 3.01                                      | 99.2 | 80-120      |      |           |       |

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Kyle Lawrence  
Project Number: PROJ-054017  
Project: PROJ-054017

Classical Chemistry Parameters - Quality Control  
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| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch B5D2709 - Saturated Paste Metals

Blank (B5D2709-BLK1)

Prepared: 04/27/2025 Analyzed: 04/30/2025

|               |    |        |      |
|---------------|----|--------|------|
| 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 (B5D2709-DUP1)

Source: E5D0750-03

Prepared: 04/27/2025 Analyzed: 04/30/2025

|               |      |        |      |       |      |     |
|---------------|------|--------|------|-------|------|-----|
| Calcium PPM   | 39.1 | 10.0   | mg/L | 44.6  | 13.1 | 50  |
| SAR           | ND   | 0.0100 | SAR  | 0.321 |      | 200 |
| Magnesium PPM | 8.81 | 10.0   | mg/L | 10.4  | 16.3 | 50  |
| Sodium PPM    | 7.99 | 10.0   | "    | 9.15  | 13.5 | 50  |

Batch B5D2710 - Saturated Paste Metals

Blank (B5D2710-BLK1)

Prepared: 04/27/2025 Analyzed: 04/30/2025

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

Duplicate (B5D2710-DUP1)

Source: E5D0751-07

Prepared: 04/27/2025 Analyzed: 04/30/2025

|               |      |        |      |      |      |     |
|---------------|------|--------|------|------|------|-----|
| SAR           | ND   | 0.0100 | SAR  | 1.15 |      | 200 |
| Calcium PPM   | 104  | 10.0   | mg/L | 119  | 13.8 | 50  |
| Magnesium PPM | 29.2 | 10.0   | "    | 34.6 | 16.7 | 50  |
| Sodium PPM    | 49.2 | 10.0   | "    | 55.4 | 12.0 | 50  |

Batch B5D2715 - DTPA Sorbitol Preparation

Blank (B5D2715-BLK1)

Prepared: 04/27/2025 Analyzed: 04/30/2025

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Project: PROJ-054017

Classical Chemistry Parameters - Quality Control  
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| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch B5D2715 - DTPA Sorbitol Preparation

Blank (B5D2715-BLK1)

Prepared: 04/27/2025 Analyzed: 04/30/2025

Boron ND 0.100 mg/L

Duplicate (B5D2715-DUP1)

Source: E5D0750-03

Prepared: 04/27/2025 Analyzed: 04/30/2025

Boron 0.648 0.100 mg/L 0.648 0.0605 50

Batch B5D2716 - DTPA Sorbitol Preparation

Blank (B5D2716-BLK1)

Prepared: 04/27/2025 Analyzed: 04/30/2025

Boron ND 0.100 mg/L

Duplicate (B5D2716-DUP1)

Source: E5D0749-02

Prepared: 04/27/2025 Analyzed: 04/30/2025

Boron 0.649 0.101 mg/L 0.651 0.356 50

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Project Number: PROJ-054017  
Project: PROJ-054017

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 B5D2820 - EPA 3580

Blank (B5D2820-BLK1)

Prepared: 04/28/2025 Analyzed: 04/28/2025

|                          |    |       |       |  |  |  |  |  |  |   |
|--------------------------|----|-------|-------|--|--|--|--|--|--|---|
| 1-Methylnaphthalene      | ND | 0.002 | mg/kg |  |  |  |  |  |  | U |
| 2-Methylnaphthalene      | ND | 0.002 | "     |  |  |  |  |  |  | U |
| Acenaphthene             | ND | 0.020 | "     |  |  |  |  |  |  | U |
| Anthracene               | ND | 0.020 | "     |  |  |  |  |  |  | U |
| Benzo (a) anthracene     | ND | 0.005 | "     |  |  |  |  |  |  | U |
| Benzo (a) pyrene         | ND | 0.020 | "     |  |  |  |  |  |  | U |
| Benzo (b) fluoranthene   | ND | 0.020 | "     |  |  |  |  |  |  | U |
| Benzo (g,h,i) perylene   | ND | 0.020 | "     |  |  |  |  |  |  | U |
| Benzo (k) fluoranthene   | ND | 0.020 | "     |  |  |  |  |  |  | U |
| Chrysene                 | ND | 0.020 | "     |  |  |  |  |  |  | U |
| Dibenz (a,h) anthracene  | ND | 0.020 | "     |  |  |  |  |  |  | U |
| Fluoranthene             | ND | 0.020 | "     |  |  |  |  |  |  | U |
| Fluorene                 | ND | 0.020 | "     |  |  |  |  |  |  | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | "     |  |  |  |  |  |  | U |
| Naphthalene              | ND | 0.002 | "     |  |  |  |  |  |  | U |
| Phenanthrene             | ND | 0.020 | "     |  |  |  |  |  |  | U |
| Pyrene                   | ND | 0.020 | "     |  |  |  |  |  |  | U |

|                                 |     |  |       |     |      |        |
|---------------------------------|-----|--|-------|-----|------|--------|
| Surrogate: Fluorene-d10         | 200 |  | ug/kg | 200 | 98.6 | 60-130 |
| Surrogate: Anthracene-d10       | 200 |  | "     | 200 | 99.1 | 60-130 |
| Surrogate: Pyrene-d10           | 200 |  | "     | 200 | 101  | 60-130 |
| Surrogate: Benzo (a) pyrene-d12 | 200 |  | "     | 200 | 100  | 60-130 |

LCS (B5D2820-BS1)

Prepared: 04/28/2025 Analyzed: 04/28/2025

|                     |       |       |       |       |     |        |
|---------------------|-------|-------|-------|-------|-----|--------|
| 1-Methylnaphthalene | 0.201 | 0.002 | mg/kg | 0.200 | 100 | 70-130 |
| 2-Methylnaphthalene | 0.202 | 0.002 | "     | 0.200 | 101 | 70-130 |
| Acenaphthene        | 0.202 | 0.020 | "     | 0.200 | 101 | 70-130 |
| Anthracene          | 0.200 | 0.020 | "     | 0.200 | 100 | 70-130 |

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Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

## 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 B5D2820 - EPA 3580

## LCS (B5D2820-BS1)

Prepared: 04/28/2025 Analyzed: 04/28/2025

|                                 |       |       |       |       |  |      |        |
|---------------------------------|-------|-------|-------|-------|--|------|--------|
| Benzo (a) anthracene            | 0.209 | 0.005 | mg/kg | 0.200 |  | 104  | 70-130 |
| Benzo (a) pyrene                | 0.208 | 0.020 | "     | 0.200 |  | 104  | 70-130 |
| Benzo (b) fluoranthene          | 0.211 | 0.020 | "     | 0.200 |  | 106  | 70-130 |
| Benzo (g,h,i) perylene          | 0.215 | 0.020 | "     | 0.200 |  | 107  | 70-130 |
| Benzo (k) fluoranthene          | 0.209 | 0.020 | "     | 0.200 |  | 105  | 70-130 |
| Chrysene                        | 0.211 | 0.020 | "     | 0.200 |  | 106  | 70-130 |
| Dibenz (a,h) anthracene         | 0.211 | 0.020 | "     | 0.200 |  | 105  | 70-130 |
| Fluoranthene                    | 0.211 | 0.020 | "     | 0.200 |  | 106  | 70-130 |
| Fluorene                        | 0.201 | 0.020 | "     | 0.200 |  | 100  | 70-130 |
| Indeno (1,2,3-cd) pyrene        | 0.216 | 0.020 | "     | 0.200 |  | 108  | 70-130 |
| Naphthalene                     | 0.214 | 0.002 | "     | 0.200 |  | 107  | 70-130 |
| Phenanthrene                    | 0.207 | 0.020 | "     | 0.200 |  | 104  | 70-130 |
| Pyrene                          | 0.211 | 0.020 | "     | 0.200 |  | 105  | 70-130 |
| Surrogate: Fluorene-d10         | 200   |       | ug/kg | 200   |  | 99.0 | 60-130 |
| Surrogate: Anthracene-d10       | 200   |       | "     | 200   |  | 98.6 | 60-130 |
| Surrogate: Pyrene-d10           | 200   |       | "     | 200   |  | 100  | 60-130 |
| Surrogate: Benzo (a) pyrene-d12 | 200   |       | "     | 200   |  | 99.4 | 60-130 |

## Matrix Spike (B5D2820-MS1)

Source: E5D0750-06

Prepared: 04/28/2025 Analyzed: 04/28/2025

|                        |       |       |       |       |        |      |        |
|------------------------|-------|-------|-------|-------|--------|------|--------|
| 1-Methylnaphthalene    | 0.199 | 0.002 | mg/kg | 0.200 | ND     | 99.5 | 70-130 |
| 2-Methylnaphthalene    | 0.202 | 0.002 | "     | 0.200 | 0.0008 | 101  | 70-130 |
| Acenaphthene           | 0.200 | 0.020 | "     | 0.200 | 0.0003 | 99.8 | 70-130 |
| Anthracene             | 0.197 | 0.020 | "     | 0.200 | 0.0006 | 98.3 | 70-130 |
| Benzo (a) anthracene   | 0.205 | 0.005 | "     | 0.200 | 0.001  | 102  | 70-130 |
| Benzo (a) pyrene       | 0.199 | 0.020 | "     | 0.200 | 0.001  | 99.0 | 70-130 |
| Benzo (b) fluoranthene | 0.203 | 0.020 | "     | 0.200 | 0.001  | 101  | 70-130 |
| Benzo (g,h,i) perylene | 0.204 | 0.020 | "     | 0.200 | 0.001  | 102  | 70-130 |

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Project Number: PROJ-054017  
Project: PROJ-054017

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control  
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| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch B5D2820 - EPA 3580

| Matrix Spike (B5D2820-MS1)      |       |       | Source: E5D0750-06 |       |        | Prepared: 04/28/2025 Analyzed: 04/28/2025 |        |  |  |  |
|---------------------------------|-------|-------|--------------------|-------|--------|---|--------|--|--|--|
| Benzo (k) fluoranthene          | 0.206 | 0.020 | mg/kg              | 0.200 | 0.0007 | 103                                       | 70-130 |  |  |  |
| Chrysene                        | 0.207 | 0.020 | "                  | 0.200 | 0.001  | 103                                       | 70-130 |  |  |  |
| Dibenz (a,h) anthracene         | 0.205 | 0.020 | "                  | 0.200 | 0.0006 | 102                                       | 70-130 |  |  |  |
| Fluoranthene                    | 0.206 | 0.020 | "                  | 0.200 | 0.001  | 103                                       | 70-130 |  |  |  |
| Fluorene                        | 0.200 | 0.020 | "                  | 0.200 | 0.002  | 99.1                                      | 70-130 |  |  |  |
| Indeno (1,2,3-cd) pyrene        | 0.206 | 0.020 | "                  | 0.200 | 0.001  | 102                                       | 70-130 |  |  |  |
| Naphthalene                     | 0.198 | 0.002 | "                  | 0.200 | ND     | 99.0                                      | 70-130 |  |  |  |
| Phenanthrene                    | 0.209 | 0.020 | "                  | 0.200 | 0.006  | 102                                       | 70-130 |  |  |  |
| Pyrene                          | 0.206 | 0.020 | "                  | 0.200 | 0.001  | 102                                       | 70-130 |  |  |  |
| Surrogate: Fluorene-d10         | 200   |       | ug/kg              | 200   |        | 99.3                                      | 60-130 |  |  |  |
| Surrogate: Anthracene-d10       | 200   |       | "                  | 200   |        | 99.1                                      | 60-130 |  |  |  |
| Surrogate: Pyrene-d10           | 200   |       | "                  | 200   |        | 99.7                                      | 60-130 |  |  |  |
| Surrogate: Benzo (a) pyrene-d12 | 200   |       | "                  | 200   |        | 99.4                                      | 60-130 |  |  |  |

| Matrix Spike Dup (B5D2820-MSD1) |       |       | Source: E5D0750-06 |       |        | Prepared: 04/28/2025 Analyzed: 04/28/2025 |        |         |    |  |
|---------------------------------|-------|-------|--------------------|-------|--------|---|--------|---------|----|--|
| 1-Methylnaphthalene             | 0.201 | 0.002 | mg/kg              | 0.200 | ND     | 100                                       | 70-130 | 0.857   | 20 |  |
| 2-Methylnaphthalene             | 0.201 | 0.002 | "                  | 0.200 | 0.0008 | 100                                       | 70-130 | 0.583   | 20 |  |
| Acenaphthene                    | 0.200 | 0.020 | "                  | 0.200 | 0.0003 | 99.8                                      | 70-130 | 0.00355 | 20 |  |
| Anthracene                      | 0.208 | 0.020 | "                  | 0.200 | 0.0006 | 104                                       | 70-130 | 5.24    | 20 |  |
| Benzo (a) anthracene            | 0.198 | 0.005 | "                  | 0.200 | 0.001  | 98.5                                      | 70-130 | 3.39    | 20 |  |
| Benzo (a) pyrene                | 0.196 | 0.020 | "                  | 0.200 | 0.001  | 97.1                                      | 70-130 | 1.88    | 20 |  |
| Benzo (b) fluoranthene          | 0.203 | 0.020 | "                  | 0.200 | 0.001  | 101                                       | 70-130 | 0.260   | 20 |  |
| Benzo (g,h,i) perylene          | 0.204 | 0.020 | "                  | 0.200 | 0.001  | 101                                       | 70-130 | 0.136   | 20 |  |
| Benzo (k) fluoranthene          | 0.204 | 0.020 | "                  | 0.200 | 0.0007 | 102                                       | 70-130 | 0.727   | 20 |  |
| Chrysene                        | 0.206 | 0.020 | "                  | 0.200 | 0.001  | 102                                       | 70-130 | 0.421   | 20 |  |
| Dibenz (a,h) anthracene         | 0.205 | 0.020 | "                  | 0.200 | 0.0006 | 102                                       | 70-130 | 0.305   | 20 |  |
| Fluoranthene                    | 0.208 | 0.020 | "                  | 0.200 | 0.001  | 103                                       | 70-130 | 0.733   | 20 |  |

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Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

## 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 B5D2820 - EPA 3580

| Matrix Spike Dup (B5D2820-MSD1) |       |       |       | Source: E5D0750-06 |       | Prepared: 04/28/2025 Analyzed: 04/28/2025 |        |        |    |  |
|---------------------------------|-------|-------|-------|--------------------|-------|---|--------|--------|----|--|
| Fluorene                        | 0.200 | 0.020 | mg/kg | 0.200              | 0.002 | 99.3                                      | 70-130 | 0.172  | 20 |  |
| Indeno (1,2,3-cd) pyrene        | 0.202 | 0.020 | "     | 0.200              | 0.001 | 100                                       | 70-130 | 1.80   | 20 |  |
| Naphthalene                     | 0.210 | 0.002 | "     | 0.200              | ND    | 105                                       | 70-130 | 5.92   | 20 |  |
| Phenanthrene                    | 0.218 | 0.020 | "     | 0.200              | 0.006 | 106                                       | 70-130 | 3.94   | 20 |  |
| Pyrene                          | 0.206 | 0.020 | "     | 0.200              | 0.001 | 102                                       | 70-130 | 0.0306 | 20 |  |
| Surrogate: Fluorene-d10         | 200   |       | ug/kg | 200                |       | 99.4                                      | 60-130 |        |    |  |
| Surrogate: Anthracene-d10       | 190   |       | "     | 200                |       | 94.7                                      | 60-130 |        |    |  |
| Surrogate: Pyrene-d10           | 200   |       | "     | 200                |       | 100                                       | 60-130 |        |    |  |
| Surrogate: Benzo (a) pyrene-d12 | 200   |       | "     | 200                |       | 99.9                                      | 60-130 |        |    |  |

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Kyle Lawrence  
Project Number: PROJ-054017  
Project: PROJ-054017

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 B5D2814 - EPA 3550B

Blank (B5D2814-BLK1)

Prepared: 04/28/2025 Analyzed: 04/28/2025

|                                   |    |      |       |      |  |      |        |  |  |   |
|-----------------------------------|----|------|-------|------|--|------|--------|--|--|---|
| Diesel (C10-C28)                  | ND | 25.0 | mg/kg |      |  |      |        |  |  | U |
| Residual Range Organics (C28-C40) | ND | 100  | "     |      |  |      |        |  |  | U |
| Surrogate: o-Terphenyl            | 19 |      | "     | 24.9 |  | 77.7 | 50-150 |  |  |   |

LCS (B5D2814-BS1)

Prepared: 04/28/2025 Analyzed: 04/28/2025

|                                   |     |      |       |      |  |      |        |  |  |  |
|-----------------------------------|-----|------|-------|------|--|------|--------|--|--|--|
| Diesel (C10-C28)                  | 929 | 50.0 | mg/kg | 1000 |  | 92.9 | 70-130 |  |  |  |
| Residual Range Organics (C28-C40) | 918 | 200  | "     | 1000 |  | 91.8 | 70-130 |  |  |  |
| Surrogate: o-Terphenyl            | 53  |      | "     | 49.8 |  | 106  | 50-150 |  |  |  |

Matrix Spike (B5D2814-MS1)

Source: E5D0750-06

Prepared: 04/28/2025 Analyzed: 04/28/2025

|                                   |     |      |       |      |    |      |        |  |  |  |
|-----------------------------------|-----|------|-------|------|----|------|--------|--|--|--|
| Diesel (C10-C28)                  | 967 | 50.0 | mg/kg | 1000 | ND | 96.7 | 70-130 |  |  |  |
| Residual Range Organics (C28-C40) | 976 | 200  | "     | 1000 | ND | 97.6 | 70-130 |  |  |  |
| Surrogate: o-Terphenyl            | 54  |      | "     | 49.8 |    | 109  | 50-150 |  |  |  |

Matrix Spike Dup (B5D2814-MSD1)

Source: E5D0750-06

Prepared: 04/28/2025 Analyzed: 04/28/2025

|                                   |      |      |       |      |    |      |        |      |    |  |
|-----------------------------------|------|------|-------|------|----|------|--------|------|----|--|
| Diesel (C10-C28)                  | 992  | 50.0 | mg/kg | 1000 | ND | 99.2 | 70-130 | 2.51 | 35 |  |
| Residual Range Organics (C28-C40) | 1020 | 200  | "     | 1000 | ND | 102  | 70-130 | 4.42 | 35 |  |
| Surrogate: o-Terphenyl            | 55   |      | "     | 49.8 |    | 110  | 50-150 |      |    |  |

Batch B5D2816 - EPA 3550B

Blank (B5D2816-BLK1)

Prepared: 04/28/2025 Analyzed: 04/28/2025

|                                   |    |      |       |      |  |      |        |  |  |   |
|-----------------------------------|----|------|-------|------|--|------|--------|--|--|---|
| Diesel (C10-C28)                  | ND | 25.0 | mg/kg |      |  |      |        |  |  | U |
| Residual Range Organics (C28-C40) | ND | 100  | "     |      |  |      |        |  |  | U |
| Surrogate: o-Terphenyl            | 24 |      | "     | 24.9 |  | 95.1 | 50-150 |  |  |   |

LCS (B5D2816-BS1)

Prepared: 04/28/2025 Analyzed: 04/28/2025

|                  |     |      |       |      |  |      |        |  |  |  |
|------------------|-----|------|-------|------|--|------|--------|--|--|--|
| Diesel (C10-C28) | 950 | 50.0 | mg/kg | 1000 |  | 95.0 | 70-130 |  |  |  |
|------------------|-----|------|-------|------|--|------|--------|--|--|--|

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Project Number: PROJ-054017  
Project: PROJ-054017

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 B5D2816 - EPA 3550B         |        |                 |       |             |  |      |             |      |           |       |
| LCS (B5D2816-BS1)                 |        |                 |       |             | Prepared: 04/28/2025 Analyzed: 04/28/2025                    |      |             |      |           |       |
| Residual Range Organics (C28-C40) | 1030   | 200             | mg/kg | 1000        |  | 103  | 70-130      |      |           |       |
| Surrogate: o-Terphenyl            | 60     |                 | "     | 49.8        |  | 121  | 50-150      |      |           |       |
| Matrix Spike (B5D2816-MS1)        |        |                 |       |             | Source: E5D0751-07 Prepared: 04/28/2025 Analyzed: 04/29/2025 |      |             |      |           |       |
| Diesel (C10-C28)                  | 929    | 50.0            | mg/kg | 1000        | ND   | 92.9 | 70-130      |      |           |       |
| Residual Range Organics (C28-C40) | 929    | 200             | "     | 1000        | ND   | 92.9 | 70-130      |      |           |       |
| Surrogate: o-Terphenyl            | 55     |                 | "     | 49.8        |  | 111  | 50-150      |      |           |       |
| Matrix Spike Dup (B5D2816-MSD1)   |        |                 |       |             | Source: E5D0751-07 Prepared: 04/28/2025 Analyzed: 04/28/2025 |      |             |      |           |       |
| Diesel (C10-C28)                  | 822    | 50.0            | mg/kg | 1000        | ND   | 82.2 | 70-130      | 12.2 | 35        |       |
| Residual Range Organics (C28-C40) | 891    | 200             | "     | 1000        | ND   | 89.1 | 70-130      | 4.21 | 35        |       |
| Surrogate: o-Terphenyl            | 56     |                 | "     | 49.8        |  | 112  | 50-150      |      |           |       |

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5120 North Shore Drive  
North Little Rock AR 72118

Kyle Lawrence  
Project Number: PROJ-054017  
Project: PROJ-054017

**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 B5D2703 - EPA 3050B**

**Blank (B5D2703-BLK1)**

Prepared: 04/27/2025 Analyzed: 04/28/2025

|          |    |       |       |
|----------|----|-------|-------|
| 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 (B5D2703-BS1)**

Prepared: 04/27/2025 Analyzed: 04/28/2025

|          |      |       |       |      |     |        |
|----------|------|-------|-------|------|-----|--------|
| Arsenic  | 5.71 | 0.290 | mg/kg | 5.00 | 114 | 80-120 |
| Barium   | 581  | 10.0  | "     | 500  | 116 | 80-120 |
| Cadmium  | 5.51 | 0.100 | "     | 5.00 | 110 | 80-120 |
| Copper   | 57.4 | 10.0  | "     | 50.0 | 115 | 80-120 |
| Lead     | 5.46 | 1.00  | "     | 5.00 | 109 | 80-120 |
| Nickel   | 5.54 | 1.00  | "     | 5.00 | 111 | 80-120 |
| Selenium | 5.58 | 0.260 | "     | 5.00 | 112 | 80-120 |
| Silver   | 5.39 | 0.100 | "     | 5.00 | 108 | 80-120 |
| Zinc     | 56.5 | 37.0  | "     | 50.0 | 113 | 80-120 |

**Matrix Spike (B5D2703-MS1)**

**Source: E5D0751-01**

Prepared: 04/27/2025 Analyzed: 04/28/2025

|         |      |        |       |      |       |      |        |
|---------|------|--------|-------|------|-------|------|--------|
| Arsenic | 9.46 | 0.282  | mg/kg | 4.86 | 5.08  | 90.1 | 75-125 |
| Barium  | 657  | 9.72   | "     | 486  | 110   | 113  | 75-125 |
| Cadmium | 5.41 | 0.0972 | "     | 4.86 | 0.389 | 103  | 75-125 |
| Copper  | 59.1 | 9.72   | "     | 48.6 | 12.7  | 95.6 | 75-125 |
| Lead    | 13.9 | 0.972  | "     | 4.86 | 10.2  | 76.2 | 75-125 |

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Kyle Lawrence  
Project Number: PROJ-054017  
Project: PROJ-054017

**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 B5D2703 - EPA 3050B**

**Matrix Spike (B5D2703-MS1)**

**Source: E5D0751-01**

Prepared: 04/27/2025 Analyzed: 04/28/2025

|          |      |        |       |      |       |      |        |  |  |       |
|----------|------|--------|-------|------|-------|------|--------|--|--|-------|
| Nickel   | 13.6 | 0.972  | mg/kg | 4.86 | 11.0  | 53.7 | 75-125 |  |  | QM-07 |
| Selenium | 5.11 | 0.253  | "     | 4.86 | 0.353 | 97.9 | 75-125 |  |  |       |
| Silver   | 5.11 | 0.0972 | "     | 4.86 | 0.173 | 102  | 75-125 |  |  |       |
| Zinc     | 87.5 | 36.0   | "     | 48.6 | 47.6  | 82.1 | 75-125 |  |  |       |

**Matrix Spike Dup (B5D2703-MSD1)**

**Source: E5D0751-01**

Prepared: 04/27/2025 Analyzed: 04/28/2025

|          |      |        |       |      |       |      |        |       |    |       |
|----------|------|--------|-------|------|-------|------|--------|-------|----|-------|
| Arsenic  | 10.5 | 0.265  | mg/kg | 4.58 | 5.08  | 119  | 75-125 | 10.5  | 20 |       |
| Barium   | 639  | 9.15   | "     | 458  | 110   | 116  | 75-125 | 2.75  | 20 |       |
| Cadmium  | 5.26 | 0.0915 | "     | 4.58 | 0.389 | 107  | 75-125 | 2.76  | 20 |       |
| Copper   | 61.6 | 9.15   | "     | 45.8 | 12.7  | 107  | 75-125 | 4.07  | 20 |       |
| Lead     | 16.8 | 0.915  | "     | 4.58 | 10.2  | 143  | 75-125 | 18.5  | 20 | QM-07 |
| Nickel   | 15.2 | 0.915  | "     | 4.58 | 11.0  | 92.5 | 75-125 | 11.3  | 20 |       |
| Selenium | 5.06 | 0.238  | "     | 4.58 | 0.353 | 103  | 75-125 | 0.972 | 20 |       |
| Silver   | 4.89 | 0.0915 | "     | 4.58 | 0.173 | 103  | 75-125 | 4.26  | 20 |       |
| Zinc     | 93.4 | 33.9   | "     | 45.8 | 47.6  | 100  | 75-125 | 6.50  | 20 |       |

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Jordan A. Bynon, Project Manager





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Kyle Lawrence  
Project Number: PROJ-054017  
Project: PROJ-054017

Saturated Paste - Quality Control  
Origins Laboratory

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

Batch B5D2721 - Saturated Paste pH/EC

Blank (B5D2721-BLK1)

Prepared: 04/27/2025 Analyzed: 04/29/2025

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B5D2721-DUP1)

Source: E5D0750-03

Prepared: 04/27/2025 Analyzed: 04/29/2025

|                           |       |         |          |       |  |       |    |
|---------------------------|-------|---------|----------|-------|--|-------|----|
| pH                        | 8.19  |         | pH Units | 8.22  |  | 0.366 | 25 |
| Specific Conductance (EC) | 0.357 | 0.00500 | mmhos/cm | 0.434 |  | 19.7  | 25 |

Batch B5D2722 - Saturated Paste pH/EC

Blank (B5D2722-BLK1)

Prepared: 04/27/2025 Analyzed: 04/29/2025

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B5D2722-DUP1)

Source: E5D0751-07

Prepared: 04/27/2025 Analyzed: 04/29/2025

|                           |      |         |          |      |  |      |    |
|---------------------------|------|---------|----------|------|--|------|----|
| Specific Conductance (EC) | 1.21 | 0.00500 | mmhos/cm | 1.22 |  | 1.23 | 25 |
| pH                        | 7.79 |         | pH Units | 7.71 |  | 1.03 | 25 |

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Kyle Lawrence

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Project: PROJ-054017

**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 B5D2578 - EPA 5030B (Water)**

**Blank (B5D2578-BLK1)**

Prepared: 04/25/2025 Analyzed: 04/27/2025

|                             |    |      |      |  |  |  |  |  |  |   |
|-----------------------------|----|------|------|--|--|--|--|--|--|---|
| 1,1,1,2-Tetrachloroethane   | ND | 1.00 | ug/L |  |  |  |  |  |  | U |
| 1,1,1-Trichloroethane       | ND | 1.00 | "    |  |  |  |  |  |  | U |
| 1,1,2,2-Tetrachloroethane   | ND | 1.00 | "    |  |  |  |  |  |  | U |
| 1,1,2-Trichloroethane       | ND | 1.00 | "    |  |  |  |  |  |  | U |
| 1,1-Dichloroethane          | ND | 1.00 | "    |  |  |  |  |  |  | U |
| 1,1-Dichloroethene          | ND | 1.00 | "    |  |  |  |  |  |  | U |
| 1,1-Dichloropropene         | ND | 1.00 | "    |  |  |  |  |  |  | U |
| 1,2,3-Trichlorobenzene      | ND | 5.00 | "    |  |  |  |  |  |  | U |
| 1,2,3-Trichloropropane      | ND | 5.00 | "    |  |  |  |  |  |  | U |
| 1,2,4-Trichlorobenzene      | ND | 5.00 | "    |  |  |  |  |  |  | U |
| 1,2,4-Trimethylbenzene      | ND | 1.00 | "    |  |  |  |  |  |  | U |
| 1,2-Dibromo-3-chloropropane | ND | 5.00 | "    |  |  |  |  |  |  | U |
| 1,2-Dibromoethane (EDB)     | ND | 1.50 | "    |  |  |  |  |  |  | U |
| 1,2-Dichlorobenzene         | ND | 1.00 | "    |  |  |  |  |  |  | U |
| 1,2-Dichloroethane          | ND | 1.00 | "    |  |  |  |  |  |  | U |
| 1,2-Dichloropropane         | ND | 1.00 | "    |  |  |  |  |  |  | U |
| 1,3,5-Trimethylbenzene      | ND | 1.00 | "    |  |  |  |  |  |  | U |
| 1,3-Dichlorobenzene         | ND | 1.00 | "    |  |  |  |  |  |  | U |
| 1,3-Dichloropropane         | ND | 1.00 | "    |  |  |  |  |  |  | U |
| 1,4-Dichlorobenzene         | ND | 1.00 | "    |  |  |  |  |  |  | U |
| 2,2-Dichloropropane         | ND | 1.00 | "    |  |  |  |  |  |  | U |
| 2-Butanone                  | ND | 5.00 | "    |  |  |  |  |  |  | U |
| 2-Chlorotoluene             | ND | 1.00 | "    |  |  |  |  |  |  | U |
| 2-Hexanone                  | ND | 6.00 | "    |  |  |  |  |  |  | U |
| 4-Chlorotoluene             | ND | 1.00 | "    |  |  |  |  |  |  | U |
| 4-Isopropyltoluene          | ND | 1.00 | "    |  |  |  |  |  |  | U |

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Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

**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 B5D2578 - EPA 5030B (Water)

Blank (B5D2578-BLK1)

Prepared: 04/25/2025 Analyzed: 04/27/2025

|                         |    |      |      |  |  |  |  |  |  |   |
|-------------------------|----|------|------|--|--|--|--|--|--|---|
| 4-Methyl-2-pentanone    | ND | 5.00 | ug/L |  |  |  |  |  |  | U |
| Acetone                 | ND | 8.00 | "    |  |  |  |  |  |  | U |
| Benzene                 | ND | 1.00 | "    |  |  |  |  |  |  | U |
| Bromobenzene            | ND | 1.00 | "    |  |  |  |  |  |  | U |
| Bromochloromethane      | ND | 1.00 | "    |  |  |  |  |  |  | U |
| Bromodichloromethane    | ND | 1.00 | "    |  |  |  |  |  |  | U |
| Bromoform               | ND | 1.00 | "    |  |  |  |  |  |  | U |
| Bromomethane            | ND | 1.00 | "    |  |  |  |  |  |  | U |
| Carbon disulfide        | ND | 5.00 | "    |  |  |  |  |  |  | U |
| Carbon tetrachloride    | ND | 1.00 | "    |  |  |  |  |  |  | U |
| Chlorobenzene           | ND | 1.00 | "    |  |  |  |  |  |  | U |
| Chloroethane            | ND | 1.00 | "    |  |  |  |  |  |  | U |
| Chloroform              | ND | 1.00 | "    |  |  |  |  |  |  | U |
| Chloromethane           | ND | 1.00 | "    |  |  |  |  |  |  | U |
| cis-1,2-Dichloroethene  | ND | 1.00 | "    |  |  |  |  |  |  | U |
| cis-1,3-Dichloropropene | ND | 1.00 | "    |  |  |  |  |  |  | U |
| Dibromochloromethane    | ND | 1.00 | "    |  |  |  |  |  |  | U |
| Dibromomethane          | ND | 1.00 | "    |  |  |  |  |  |  | U |
| Ethylbenzene            | ND | 1.00 | "    |  |  |  |  |  |  | U |
| Hexachlorobutadiene     | ND | 5.00 | "    |  |  |  |  |  |  | U |
| Iodomethane             | ND | 10.0 | "    |  |  |  |  |  |  | U |
| Isopropylbenzene        | ND | 1.00 | "    |  |  |  |  |  |  | U |
| m,p-Xylene              | ND | 2.00 | "    |  |  |  |  |  |  | U |
| Methylene Chloride      | ND | 15.0 | "    |  |  |  |  |  |  | U |
| Methyl tert-Butyl Ether | ND | 1.00 | "    |  |  |  |  |  |  | U |
| Naphthalene             | ND | 4.00 | "    |  |  |  |  |  |  | U |

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Jordan A. Bynon, Project Manager





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North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

**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 B5D2578 - EPA 5030B (Water)****Blank (B5D2578-BLK1)**

Prepared: 04/25/2025 Analyzed: 04/27/2025

|                                  |    |      |      |      |  |     |        |  |  |   |
|----------------------------------|----|------|------|------|--|-----|--------|--|--|---|
| n-Butylbenzene                   | ND | 1.00 | ug/L |      |  |     |        |  |  | U |
| n-Propylbenzene                  | ND | 1.00 | "    |      |  |     |        |  |  | U |
| o-Xylene                         | ND | 1.00 | "    |      |  |     |        |  |  | U |
| sec-Butylbenzene                 | ND | 1.00 | "    |      |  |     |        |  |  | U |
| Styrene                          | ND | 1.00 | "    |      |  |     |        |  |  | U |
| tert-Butylbenzene                | ND | 1.00 | "    |      |  |     |        |  |  | U |
| Tetrachloroethene                | ND | 1.00 | "    |      |  |     |        |  |  | U |
| Toluene                          | ND | 1.00 | "    |      |  |     |        |  |  | U |
| trans-1,2-Dichloroethene         | ND | 1.00 | "    |      |  |     |        |  |  | U |
| trans-1,3-Dichloropropene        | ND | 1.00 | "    |      |  |     |        |  |  | U |
| Trichloroethene                  | ND | 1.00 | "    |      |  |     |        |  |  | U |
| Trichlorofluoromethane           | ND | 1.00 | "    |      |  |     |        |  |  | U |
| Vinyl chloride                   | ND | 1.00 | "    |      |  |     |        |  |  | U |
| Surrogate: 1,2-Dichloroethane-d4 | 65 |      | "    | 62.5 |  | 103 | 70-130 |  |  |   |
| Surrogate: Toluene-d8            | 65 |      | "    | 62.5 |  | 104 | 70-130 |  |  |   |
| Surrogate: 4-Bromofluorobenzene  | 65 |      | "    | 62.5 |  | 104 | 70-130 |  |  |   |

**LCS (B5D2578-BS1)**

Prepared: 04/25/2025 Analyzed: 04/27/2025

|                           |      |      |      |      |  |      |        |  |  |  |
|---------------------------|------|------|------|------|--|------|--------|--|--|--|
| 1,1,1,2-Tetrachloroethane | 55.0 | 1.00 | ug/L | 50.0 |  | 110  | 70-130 |  |  |  |
| 1,1,1-Trichloroethane     | 46.5 | 1.00 | "    | 50.0 |  | 93.1 | 70-130 |  |  |  |
| 1,1,2,2-Tetrachloroethane | 52.8 | 1.00 | "    | 50.0 |  | 106  | 70-130 |  |  |  |
| 1,1,2-Trichloroethane     | 55.3 | 1.00 | "    | 50.0 |  | 111  | 70-130 |  |  |  |
| 1,1-Dichloroethane        | 49.2 | 1.00 | "    | 50.0 |  | 98.3 | 70-130 |  |  |  |
| 1,1-Dichloroethene        | 49.8 | 1.00 | "    | 50.0 |  | 99.5 | 70-130 |  |  |  |
| 1,1-Dichloropropene       | 52.5 | 1.00 | "    | 50.0 |  | 105  | 70-130 |  |  |  |
| 1,2,3-Trichlorobenzene    | 52.6 | 5.00 | "    | 50.0 |  | 105  | 70-130 |  |  |  |
| 1,2,3-Trichloropropane    | 47.5 | 5.00 | "    | 50.0 |  | 95.0 | 70-130 |  |  |  |

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North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

**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 B5D2578 - EPA 5030B (Water)****LCS (B5D2578-BS1)**

Prepared: 04/25/2025 Analyzed: 04/27/2025

|                             |      |      |      |      |  |      |        |  |  |  |
|-----------------------------|------|------|------|------|--|------|--------|--|--|--|
| 1,2,4-Trichlorobenzene      | 53.2 | 5.00 | ug/L | 50.0 |  | 106  | 70-130 |  |  |  |
| 1,2,4-Trimethylbenzene      | 51.6 | 1.00 | "    | 50.0 |  | 103  | 70-130 |  |  |  |
| 1,2-Dibromo-3-chloropropane | 45.7 | 5.00 | "    | 50.0 |  | 91.4 | 70-130 |  |  |  |
| 1,2-Dibromoethane (EDB)     | 51.2 | 1.50 | "    | 50.0 |  | 102  | 70-130 |  |  |  |
| 1,2-Dichlorobenzene         | 53.0 | 1.00 | "    | 50.0 |  | 106  | 70-130 |  |  |  |
| 1,2-Dichloroethane          | 54.6 | 1.00 | "    | 50.0 |  | 109  | 70-130 |  |  |  |
| 1,2-Dichloropropane         | 52.0 | 1.00 | "    | 50.0 |  | 104  | 70-130 |  |  |  |
| 1,3,5-Trimethylbenzene      | 48.5 | 1.00 | "    | 50.0 |  | 97.0 | 70-130 |  |  |  |
| 1,3-Dichlorobenzene         | 48.8 | 1.00 | "    | 50.0 |  | 97.5 | 70-130 |  |  |  |
| 1,3-Dichloropropane         | 56.4 | 1.00 | "    | 50.0 |  | 113  | 70-130 |  |  |  |
| 1,4-Dichlorobenzene         | 53.8 | 1.00 | "    | 50.0 |  | 108  | 70-130 |  |  |  |
| 2,2-Dichloropropane         | 48.1 | 1.00 | "    | 50.0 |  | 96.2 | 70-130 |  |  |  |
| 2-Butanone                  | 265  | 5.00 | "    | 250  |  | 106  | 70-130 |  |  |  |
| 2-Chlorotoluene             | 50.4 | 1.00 | "    | 50.0 |  | 101  | 70-130 |  |  |  |
| 2-Hexanone                  | 251  | 6.00 | "    | 250  |  | 100  | 70-130 |  |  |  |
| 4-Chlorotoluene             | 50.7 | 1.00 | "    | 50.0 |  | 101  | 70-130 |  |  |  |
| 4-Isopropyltoluene          | 50.6 | 1.00 | "    | 50.0 |  | 101  | 70-130 |  |  |  |
| 4-Methyl-2-pentanone        | 253  | 5.00 | "    | 250  |  | 101  | 70-130 |  |  |  |
| Acetone                     | 282  | 8.00 | "    | 250  |  | 113  | 70-130 |  |  |  |
| Benzene                     | 53.0 | 1.00 | "    | 50.0 |  | 106  | 70-130 |  |  |  |
| Bromobenzene                | 54.2 | 1.00 | "    | 50.0 |  | 108  | 70-130 |  |  |  |
| Bromochloromethane          | 50.3 | 1.00 | "    | 50.0 |  | 101  | 70-130 |  |  |  |
| Bromodichloromethane        | 50.2 | 1.00 | "    | 50.0 |  | 100  | 70-130 |  |  |  |
| Bromoform                   | 48.1 | 1.00 | "    | 50.0 |  | 96.1 | 70-130 |  |  |  |
| Bromomethane                | 39.7 | 1.00 | "    | 50.0 |  | 79.4 | 70-130 |  |  |  |
| Carbon disulfide            | 52.9 | 5.00 | "    | 50.0 |  | 106  | 70-130 |  |  |  |

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5120 North Shore Drive  
North Little Rock AR 72118

Kyle Lawrence  
Project Number: PROJ-054017  
Project: PROJ-054017

**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 B5D2578 - EPA 5030B (Water)**

**LCS (B5D2578-BS1)**

Prepared: 04/25/2025 Analyzed: 04/27/2025

|                          |      |      |      |      |  |      |        |  |  |  |
|--------------------------|------|------|------|------|--|------|--------|--|--|--|
| Carbon tetrachloride     | 45.9 | 1.00 | ug/L | 50.0 |  | 91.8 | 70-130 |  |  |  |
| Chlorobenzene            | 54.0 | 1.00 | "    | 50.0 |  | 108  | 70-130 |  |  |  |
| Chloroethane             | 47.9 | 1.00 | "    | 50.0 |  | 95.7 | 70-130 |  |  |  |
| Chloroform               | 52.0 | 1.00 | "    | 50.0 |  | 104  | 70-130 |  |  |  |
| Chloromethane            | 43.1 | 1.00 | "    | 50.0 |  | 86.2 | 70-130 |  |  |  |
| cis-1,2-Dichloroethene   | 50.4 | 1.00 | "    | 50.0 |  | 101  | 70-130 |  |  |  |
| cis-1,3-Dichloropropene  | 56.0 | 1.00 | "    | 50.0 |  | 112  | 70-130 |  |  |  |
| Dibromochloromethane     | 53.5 | 1.00 | "    | 50.0 |  | 107  | 70-130 |  |  |  |
| Dibromomethane           | 50.1 | 1.00 | "    | 50.0 |  | 100  | 70-130 |  |  |  |
| Ethylbenzene             | 52.9 | 1.00 | "    | 50.0 |  | 106  | 70-130 |  |  |  |
| Hexachlorobutadiene      | 49.7 | 5.00 | "    | 50.0 |  | 99.3 | 70-130 |  |  |  |
| Iodomethane              | 49.0 | 10.0 | "    | 50.0 |  | 98.0 | 70-130 |  |  |  |
| Isopropylbenzene         | 52.4 | 1.00 | "    | 50.0 |  | 105  | 70-130 |  |  |  |
| m,p-Xylene               | 105  | 2.00 | "    | 100  |  | 105  | 70-130 |  |  |  |
| Methylene Chloride       | 51.4 | 15.0 | "    | 50.0 |  | 103  | 70-130 |  |  |  |
| Methyl tert-Butyl Ether  | 52.1 | 1.00 | "    | 50.0 |  | 104  | 70-130 |  |  |  |
| Naphthalene              | 48.6 | 4.00 | "    | 50.0 |  | 97.2 | 70-130 |  |  |  |
| n-Butylbenzene           | 50.1 | 1.00 | "    | 50.0 |  | 100  | 70-130 |  |  |  |
| n-Propylbenzene          | 50.0 | 1.00 | "    | 50.0 |  | 100  | 70-130 |  |  |  |
| o-Xylene                 | 53.9 | 1.00 | "    | 50.0 |  | 108  | 70-130 |  |  |  |
| sec-Butylbenzene         | 50.3 | 1.00 | "    | 50.0 |  | 101  | 70-130 |  |  |  |
| Styrene                  | 51.9 | 1.00 | "    | 50.0 |  | 104  | 70-130 |  |  |  |
| tert-Butylbenzene        | 47.5 | 1.00 | "    | 50.0 |  | 94.9 | 70-130 |  |  |  |
| Tetrachloroethene        | 49.3 | 1.00 | "    | 50.0 |  | 98.6 | 70-130 |  |  |  |
| Toluene                  | 49.7 | 1.00 | "    | 50.0 |  | 99.3 | 70-130 |  |  |  |
| trans-1,2-Dichloroethene | 50.5 | 1.00 | "    | 50.0 |  | 101  | 70-130 |  |  |  |

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5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

**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 B5D2578 - EPA 5030B (Water)****LCS (B5D2578-BS1)**

Prepared: 04/25/2025 Analyzed: 04/27/2025

|                                  |      |      |      |      |  |      |        |  |  |  |
|----------------------------------|------|------|------|------|--|------|--------|--|--|--|
| trans-1,3-Dichloropropene        | 51.1 | 1.00 | ug/L | 50.0 |  | 102  | 70-130 |  |  |  |
| Trichloroethene                  | 51.1 | 1.00 | "    | 50.0 |  | 102  | 70-130 |  |  |  |
| Trichlorofluoromethane           | 48.5 | 1.00 | "    | 50.0 |  | 97.1 | 70-130 |  |  |  |
| Vinyl chloride                   | 36.1 | 1.00 | "    | 50.0 |  | 72.2 | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 66   |      | "    | 62.5 |  | 106  | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 58   |      | "    | 62.5 |  | 93.5 | 70-130 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 70   |      | "    | 62.5 |  | 111  | 70-130 |  |  |  |

**Matrix Spike (B5D2578-MS1)****Source: E5D0689-09**

Prepared: 04/25/2025 Analyzed: 04/27/2025

|                             |      |      |      |      |    |      |        |  |  |  |
|-----------------------------|------|------|------|------|----|------|--------|--|--|--|
| 1,1,1,2-Tetrachloroethane   | 50.2 | 1.00 | ug/L | 50.0 | ND | 100  | 70-130 |  |  |  |
| 1,1,1-Trichloroethane       | 58.5 | 1.00 | "    | 50.0 | ND | 117  | 70-130 |  |  |  |
| 1,1,2,2-Tetrachloroethane   | 44.4 | 1.00 | "    | 50.0 | ND | 88.8 | 70-130 |  |  |  |
| 1,1,2-Trichloroethane       | 50.7 | 1.00 | "    | 50.0 | ND | 101  | 70-130 |  |  |  |
| 1,1-Dichloroethane          | 61.2 | 1.00 | "    | 50.0 | ND | 122  | 70-130 |  |  |  |
| 1,1-Dichloroethene          | 50.2 | 1.00 | "    | 50.0 | ND | 100  | 70-130 |  |  |  |
| 1,1-Dichloropropene         | 54.0 | 1.00 | "    | 50.0 | ND | 108  | 70-130 |  |  |  |
| 1,2,3-Trichlorobenzene      | 63.2 | 5.00 | "    | 50.0 | ND | 126  | 70-130 |  |  |  |
| 1,2,3-Trichloropropane      | 44.3 | 5.00 | "    | 50.0 | ND | 88.6 | 70-130 |  |  |  |
| 1,2,4-Trichlorobenzene      | 64.9 | 5.00 | "    | 50.0 | ND | 130  | 70-130 |  |  |  |
| 1,2,4-Trimethylbenzene      | 51.4 | 1.00 | "    | 50.0 | ND | 103  | 70-130 |  |  |  |
| 1,2-Dibromo-3-chloropropane | 51.8 | 5.00 | "    | 50.0 | ND | 104  | 70-130 |  |  |  |
| 1,2-Dibromoethane (EDB)     | 48.1 | 1.50 | "    | 50.0 | ND | 96.1 | 70-130 |  |  |  |
| 1,2-Dichlorobenzene         | 51.1 | 1.00 | "    | 50.0 | ND | 102  | 70-130 |  |  |  |
| 1,2-Dichloroethane          | 50.4 | 1.00 | "    | 50.0 | ND | 101  | 70-130 |  |  |  |
| 1,2-Dichloropropane         | 49.2 | 1.00 | "    | 50.0 | ND | 98.3 | 70-130 |  |  |  |
| 1,3,5-Trimethylbenzene      | 47.4 | 1.00 | "    | 50.0 | ND | 94.8 | 70-130 |  |  |  |
| 1,3-Dichlorobenzene         | 47.5 | 1.00 | "    | 50.0 | ND | 95.1 | 70-130 |  |  |  |

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Kyle Lawrence  
Project Number: PROJ-054017  
Project: PROJ-054017

**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 B5D2578 - EPA 5030B (Water)**

**Matrix Spike (B5D2578-MS1)**

**Source: E5D0689-09**

Prepared: 04/25/2025 Analyzed: 04/27/2025

|                         |      |      |      |      |      |      |        |  |  |       |
|-------------------------|------|------|------|------|------|------|--------|--|--|-------|
| 1,3-Dichloropropane     | 50.6 | 1.00 | ug/L | 50.0 | ND   | 101  | 70-130 |  |  |       |
| 1,4-Dichlorobenzene     | 51.3 | 1.00 | "    | 50.0 | ND   | 103  | 70-130 |  |  |       |
| 2,2-Dichloropropane     | 67.4 | 1.00 | "    | 50.0 | ND   | 135  | 70-130 |  |  | QM-07 |
| 2-Butanone              | 332  | 5.00 | "    | 250  | ND   | 133  | 70-130 |  |  | QM-07 |
| 2-Chlorotoluene         | 46.5 | 1.00 | "    | 50.0 | ND   | 93.0 | 70-130 |  |  |       |
| 2-Hexanone              | 213  | 6.00 | "    | 250  | ND   | 85.2 | 70-130 |  |  |       |
| 4-Chlorotoluene         | 48.5 | 1.00 | "    | 50.0 | ND   | 96.9 | 70-130 |  |  |       |
| 4-Isopropyltoluene      | 53.4 | 1.00 | "    | 50.0 | ND   | 107  | 70-130 |  |  |       |
| 4-Methyl-2-pentanone    | 206  | 5.00 | "    | 250  | ND   | 82.3 | 70-130 |  |  |       |
| Acetone                 | 260  | 8.00 | "    | 250  | 10.1 | 99.9 | 70-130 |  |  |       |
| Benzene                 | 53.4 | 1.00 | "    | 50.0 | ND   | 107  | 70-130 |  |  |       |
| Bromobenzene            | 47.0 | 1.00 | "    | 50.0 | ND   | 93.9 | 70-130 |  |  |       |
| Bromochloromethane      | 65.3 | 1.00 | "    | 50.0 | ND   | 131  | 70-130 |  |  | QM-07 |
| Bromodichloromethane    | 47.3 | 1.00 | "    | 50.0 | ND   | 94.6 | 70-130 |  |  |       |
| Bromoform               | 42.9 | 1.00 | "    | 50.0 | ND   | 85.7 | 70-130 |  |  |       |
| Bromomethane            | 37.4 | 1.00 | "    | 50.0 | ND   | 74.8 | 70-130 |  |  |       |
| Carbon disulfide        | 53.5 | 5.00 | "    | 50.0 | ND   | 107  | 70-130 |  |  |       |
| Carbon tetrachloride    | 49.6 | 1.00 | "    | 50.0 | ND   | 99.3 | 70-130 |  |  |       |
| Chlorobenzene           | 54.1 | 1.00 | "    | 50.0 | ND   | 108  | 70-130 |  |  |       |
| Chloroethane            | 44.6 | 1.00 | "    | 50.0 | ND   | 89.2 | 70-130 |  |  |       |
| Chloroform              | 66.2 | 1.00 | "    | 50.0 | ND   | 132  | 70-130 |  |  | QM-07 |
| Chloromethane           | 28.8 | 1.00 | "    | 50.0 | ND   | 57.7 | 70-130 |  |  | QM-07 |
| cis-1,2-Dichloroethene  | 68.6 | 1.00 | "    | 50.0 | ND   | 137  | 70-130 |  |  | QM-07 |
| cis-1,3-Dichloropropene | 51.2 | 1.00 | "    | 50.0 | ND   | 102  | 70-130 |  |  |       |
| Dibromochloromethane    | 50.0 | 1.00 | "    | 50.0 | ND   | 100  | 70-130 |  |  |       |
| Dibromomethane          | 49.8 | 1.00 | "    | 50.0 | ND   | 99.6 | 70-130 |  |  |       |

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Kyle Lawrence  
Project Number: PROJ-054017  
Project: PROJ-054017

**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 B5D2578 - EPA 5030B (Water)**

| Matrix Spike (B5D2578-MS1)       |      |      | Source: E5D0689-09 |      | Prepared: 04/25/2025 Analyzed: 04/27/2025 |      |        |  |  |       |
|----------------------------------|------|------|--------------------|------|---|------|--------|--|--|-------|
| Ethylbenzene                     | 49.4 | 1.00 | ug/L               | 50.0 | ND  | 98.8 | 70-130 |  |  |       |
| Hexachlorobutadiene              | 69.4 | 5.00 | "                  | 50.0 | ND  | 139  | 70-130 |  |  | QM-07 |
| Iodomethane                      | 51.2 | 10.0 | "                  | 50.0 | ND  | 102  | 70-130 |  |  |       |
| Isopropylbenzene                 | 52.3 | 1.00 | "                  | 50.0 | ND  | 105  | 70-130 |  |  |       |
| m,p-Xylene                       | 100  | 2.00 | "                  | 100  | ND  | 100  | 70-130 |  |  |       |
| Methylene Chloride               | 48.1 | 15.0 | "                  | 50.0 | ND  | 96.2 | 70-130 |  |  |       |
| Methyl tert-Butyl Ether          | 53.2 | 1.00 | "                  | 50.0 | ND  | 106  | 70-130 |  |  |       |
| Naphthalene                      | 59.0 | 4.00 | "                  | 50.0 | ND  | 118  | 70-130 |  |  |       |
| n-Butylbenzene                   | 52.5 | 1.00 | "                  | 50.0 | ND  | 105  | 70-130 |  |  |       |
| n-Propylbenzene                  | 49.2 | 1.00 | "                  | 50.0 | ND  | 98.4 | 70-130 |  |  |       |
| o-Xylene                         | 49.5 | 1.00 | "                  | 50.0 | ND  | 99.0 | 70-130 |  |  |       |
| sec-Butylbenzene                 | 52.3 | 1.00 | "                  | 50.0 | ND  | 105  | 70-130 |  |  |       |
| Styrene                          | 47.4 | 1.00 | "                  | 50.0 | ND  | 94.9 | 70-130 |  |  |       |
| tert-Butylbenzene                | 48.1 | 1.00 | "                  | 50.0 | ND  | 96.2 | 70-130 |  |  |       |
| Tetrachloroethene                | 53.3 | 1.00 | "                  | 50.0 | ND  | 107  | 70-130 |  |  |       |
| Toluene                          | 50.7 | 1.00 | "                  | 50.0 | ND  | 101  | 70-130 |  |  |       |
| trans-1,2-Dichloroethene         | 60.8 | 1.00 | "                  | 50.0 | ND  | 122  | 70-130 |  |  |       |
| trans-1,3-Dichloropropene        | 46.2 | 1.00 | "                  | 50.0 | ND  | 92.5 | 70-130 |  |  |       |
| Trichloroethene                  | 51.9 | 1.00 | "                  | 50.0 | ND  | 104  | 70-130 |  |  |       |
| Trichlorofluoromethane           | 44.0 | 1.00 | "                  | 50.0 | ND  | 88.1 | 70-130 |  |  |       |
| Vinyl chloride                   | 30.7 | 1.00 | "                  | 50.0 | ND  | 61.4 | 70-130 |  |  | QM-07 |
| Surrogate: 1,2-Dichloroethane-d4 | 62   |      | "                  | 62.5 |   | 99.4 | 70-130 |  |  |       |
| Surrogate: Toluene-d8            | 58   |      | "                  | 62.5 |   | 93.1 | 70-130 |  |  |       |
| Surrogate: 4-Bromofluorobenzene  | 62   |      | "                  | 62.5 |   | 99.5 | 70-130 |  |  |       |

| Matrix Spike Dup (B5D2578-MSD1) |      |      | Source: E5D0689-09 |      | Prepared: 04/25/2025 Analyzed: 04/27/2025 |     |        |      |    |       |
|---------------------------------|------|------|--------------------|------|---|-----|--------|------|----|-------|
| 1,1,1,2-Tetrachloroethane       | 62.2 | 1.00 | ug/L               | 50.0 | ND  | 124 | 70-130 | 21.3 | 20 | QR-02 |

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Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

**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 B5D2578 - EPA 5030B (Water)****Matrix Spike Dup (B5D2578-MSD1)****Source: E5D0689-09**

Prepared: 04/25/2025 Analyzed: 04/27/2025

|                             |      |      |      |      |    |      |        |        |    |       |
|-----------------------------|------|------|------|------|----|------|--------|--------|----|-------|
| 1,1,1-Trichloroethane       | 49.1 | 1.00 | ug/L | 50.0 | ND | 98.2 | 70-130 | 17.4   | 20 |       |
| 1,1,2,2-Tetrachloroethane   | 49.8 | 1.00 | "    | 50.0 | ND | 99.7 | 70-130 | 11.6   | 20 |       |
| 1,1,2-Trichloroethane       | 50.9 | 1.00 | "    | 50.0 | ND | 102  | 70-130 | 0.354  | 20 |       |
| 1,1-Dichloroethane          | 57.5 | 1.00 | "    | 50.0 | ND | 115  | 70-130 | 6.22   | 20 |       |
| 1,1-Dichloroethene          | 49.6 | 1.00 | "    | 50.0 | ND | 99.3 | 70-130 | 1.20   | 20 |       |
| 1,1-Dichloropropene         | 54.0 | 1.00 | "    | 50.0 | ND | 108  | 70-130 | 0.0741 | 20 |       |
| 1,2,3-Trichlorobenzene      | 58.3 | 5.00 | "    | 50.0 | ND | 117  | 70-130 | 8.08   | 20 |       |
| 1,2,3-Trichloropropane      | 48.6 | 5.00 | "    | 50.0 | ND | 97.3 | 70-130 | 9.38   | 20 |       |
| 1,2,4-Trichlorobenzene      | 57.8 | 5.00 | "    | 50.0 | ND | 116  | 70-130 | 11.6   | 20 |       |
| 1,2,4-Trimethylbenzene      | 52.8 | 1.00 | "    | 50.0 | ND | 106  | 70-130 | 2.80   | 20 |       |
| 1,2-Dibromo-3-chloropropane | 48.5 | 5.00 | "    | 50.0 | ND | 97.0 | 70-130 | 6.68   | 20 |       |
| 1,2-Dibromoethane (EDB)     | 47.4 | 1.50 | "    | 50.0 | ND | 94.8 | 70-130 | 1.38   | 20 |       |
| 1,2-Dichlorobenzene         | 53.8 | 1.00 | "    | 50.0 | ND | 108  | 70-130 | 5.13   | 20 |       |
| 1,2-Dichloroethane          | 52.9 | 1.00 | "    | 50.0 | ND | 106  | 70-130 | 4.96   | 20 |       |
| 1,2-Dichloropropane         | 50.2 | 1.00 | "    | 50.0 | ND | 100  | 70-130 | 2.07   | 20 |       |
| 1,3,5-Trimethylbenzene      | 49.0 | 1.00 | "    | 50.0 | ND | 98.1 | 70-130 | 3.46   | 20 |       |
| 1,3-Dichlorobenzene         | 48.3 | 1.00 | "    | 50.0 | ND | 96.6 | 70-130 | 1.57   | 20 |       |
| 1,3-Dichloropropane         | 51.6 | 1.00 | "    | 50.0 | ND | 103  | 70-130 | 2.06   | 20 |       |
| 1,4-Dichlorobenzene         | 52.8 | 1.00 | "    | 50.0 | ND | 106  | 70-130 | 2.88   | 20 |       |
| 2,2-Dichloropropane         | 49.2 | 1.00 | "    | 50.0 | ND | 98.4 | 70-130 | 31.2   | 20 | QR-02 |
| 2-Butanone                  | 245  | 5.00 | "    | 250  | ND | 97.9 | 70-130 | 30.4   | 20 | QR-02 |
| 2-Chlorotoluene             | 48.9 | 1.00 | "    | 50.0 | ND | 97.8 | 70-130 | 5.01   | 20 |       |
| 2-Hexanone                  | 228  | 6.00 | "    | 250  | ND | 91.3 | 70-130 | 6.91   | 20 |       |
| 4-Chlorotoluene             | 49.0 | 1.00 | "    | 50.0 | ND | 97.9 | 70-130 | 0.985  | 20 |       |
| 4-Isopropyltoluene          | 54.2 | 1.00 | "    | 50.0 | ND | 108  | 70-130 | 1.45   | 20 |       |
| 4-Methyl-2-pentanone        | 221  | 5.00 | "    | 250  | ND | 88.4 | 70-130 | 7.16   | 20 |       |

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Jordan A. Bynon, Project Manager





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Kyle Lawrence  
Project Number: PROJ-054017  
Project: PROJ-054017

**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 B5D2578 - EPA 5030B (Water)  |        |                 |       |             |               |      |             |       |           |       |
| Matrix Spike Dup (B5D2578-MSD1) Source: E5D0689-09 Prepared: 04/25/2025 Analyzed: 04/27/2025 |        |                 |       |             |               |      |             |       |           |       |
| Acetone  | 270    | 8.00            | ug/L  | 250         | 10.1          | 104  | 70-130      | 3.85  | 20        |       |
| Benzene  | 53.2   | 1.00            | "     | 50.0        | ND            | 106  | 70-130      | 0.525 | 20        |       |
| Bromobenzene   | 48.4   | 1.00            | "     | 50.0        | ND            | 96.8 | 70-130      | 3.08  | 20        |       |
| Bromochloromethane   | 52.6   | 1.00            | "     | 50.0        | ND            | 105  | 70-130      | 21.6  | 20        | QR-02 |
| Bromodichloromethane   | 49.7   | 1.00            | "     | 50.0        | ND            | 99.4 | 70-130      | 4.97  | 20        |       |
| Bromoform  | 47.3   | 1.00            | "     | 50.0        | ND            | 94.6 | 70-130      | 9.80  | 20        |       |
| Bromomethane   | 35.0   | 1.00            | "     | 50.0        | ND            | 70.1 | 70-130      | 6.54  | 20        |       |
| Carbon disulfide   | 52.9   | 5.00            | "     | 50.0        | ND            | 106  | 70-130      | 1.13  | 20        |       |
| Carbon tetrachloride   | 49.6   | 1.00            | "     | 50.0        | ND            | 99.2 | 70-130      | 0.101 | 20        |       |
| Chlorobenzene  | 54.4   | 1.00            | "     | 50.0        | ND            | 109  | 70-130      | 0.645 | 20        |       |
| Chloroethane   | 39.3   | 1.00            | "     | 50.0        | ND            | 78.7 | 70-130      | 12.6  | 20        |       |
| Chloroform   | 50.1   | 1.00            | "     | 50.0        | ND            | 100  | 70-130      | 27.8  | 20        | QR-02 |
| Chloromethane  | 25.1   | 1.00            | "     | 50.0        | ND            | 50.3 | 70-130      | 13.7  | 20        | QM-07 |
| cis-1,2-Dichloroethene   | 49.1   | 1.00            | "     | 50.0        | ND            | 98.3 | 70-130      | 33.0  | 20        | QR-02 |
| cis-1,3-Dichloropropene  | 50.9   | 1.00            | "     | 50.0        | ND            | 102  | 70-130      | 0.666 | 20        |       |
| Dibromochloromethane   | 50.9   | 1.00            | "     | 50.0        | ND            | 102  | 70-130      | 1.70  | 20        |       |
| Dibromomethane   | 53.2   | 1.00            | "     | 50.0        | ND            | 106  | 70-130      | 6.55  | 20        |       |
| Ethylbenzene   | 58.7   | 1.00            | "     | 50.0        | ND            | 117  | 70-130      | 17.2  | 20        |       |
| Hexachlorobutadiene  | 58.7   | 5.00            | "     | 50.0        | ND            | 117  | 70-130      | 16.6  | 20        |       |
| Iodomethane  | 50.7   | 10.0            | "     | 50.0        | ND            | 101  | 70-130      | 0.923 | 20        |       |
| Isopropylbenzene   | 52.5   | 1.00            | "     | 50.0        | ND            | 105  | 70-130      | 0.400 | 20        |       |
| m,p-Xylene   | 128    | 2.00            | "     | 100         | ND            | 128  | 70-130      | 24.2  | 20        | QR-02 |
| Methylene Chloride   | 49.0   | 15.0            | "     | 50.0        | ND            | 98.1 | 70-130      | 1.96  | 20        |       |
| Methyl tert-Butyl Ether  | 48.8   | 1.00            | "     | 50.0        | ND            | 97.6 | 70-130      | 8.66  | 20        |       |
| Naphthalene  | 52.9   | 4.00            | "     | 50.0        | ND            | 106  | 70-130      | 10.9  | 20        |       |
| n-Butylbenzene   | 52.4   | 1.00            | "     | 50.0        | ND            | 105  | 70-130      | 0.134 | 20        |       |

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CTEH

5120 North Shore Drive

North Little Rock AR 72118

Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

**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 B5D2578 - EPA 5030B (Water)**

| Matrix Spike Dup (B5D2578-MSD1)  |      |      | Source: E5D0689-09 |      | Prepared: 04/25/2025 Analyzed: 04/27/2025 |      |        |       |    |       |
|----------------------------------|------|------|--------------------|------|---|------|--------|-------|----|-------|
| n-Propylbenzene                  | 49.3 | 1.00 | ug/L               | 50.0 | ND  | 98.7 | 70-130 | 0.244 | 20 |       |
| o-Xylene                         | 51.5 | 1.00 | "                  | 50.0 | ND  | 103  | 70-130 | 3.94  | 20 |       |
| sec-Butylbenzene                 | 53.6 | 1.00 | "                  | 50.0 | ND  | 107  | 70-130 | 2.36  | 20 |       |
| Styrene                          | 48.2 | 1.00 | "                  | 50.0 | ND  | 96.5 | 70-130 | 1.71  | 20 |       |
| tert-Butylbenzene                | 49.5 | 1.00 | "                  | 50.0 | ND  | 99.0 | 70-130 | 2.83  | 20 |       |
| Tetrachloroethene                | 47.6 | 1.00 | "                  | 50.0 | ND  | 95.2 | 70-130 | 11.3  | 20 |       |
| Toluene                          | 48.2 | 1.00 | "                  | 50.0 | ND  | 96.4 | 70-130 | 5.07  | 20 |       |
| trans-1,2-Dichloroethene         | 49.1 | 1.00 | "                  | 50.0 | ND  | 98.2 | 70-130 | 21.3  | 20 | QR-02 |
| trans-1,3-Dichloropropene        | 47.4 | 1.00 | "                  | 50.0 | ND  | 94.8 | 70-130 | 2.46  | 20 |       |
| Trichloroethene                  | 52.3 | 1.00 | "                  | 50.0 | ND  | 105  | 70-130 | 0.691 | 20 |       |
| Trichlorofluoromethane           | 39.8 | 1.00 | "                  | 50.0 | ND  | 79.6 | 70-130 | 10.2  | 20 |       |
| Vinyl chloride                   | 28.4 | 1.00 | "                  | 50.0 | ND  | 56.7 | 70-130 | 7.86  | 20 | QM-07 |
| Surrogate: 1,2-Dichloroethane-d4 | 62   |      | "                  | 62.5 |   | 100  | 70-130 |       |    |       |
| Surrogate: Toluene-d8            | 55   |      | "                  | 62.5 |   | 87.9 | 70-130 |       |    |       |
| Surrogate: 4-Bromofluorobenzene  | 62   |      | "                  | 62.5 |   | 99.9 | 70-130 |       |    |       |

**Batch B5D2603 - EPA 5030 (soil)**

| Blank (B5D2603-BLK1)        |    |         | Prepared: 04/26/2025 Analyzed: 04/26/2025 |  |  |  |  |  |  |   |
|-----------------------------|----|---------|---|--|--|--|--|--|--|---|
| 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 |

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Jordan A. Bynon, Project Manager





CTEH  
5120 North Shore Drive  
North Little Rock AR 72118

Kyle Lawrence  
Project Number: PROJ-054017  
Project: PROJ-054017

**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 B5D2603 - EPA 5030 (soil)**

**Blank (B5D2603-BLK1)**

Prepared: 04/26/2025 Analyzed: 04/26/2025

|                                  |      |  |       |       |  |      |        |  |  |  |
|----------------------------------|------|--|-------|-------|--|------|--------|--|--|--|
| Surrogate: 1,2-Dichloroethane-d4 | 0.13 |  | mg/kg | 0.125 |  | 103  | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.12 |  | "     | 0.125 |  | 97.9 | 70-130 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 0.13 |  | "     | 0.125 |  | 101  | 70-130 |  |  |  |

**LCS (B5D2603-BS1)**

Prepared: 04/26/2025 Analyzed: 04/26/2025

|                        |        |         |       |       |  |      |        |  |  |  |
|------------------------|--------|---------|-------|-------|--|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.0871 | 0.00200 | mg/kg | 0.100 |  | 87.1 | 70-130 |  |  |  |
| 1,3,5-Trimethylbenzene | 0.0871 | 0.00200 | "     | 0.100 |  | 87.1 | 70-130 |  |  |  |
| Benzene                | 0.0855 | 0.00200 | "     | 0.100 |  | 85.5 | 70-130 |  |  |  |
| Ethylbenzene           | 0.0839 | 0.00200 | "     | 0.100 |  | 83.9 | 70-130 |  |  |  |
| Naphthalene            | 0.0942 | 0.00380 | "     | 0.100 |  | 94.2 | 70-130 |  |  |  |
| Toluene                | 0.0837 | 0.00200 | "     | 0.100 |  | 83.7 | 70-130 |  |  |  |
| o-Xylene               | 0.0848 | 0.00200 | "     | 0.100 |  | 84.8 | 70-130 |  |  |  |
| m,p-Xylene             | 0.162  | 0.00400 | "     | 0.200 |  | 81.2 | 70-130 |  |  |  |

|                                  |      |  |   |       |  |      |        |  |  |  |
|----------------------------------|------|--|---|-------|--|------|--------|--|--|--|
| Surrogate: 1,2-Dichloroethane-d4 | 0.13 |  | " | 0.125 |  | 100  | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.12 |  | " | 0.125 |  | 99.2 | 70-130 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 0.12 |  | " | 0.125 |  | 100  | 70-130 |  |  |  |

**Matrix Spike (B5D2603-MS1)**

**Source: E5D0751-01**

Prepared: 04/26/2025 Analyzed: 04/26/2025

|                        |        |         |       |       |          |      |        |  |  |       |
|------------------------|--------|---------|-------|-------|----------|------|--------|--|--|-------|
| 1,2,4-Trimethylbenzene | 0.0769 | 0.00200 | mg/kg | 0.100 | ND       | 76.9 | 70-130 |  |  |       |
| 1,3,5-Trimethylbenzene | 0.0767 | 0.00200 | "     | 0.100 | ND       | 76.7 | 70-130 |  |  |       |
| Benzene                | 0.0880 | 0.00200 | "     | 0.100 | 0.000540 | 87.4 | 70-130 |  |  |       |
| Ethylbenzene           | 0.0835 | 0.00200 | "     | 0.100 | ND       | 83.5 | 70-130 |  |  |       |
| Naphthalene            | 0.0694 | 0.00380 | "     | 0.100 | ND       | 69.4 | 70-130 |  |  | QM-07 |
| Toluene                | 0.0842 | 0.00200 | "     | 0.100 | ND       | 84.2 | 70-130 |  |  |       |
| o-Xylene               | 0.0846 | 0.00200 | "     | 0.100 | ND       | 84.6 | 70-130 |  |  |       |
| m,p-Xylene             | 0.160  | 0.00400 | "     | 0.200 | ND       | 80.2 | 70-130 |  |  |       |

|                                  |      |  |   |       |  |     |        |  |  |  |
|----------------------------------|------|--|---|-------|--|-----|--------|--|--|--|
| Surrogate: 1,2-Dichloroethane-d4 | 0.13 |  | " | 0.125 |  | 108 | 70-130 |  |  |  |
|----------------------------------|------|--|---|-------|--|-----|--------|--|--|--|

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Kyle Lawrence  
Project Number: PROJ-054017  
Project: PROJ-054017

**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 |
|--|--------|-----------------|---------------------------|-------------|---|------|-------------|------|-----------|-------|
| <b>Batch B5D2603 - EPA 5030 (soil)</b> |        |                 |                           |             |   |      |             |      |           |       |
| <b>Matrix Spike (B5D2603-MS1)</b>      |        |                 | <b>Source: E5D0751-01</b> |             | Prepared: 04/26/2025 Analyzed: 04/26/2025 |      |             |      |           |       |
| Surrogate: Toluene-d8                  | 0.13   |                 | mg/kg                     | 0.125       |   | 100  | 70-130      |      |           |       |
| Surrogate: 4-Bromofluorobenzene        | 0.13   |                 | "                         | 0.125       |   | 102  | 70-130      |      |           |       |
| <b>Matrix Spike Dup (B5D2603-MSD1)</b> |        |                 | <b>Source: E5D0751-01</b> |             | Prepared: 04/26/2025 Analyzed: 04/26/2025 |      |             |      |           |       |
| 1,2,4-Trimethylbenzene                 | 0.0627 | 0.00200         | mg/kg                     | 0.100       | ND  | 62.7 | 70-130      | 20.4 | 20        | QM-07 |
| 1,3,5-Trimethylbenzene                 | 0.0626 | 0.00200         | "                         | 0.100       | ND  | 62.6 | 70-130      | 20.2 | 20        | QM-07 |
| Benzene                                | 0.0772 | 0.00200         | "                         | 0.100       | 0.000540                                  | 76.7 | 70-130      | 13.0 | 20        |       |
| Ethylbenzene                           | 0.0695 | 0.00200         | "                         | 0.100       | ND  | 69.5 | 70-130      | 18.2 | 20        | QM-07 |
| Naphthalene                            | 0.0614 | 0.00380         | "                         | 0.100       | ND  | 61.4 | 70-130      | 12.1 | 20        | QM-07 |
| Toluene                                | 0.0727 | 0.00200         | "                         | 0.100       | ND  | 72.7 | 70-130      | 14.6 | 20        |       |
| o-Xylene                               | 0.0712 | 0.00200         | "                         | 0.100       | ND  | 71.2 | 70-130      | 17.2 | 20        |       |
| m,p-Xylene                             | 0.135  | 0.00400         | "                         | 0.200       | ND  | 67.3 | 70-130      | 17.5 | 20        | QM-07 |
| Surrogate: 1,2-Dichloroethane-d4       | 0.13   |                 | "                         | 0.125       |   | 108  | 70-130      |      |           |       |
| Surrogate: Toluene-d8                  | 0.12   |                 | "                         | 0.125       |   | 98.1 | 70-130      |      |           |       |
| Surrogate: 4-Bromofluorobenzene        | 0.13   |                 | "                         | 0.125       |   | 102  | 70-130      |      |           |       |

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Kyle Lawrence

Project Number: PROJ-054017

Project: PROJ-054017

### Notes and Definitions

U Sample is Non-Detect.

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.

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