



July 12, 2017

Eagle Environmental Consulting, Inc.

Martin C Eckert III

4101 Inca Street

Denver

CO 80211

**Project Name - Eldridge 4-23**

**Project Number - [none]**

Attached are your analytical results for Eldridge 4-23 received by Origins Laboratory, Inc. June 30, 2017. This project is associated with Origins project number Y707019-01.

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

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

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

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

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

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



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

Eagle Environmental Consulting, Inc.  
4101 Inca Street  
Denver CO 80211

Martin C Eckert III  
Project Number: [none]  
Project: Eldridge 4-23

## CROSS REFERENCE REPORT

| Sample ID    | Laboratory ID | Matrix | Date Sampled        | Date Received    |
|--------------|---------------|--------|---------------------|------------------|
| MW-01@2.5-5' | Y707019-01    | Soil   | June 30, 2017 10:25 | 06/30/2017 15:50 |
| MW-02@2.5-5' | Y707019-02    | Soil   | June 30, 2017 10:45 | 06/30/2017 15:50 |
| MW-03@2.5-5' | Y707019-03    | Soil   | June 30, 2017 11:15 | 06/30/2017 15:50 |
| MW-04@2.5-5' | Y707019-04    | Soil   | June 30, 2017 11:45 | 06/30/2017 15:50 |
| MW-05@2.5-5' | Y707019-05    | Soil   | June 30, 2017 12:35 | 06/30/2017 15:50 |
| MW-06@2.5-5' | Y707019-06    | Soil   | June 30, 2017 9:57  | 06/30/2017 15:50 |
| MW-07@2.5-5' | Y707019-07    | Soil   | June 30, 2017 8:26  | 06/30/2017 15:50 |
| MW-08@2.5-5' | Y707019-08    | Soil   | June 30, 2017 13:00 | 06/30/2017 15:50 |
| SS-13@2.5'   | Y707019-09    | Soil   | June 30, 2017 13:55 | 06/30/2017 15:50 |

Origins Laboratory, Inc.



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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Eldridge 4-23

www.originslaboratory.com

page | of |

7707019

Client: Eagle Environmental Consulting  
 Address: 4101 Inca St  
 Telephone Number: Denver CO 80211  
 Email Address: mce3@eagle-env.com

Project Manager: Martin Eckert III  
 Project Name: Eldridge 4-23  
 Project Number:           
 Samples Collected By: JS

Fax: 303.265.9645 | Phone: 303.433.1322 | Denver, CO 80211

| Sample ID Description               | Date Sampled  | Time Sampled | # of Containers | Preservative                    |               |                  |                                 | Matrix        |            |   | Analysis |     |     |     | Sample Instructions |     |  |  |
|-------------------------------------|---------------|--------------|-----------------|---------------------------------|---------------|------------------|---------------------------------|---------------|------------|---|----------|-----|-----|-----|---------------------|-----|--|--|
|                                     |               |              |                 | Unpreserved                     | HCl           | HNO <sub>3</sub> | Other                           | Groundwater   | Soil       | Air/Sediment  | Other    | TPH | TPH | TPH |                     | TPH |  |  |
| MW-01@2.5-5'                        | 6/20/17       | 1025         | 2               | X                               |               |                  |                                 | X             |            |   |          |     |     |     |                     |     |  |  |
| MW-02@2.5-5'                        |               | 1045         |                 |                                 |               |                  |                                 |               |            |   |          |     |     |     |                     |     |  |  |
| MW-03@2.5-5'                        |               | 1115         |                 |                                 |               |                  |                                 |               |            |   |          |     |     |     |                     |     |  |  |
| MW-04@2.5-5'                        |               | 1145         |                 |                                 |               |                  |                                 |               |            |   |          |     |     |     |                     |     |  |  |
| MW-05@2.5-5'                        |               | 1235         |                 |                                 |               |                  |                                 |               |            |   |          |     |     |     |                     |     |  |  |
| MW-06@2.5-5'                        |               | 0957         |                 |                                 |               |                  |                                 |               |            |   |          |     |     |     |                     |     |  |  |
| MW-07@2.5-5'                        |               | 0826         |                 |                                 |               |                  |                                 |               |            |   |          |     |     |     |                     |     |  |  |
| MW-08@2.5-5'                        |               | 1300         |                 |                                 |               |                  |                                 |               |            |   |          |     |     |     |                     |     |  |  |
| MW-09@2.5-5'                        |               | 1355         |                 |                                 |               |                  |                                 |               |            |   |          |     |     |     |                     |     |  |  |
| Relinquished By: <i>[Signature]</i> | Date: 6/30/17 | Time: 1550   | Time: 1550      | Received By: <i>[Signature]</i> | Date: 6-30-17 | Time: 1550       | Received By: <i>[Signature]</i> | Date: 6-30-17 | Time: 1550 | Turnaround Time: Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input checked="" type="checkbox"/> Standard |          |     |     |     |                     |     |  |  |

Temp Received: 4.3 Date Results Needed: SRC

Origins Laboratory, Inc.

*Jefe Pellegrini*

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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Eldridge 4-23

Origins Laboratory

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

**Sample Receipt Checklist**

Origins Work Order: 4707019

Client: Eagle Env

Client Project ID: Eldridge 4-23

Checklist Completed by: Dan

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

Date/time completed: 7-3-17 10:24

Airbill #: N/A

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

Cooler Number/Temperature: 1 4.3 °C 1 °C 1 °C 1 °C

Thermometer ID: TC03

| 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> ?   | /   |    |     |                   |
| Is there ice present (document if blue ice is used)   | /   |    |     |                   |
| Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)   |     | /  |     |                   |
| Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)  |     | /  |     |                   |
| Were all samples received intact <sup>(1)</sup> ?   | /   |    |     |                   |
| Was adequate sample volume provided <sup>(1)</sup> ?  | /   |    |     |                   |
| Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?  | /   |    |     | <i>pk</i>         |
| Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?  | /   |    |     |                   |
| Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?   | /   |    |     |                   |
| Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?   | /   |    |     |                   |
| Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?   | /   |    |     |                   |
| For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.  |     |    | /   |                   |
| 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 subcontracted 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, ZnAc+NaOH) |     | /  |     |                   |
| 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 in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) \_\_\_\_\_

7-3-17 10:24  
 Date/Time Reviewed

Origins Laboratory, Inc.



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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Eldridge 4-23

**MW-01@2.5-5'**  
**6/30/2017 10:25:00AM**

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

**Origins Laboratory, Inc.**  
**Y707019-01 (Soil)**

**Diesel Range Organics (DRO/TEPH) by EPA 8015C**

|                  |      |      |       |   |         |            |            |
|------------------|------|------|-------|---|---------|------------|------------|
| Diesel (C10-C28) | 93.7 | 50.0 | mg/kg | 1 | B7G0605 | 07/06/2017 | 07/06/2017 |
|------------------|------|------|-------|---|---------|------------|------------|

|                        |        |        |  |  |   |   |   |
|------------------------|--------|--------|--|--|---|---|---|
| Surrogate: o-Terphenyl | 75.9 % | 59-131 |  |  | " | " | " |
|------------------------|--------|--------|--|--|---|---|---|

**GBTEX by EPA 8260C**

|                             |       |      |       |      |         |            |            |
|-----------------------------|-------|------|-------|------|---------|------------|------------|
| Gasoline Range Hydrocarbons | 11200 | 500  | mg/kg | 2500 | B7G0604 | 07/06/2017 | 07/07/2017 |
| Benzene                     | 156   | 4.98 | "     | "    | "       | "          | "          |
| Toluene                     | 117   | 4.98 | "     | "    | "       | "          | "          |
| Ethylbenzene                | 25.6  | 4.98 | "     | "    | "       | "          | "          |
| Xylenes, total              | 186   | 4.98 | "     | "    | "       | "          | "          |

|                                  |        |        |  |  |   |   |   |
|----------------------------------|--------|--------|--|--|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 99.2 % | 70-130 |  |  | " | " | " |
|----------------------------------|--------|--------|--|--|---|---|---|

|                       |        |        |  |  |   |   |            |
|-----------------------|--------|--------|--|--|---|---|------------|
| Surrogate: Toluene-d8 | 95.2 % | 70-130 |  |  | " | " | 07/06/2017 |
|-----------------------|--------|--------|--|--|---|---|------------|

|                                 |       |        |  |  |   |   |   |
|---------------------------------|-------|--------|--|--|---|---|---|
| Surrogate: 4-Bromofluorobenzene | 110 % | 70-130 |  |  | " | " | " |
|---------------------------------|-------|--------|--|--|---|---|---|

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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Eldridge 4-23

**MW-02@2.5-5'**  
**6/30/2017 10:45:00AM**

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

**Origins Laboratory, Inc.**  
**Y707019-02 (Soil)**

**Diesel Range Organics (DRO/TEPH) by EPA 8015C**

|                                |        |        |       |   |         |            |            |   |
|--------------------------------|--------|--------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28)               | ND     | 50.0   | mg/kg | 1 | B7G0605 | 07/06/2017 | 07/06/2017 | U |
| Surrogate: <i>o</i> -Terphenyl | 83.1 % | 59-131 |       |   | "       | "          | "          |   |

**GBTEX by EPA 8260C**

|                                  |              |        |       |   |         |            |            |  |
|----------------------------------|--------------|--------|-------|---|---------|------------|------------|--|
| Gasoline Range Hydrocarbons      | <b>0.399</b> | 0.200  | mg/kg | 1 | B7G0604 | 07/06/2017 | 07/06/2017 |  |
| Benzene                          | <b>0.002</b> | 0.002  | "     | " | "       | "          | "          |  |
| Toluene                          | <b>0.002</b> | 0.002  | "     | " | "       | "          | "          |  |
| Ethylbenzene                     | <b>0.003</b> | 0.002  | "     | " | "       | "          | "          |  |
| Xylenes, total                   | <b>0.006</b> | 0.002  | "     | " | "       | "          | "          |  |
| Surrogate: 1,2-Dichloroethane-d4 | 108 %        | 70-130 |       |   | "       | "          | "          |  |
| Surrogate: Toluene-d8            | 93.1 %       | 70-130 |       |   | "       | "          | "          |  |
| Surrogate: 4-Bromofluorobenzene  | 91.5 %       | 70-130 |       |   | "       | "          | "          |  |

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Martin C Eckert III  
 Project Number: [none]  
 Project: Eldridge 4-23

**MW-03@2.5-5'**  
**6/30/2017 11:15:00AM**

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

**Origins Laboratory, Inc.**  
**Y707019-03 (Soil)**

**Diesel Range Organics (DRO/TEPH) by EPA 8015C**

|                        |        |        |       |   |         |            |            |   |
|------------------------|--------|--------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28)       | ND     | 50.0   | mg/kg | 1 | B7G0605 | 07/06/2017 | 07/06/2017 | U |
| Surrogate: o-Terphenyl | 82.4 % | 59-131 |       |   | "       | "          | "          |   |

**GBTEX by EPA 8260C**

|                                  |        |        |       |   |         |            |            |   |
|----------------------------------|--------|--------|-------|---|---------|------------|------------|---|
| Gasoline Range Hydrocarbons      | ND     | 0.200  | mg/kg | 1 | B7G0604 | 07/06/2017 | 07/06/2017 | U |
| Benzene                          | ND     | 0.002  | "     | " | "       | "          | "          | U |
| Toluene                          | ND     | 0.002  | "     | " | "       | "          | "          | U |
| Ethylbenzene                     | ND     | 0.002  | "     | " | "       | "          | "          | U |
| Xylenes, total                   | ND     | 0.002  | "     | " | "       | "          | "          | U |
| Surrogate: 1,2-Dichloroethane-d4 | 107 %  | 70-130 |       |   | "       | "          | "          |   |
| Surrogate: Toluene-d8            | 92.7 % | 70-130 |       |   | "       | "          | "          |   |
| Surrogate: 4-Bromofluorobenzene  | 91.8 % | 70-130 |       |   | "       | "          | "          |   |

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Martin C Eckert III  
 Project Number: [none]  
 Project: Eldridge 4-23

**MW-04@2.5-5'**  
**6/30/2017 11:45:00AM**

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

**Origins Laboratory, Inc.**  
**Y707019-04 (Soil)**

**Diesel Range Organics (DRO/TEPH) by EPA 8015C**

|                               |        |        |       |   |         |            |            |   |
|-------------------------------|--------|--------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28)              | ND     | 50.0   | mg/kg | 1 | B7G0605 | 07/06/2017 | 07/06/2017 | U |
| <i>Surrogate: o-Terphenyl</i> | 84.0 % | 59-131 |       |   | "       | "          | "          |   |

**GBTEX by EPA 8260C**

|   |              |        |       |   |         |            |            |   |
|---|--------------|--------|-------|---|---------|------------|------------|---|
| Gasoline Range Hydrocarbons             | <b>0.248</b> | 0.200  | mg/kg | 1 | B7G0604 | 07/06/2017 | 07/06/2017 |   |
| Benzene                                 | <b>0.003</b> | 0.002  | "     | " | "       | "          | "          |   |
| Toluene                                 | ND           | 0.002  | "     | " | "       | "          | "          | U |
| Ethylbenzene                            | ND           | 0.002  | "     | " | "       | "          | "          | U |
| Xylenes, total                          | ND           | 0.002  | "     | " | "       | "          | "          | U |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 106 %        | 70-130 |       |   | "       | "          | "          |   |
| <i>Surrogate: Toluene-d8</i>            | 93.7 %       | 70-130 |       |   | "       | "          | "          |   |
| <i>Surrogate: 4-Bromofluorobenzene</i>  | 95.3 %       | 70-130 |       |   | "       | "          | "          |   |

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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Eldridge 4-23

**MW-05@2.5-5'**  
**6/30/2017 12:35:00PM**

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

**Origins Laboratory, Inc.**  
**Y707019-05 (Soil)**

**Diesel Range Organics (DRO/TEPH) by EPA 8015C**

|                               |        |        |       |   |         |            |            |   |
|-------------------------------|--------|--------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28)              | ND     | 50.0   | mg/kg | 1 | B7G0605 | 07/06/2017 | 07/06/2017 | U |
| <i>Surrogate: o-Terphenyl</i> | 79.6 % | 59-131 |       |   | "       | "          | "          |   |

**GBTEX by EPA 8260C**

|   |        |        |       |   |         |            |            |   |
|---|--------|--------|-------|---|---------|------------|------------|---|
| Gasoline Range Hydrocarbons             | ND     | 0.200  | mg/kg | 1 | B7G0604 | 07/06/2017 | 07/06/2017 | U |
| Benzene                                 | ND     | 0.002  | "     | " | "       | "          | "          | U |
| Toluene                                 | ND     | 0.002  | "     | " | "       | "          | "          | U |
| Ethylbenzene                            | ND     | 0.002  | "     | " | "       | "          | "          | U |
| Xylenes, total                          | ND     | 0.002  | "     | " | "       | "          | "          | U |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 106 %  | 70-130 |       |   | "       | "          | "          |   |
| <i>Surrogate: Toluene-d8</i>            | 92.7 % | 70-130 |       |   | "       | "          | "          |   |
| <i>Surrogate: 4-Bromofluorobenzene</i>  | 92.9 % | 70-130 |       |   | "       | "          | "          |   |

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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Eldridge 4-23

**MW-06@2.5-5'**  
**6/30/2017 9:57:00AM**

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

**Origins Laboratory, Inc.**  
**Y707019-06 (Soil)**

**Diesel Range Organics (DRO/TEPH) by EPA 8015C**

|                        |        |        |       |   |         |            |            |   |
|------------------------|--------|--------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28)       | ND     | 50.0   | mg/kg | 1 | B7G0605 | 07/06/2017 | 07/06/2017 | U |
| Surrogate: o-Terphenyl | 73.8 % | 59-131 |       |   | "       | "          | "          |   |

**GBTEX by EPA 8260C**

|                                  |             |        |       |    |         |            |            |  |
|----------------------------------|-------------|--------|-------|----|---------|------------|------------|--|
| Gasoline Range Hydrocarbons      | <b>292</b>  | 5.00   | mg/kg | 25 | B7G0604 | 07/06/2017 | 07/06/2017 |  |
| Benzene                          | <b>4.74</b> | 0.050  | "     | "  | "       | "          | "          |  |
| Toluene                          | <b>1.63</b> | 0.050  | "     | "  | "       | "          | "          |  |
| Ethylbenzene                     | <b>1.88</b> | 0.050  | "     | "  | "       | "          | "          |  |
| Xylenes, total                   | <b>11.3</b> | 0.050  | "     | "  | "       | "          | "          |  |
| Surrogate: 1,2-Dichloroethane-d4 | 96.1 %      | 70-130 |       |    | "       | "          | "          |  |
| Surrogate: Toluene-d8            | 95.1 %      | 70-130 |       |    | "       | "          | "          |  |
| Surrogate: 4-Bromofluorobenzene  | 98.5 %      | 70-130 |       |    | "       | "          | "          |  |

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Eldridge 4-23

**MW-07@2.5-5'**  
**6/30/2017 8:26:00AM**

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

**Origins Laboratory, Inc.**  
**Y707019-07 (Soil)**

**Diesel Range Organics (DRO/TEPH) by EPA 8015C**

|                  |     |      |       |   |         |            |            |
|------------------|-----|------|-------|---|---------|------------|------------|
| Diesel (C10-C28) | 107 | 50.0 | mg/kg | 1 | B7G0605 | 07/06/2017 | 07/06/2017 |
|------------------|-----|------|-------|---|---------|------------|------------|

|                        |        |        |  |  |   |   |   |
|------------------------|--------|--------|--|--|---|---|---|
| Surrogate: o-Terphenyl | 66.8 % | 59-131 |  |  | " | " | " |
|------------------------|--------|--------|--|--|---|---|---|

**GBTEX by EPA 8260C**

|                             |      |       |       |     |         |            |            |
|-----------------------------|------|-------|-------|-----|---------|------------|------------|
| Gasoline Range Hydrocarbons | 3400 | 50.0  | mg/kg | 250 | B7G0604 | 07/06/2017 | 07/06/2017 |
| Benzene                     | 34.7 | 0.498 | "     | "   | "       | "          | 07/06/2017 |
| Toluene                     | 57.5 | 0.498 | "     | "   | "       | "          | "          |
| Ethylbenzene                | 20.4 | 0.498 | "     | "   | "       | "          | "          |
| Xylenes, total              | 102  | 0.498 | "     | "   | "       | "          | "          |

|                                  |        |        |  |  |   |   |   |
|----------------------------------|--------|--------|--|--|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 98.9 % | 70-130 |  |  | " | " | " |
| Surrogate: Toluene-d8            | 94.3 % | 70-130 |  |  | " | " | " |
| Surrogate: 4-Bromofluorobenzene  | 95.6 % | 70-130 |  |  | " | " | " |

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Eldridge 4-23

**MW-08@2.5-5'**  
**6/30/2017 1:00:00PM**

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

**Origins Laboratory, Inc.**  
**Y707019-08 (Soil)**

**Diesel Range Organics (DRO/TEPH) by EPA 8015C**

|                                |        |        |       |   |         |            |            |   |
|--------------------------------|--------|--------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28)               | ND     | 50.0   | mg/kg | 1 | B7G0605 | 07/06/2017 | 07/06/2017 | U |
| Surrogate: <i>o</i> -Terphenyl | 75.1 % | 59-131 |       |   | "       | "          | "          |   |

**GBTEX by EPA 8260C**

|                                  |              |        |       |   |         |            |            |  |
|----------------------------------|--------------|--------|-------|---|---------|------------|------------|--|
| Gasoline Range Hydrocarbons      | <b>0.393</b> | 0.200  | mg/kg | 1 | B7G0604 | 07/06/2017 | 07/06/2017 |  |
| Benzene                          | <b>0.034</b> | 0.002  | "     | " | "       | "          | "          |  |
| Toluene                          | <b>0.004</b> | 0.002  | "     | " | "       | "          | "          |  |
| Ethylbenzene                     | <b>0.003</b> | 0.002  | "     | " | "       | "          | "          |  |
| Xylenes, total                   | <b>0.016</b> | 0.002  | "     | " | "       | "          | "          |  |
| Surrogate: 1,2-Dichloroethane-d4 | 107 %        | 70-130 |       |   | "       | "          | "          |  |
| Surrogate: Toluene-d8            | 92.5 %       | 70-130 |       |   | "       | "          | "          |  |
| Surrogate: 4-Bromofluorobenzene  | 93.8 %       | 70-130 |       |   | "       | "          | "          |  |

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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Eldridge 4-23

**SS-13@2.5'**  
**6/30/2017 1:55:00PM**

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

**AAL, Inc.**  
**Y707019-09 (Soil)**

**Metals (Saturated Paste Prep)**

|           |       |  |      |   |          |            |            |  |
|-----------|-------|--|------|---|----------|------------|------------|--|
| Calcium   | 20.22 |  | me/L | 1 | '[none]' | 07/05/2017 | 07/06/2017 |  |
| Magnesium | 46.49 |  | "    | " | "        | "          | "          |  |
| Sodium    | 11.77 |  | "    | " | "        | "          | "          |  |

**pH in Soil by EPA 9045D**

|    |      |  |          |   |         |            |            |  |
|----|------|--|----------|---|---------|------------|------------|--|
| pH | 7.45 |  | pH Units | 1 | B7G0606 | 07/06/2017 | 07/06/2017 |  |
|----|------|--|----------|---|---------|------------|------------|--|

**SAR by 20B Saturated Paste**

|     |      |  |  |   |          |            |            |  |
|-----|------|--|--|---|----------|------------|------------|--|
| SAR | 2.04 |  |  | 1 | '[none]' | 07/05/2017 | 07/06/2017 |  |
|-----|------|--|--|---|----------|------------|------------|--|

**Specific Conductance by Modified 9050A**

|                           |       |  |          |   |         |            |            |  |
|---------------------------|-------|--|----------|---|---------|------------|------------|--|
| Specific Conductance (EC) | 0.640 |  | mmhos/cm | 1 | B7G0607 | 07/06/2017 | 07/06/2017 |  |
|---------------------------|-------|--|----------|---|---------|------------|------------|--|

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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Eldridge 4-23

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

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

**Batch B7G0604 - EPA 5030 (soil)**

**Blank (B7G0604-BLK1)**

Prepared: 07/06/2017 Analyzed: 07/06/2017

|                                  |    |       |       |      |  |     |        |  |  |   |
|----------------------------------|----|-------|-------|------|--|-----|--------|--|--|---|
| Gasoline Range Hydrocarbons      | ND | 0.200 | mg/kg |      |  |     |        |  |  | U |
| Benzene                          | ND | 0.002 | "     |      |  |     |        |  |  | U |
| Toluene                          | ND | 0.002 | "     |      |  |     |        |  |  | U |
| Ethylbenzene                     | ND | 0.002 | "     |      |  |     |        |  |  | U |
| Xylenes, total                   | ND | 0.002 | "     |      |  |     |        |  |  | U |
| Surrogate: 1,2-Dichloroethane-d4 | 65 |       | ug/kg | 62.5 |  | 105 | 70-130 |  |  |   |
| Surrogate: Toluene-d8            | 63 |       | "     | 62.5 |  | 101 | 70-130 |  |  |   |
| Surrogate: 4-Bromofluorobenzene  | 67 |       | "     | 62.5 |  | 107 | 70-130 |  |  |   |

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Eldridge 4-23

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

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

**Batch B7G0604 - EPA 5030 (soil)**

**LCS (B7G0604-BS1)**

Prepared: 07/06/2017 Analyzed: 07/06/2017

|                                  |       |       |       |       |  |      |          |  |  |  |
|----------------------------------|-------|-------|-------|-------|--|------|----------|--|--|--|
| Benzene                          | 0.097 | 0.002 | mg/kg | 0.100 |  | 96.8 | 77.1-124 |  |  |  |
| Toluene                          | 0.098 | 0.002 | "     | 0.100 |  | 98.1 | 74.5-128 |  |  |  |
| Ethylbenzene                     | 0.097 | 0.002 | "     | 0.100 |  | 96.9 | 66.4-127 |  |  |  |
| m,p-Xylene                       | 0.193 | 0.004 | "     | 0.200 |  | 96.4 | 76.6-124 |  |  |  |
| o-Xylene                         | 0.098 | 0.002 | "     | 0.100 |  | 97.8 | 76.6-124 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 64    |       | ug/kg | 62.5  |  | 102  | 70-130   |  |  |  |
| Surrogate: Toluene-d8            | 64    |       | "     | 62.5  |  | 102  | 70-130   |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 62    |       | "     | 62.5  |  | 99.4 | 70-130   |  |  |  |

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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Eldridge 4-23

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

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

Batch B7G0604 - EPA 5030 (soil)

| Matrix Spike (B7G0604-MS1)       | Source: Y706399-01 |       |       | Prepared: 07/06/2017 Analyzed: 07/06/2017 |       |      |          |  |  |  |
|----------------------------------|--------------------|-------|-------|---|-------|------|----------|--|--|--|
| Benzene                          | 0.093              | 0.002 | mg/kg | 0.100                                     | ND    | 93.4 | 71.8-126 |  |  |  |
| Toluene                          | 0.092              | 0.002 | "     | 0.100                                     | 0.001 | 90.7 | 65.1-130 |  |  |  |
| Ethylbenzene                     | 0.093              | 0.002 | "     | 0.100                                     | ND    | 93.4 | 62.2-130 |  |  |  |
| m,p-Xylene                       | 0.187              | 0.004 | "     | 0.200                                     | ND    | 93.4 | 46.5-137 |  |  |  |
| o-Xylene                         | 0.100              | 0.002 | "     | 0.100                                     | ND    | 99.9 | 54.2-134 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 63                 |       | ug/kg | 62.5                                      |       | 100  | 70-130   |  |  |  |
| Surrogate: Toluene-d8            | 62                 |       | "     | 62.5                                      |       | 99.5 | 70-130   |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 67                 |       | "     | 62.5                                      |       | 107  | 70-130   |  |  |  |

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Martin C Eckert III  
 Project Number: [none]  
 Project: Eldridge 4-23

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

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

Batch B7G0604 - EPA 5030 (soil)

| Matrix Spike Dup (B7G0604-MSD1)  | Source: Y706399-01 |       |       | Prepared: 07/06/2017 Analyzed: 07/06/2017 |       |      |          |      |      |       |
|----------------------------------|--------------------|-------|-------|---|-------|------|----------|------|------|-------|
| Benzene                          | 0.106              | 0.002 | mg/kg | 0.100                                     | ND    | 106  | 71.8-126 | 12.9 | 11.3 | QR-02 |
| Toluene                          | 0.106              | 0.002 | "     | 0.100                                     | 0.001 | 104  | 65.1-130 | 13.8 | 15.4 |       |
| Ethylbenzene                     | 0.102              | 0.002 | "     | 0.100                                     | ND    | 102  | 62.2-130 | 8.57 | 19.6 |       |
| m,p-Xylene                       | 0.201              | 0.004 | "     | 0.200                                     | ND    | 100  | 46.5-137 | 7.20 | 19.2 |       |
| o-Xylene                         | 0.104              | 0.002 | "     | 0.100                                     | ND    | 104  | 54.2-134 | 3.98 | 17.9 |       |
| Surrogate: 1,2-Dichloroethane-d4 | 63                 |       | ug/kg | 62.5                                      |       | 101  | 70-130   |      |      |       |
| Surrogate: Toluene-d8            | 62                 |       | "     | 62.5                                      |       | 99.9 | 70-130   |      |      |       |
| Surrogate: 4-Bromofluorobenzene  | 61                 |       | "     | 62.5                                      |       | 97.4 | 70-130   |      |      |       |

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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Eldridge 4-23

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

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

**Extractable Petroleum Hydrocarbons by 8015C - Quality Control**  
**Origins Laboratory, Inc.**

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

**Batch B7G0605 - EPA 3550B**

**Blank (B7G0605-BLK1)**

Prepared: 07/06/2017 Analyzed: 07/06/2017

|                        |    |      |       |      |  |      |        |  |  |   |
|------------------------|----|------|-------|------|--|------|--------|--|--|---|
| Diesel (C10-C28)       | ND | 50.0 | mg/kg |      |  |      |        |  |  | U |
| Surrogate: o-Terphenyl | 48 |      | "     | 50.0 |  | 95.8 | 59-131 |  |  |   |

**LCS (B7G0605-BS1)**

Prepared: 07/06/2017 Analyzed: 07/06/2017

|                        |     |      |       |      |  |      |        |  |  |  |
|------------------------|-----|------|-------|------|--|------|--------|--|--|--|
| Diesel (C10-C28)       | 994 | 50.0 | mg/kg | 1000 |  | 99.4 | 64-121 |  |  |  |
| Surrogate: o-Terphenyl | 46  |      | "     | 50.0 |  | 92.3 | 59-131 |  |  |  |

**Matrix Spike (B7G0605-MS1)**

**Source: Y706399-01**

Prepared: 07/06/2017 Analyzed: 07/06/2017

|                        |     |      |       |      |    |      |        |  |  |  |
|------------------------|-----|------|-------|------|----|------|--------|--|--|--|
| Diesel (C10-C28)       | 990 | 50.0 | mg/kg | 1000 | ND | 99.0 | 53-125 |  |  |  |
| Surrogate: o-Terphenyl | 47  |      | "     | 50.0 |    | 94.1 | 59-131 |  |  |  |

**Matrix Spike Dup (B7G0605-MSD1)**

**Source: Y706399-01**

Prepared: 07/06/2017 Analyzed: 07/06/2017

|                        |     |      |       |      |    |      |        |        |    |  |
|------------------------|-----|------|-------|------|----|------|--------|--------|----|--|
| Diesel (C10-C28)       | 989 | 50.0 | mg/kg | 1000 | ND | 98.9 | 53-125 | 0.0327 | 20 |  |
| Surrogate: o-Terphenyl | 49  |      | "     | 50.0 |    | 97.0 | 59-131 |        |    |  |

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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Eldridge 4-23

**Classical Chemistry Parameters - Quality Control**  
**Origins Laboratory, Inc.**

| Analyte                         | Result  | Reporting Limit                           | Units    | Spike Level | Source Result                             | %REC | %REC Limits | RPD   | RPD Limit | Notes |
|---------------------------------|---------|---|----------|-------------|---|------|-------------|-------|-----------|-------|
| <b>Batch B7G0606 - NO PREP</b>  |         |   |          |             |   |      |             |       |           |       |
| <b>Duplicate (B7G0606-DUP1)</b> |         | <b>Source: Y707019-09</b>                 |          |             | Prepared: 07/06/2017 Analyzed: 07/06/2017 |      |             |       |           |       |
| pH                              | 7.42    |   | pH Units |             | 7.45                                      |      |             | 0.403 | 25        |       |
| <b>Batch B7G0607 - NO PREP</b>  |         |   |          |             |   |      |             |       |           |       |
| <b>Blank (B7G0607-BLK1)</b>     |         | Prepared: 07/06/2017 Analyzed: 07/06/2017 |          |             |   |      |             |       |           |       |
| Specific Conductance (EC)       | 0.00220 |   | mmhos/cm |             |   |      |             |       |           |       |
| <b>Duplicate (B7G0607-DUP1)</b> |         | <b>Source: Y707019-09</b>                 |          |             | Prepared: 07/06/2017 Analyzed: 07/06/2017 |      |             |       |           |       |
| Specific Conductance (EC)       | 0.655   |   | mmhos/cm |             | 0.640                                     |      |             | 2.24  | 25        |       |

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4101 Inca Street  
Denver CO 80211

Martin C Eckert III  
Project Number: [none]  
Project: Eldridge 4-23

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### 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.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

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Jen Pellegrini For Noelle Doyle Mathis, President