



January 23, 2024

Eagle Environmental Consulting, LLC

David Castro

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Ruby 7-J Pad 615

Project Number - [none]

Attached are your analytical results for Ruby 7-J Pad 615 received by Origins Laboratory, Inc. January 03, 2024. This project is associated with Origins project number Y401045-01.

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, LLC  
8000 W 44th Ave  
Wheat Ridge CO 80033

David Castro  
Project Number: [none]  
Project: Ruby 7-J Pad 615

CROSS REFERENCE REPORT

| Sample ID     | Laboratory ID | Matrix | Date Sampled          | Date Received    |
|---------------|---------------|--------|-----------------------|------------------|
| Banks 3670354 | Y401045-01    | Water  | January 3, 2024 14:20 | 01/03/2024 16:47 |

Origins Laboratory, Inc.



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

David Castro  
 Project Number: [none]  
 Project: Ruby 7-J Pad 615

Origins Laboratory

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

**Sample Receipt Checklist**

Origins Work Order: 4401045 Client: Eagle  
 Client Project ID: Ruby 7-J Pad 615  
 Checklist Completed by: JHV/ew Shipped Via: TD  
 Date/time completed: 1/3/24 (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
 Airbill #: N/A  
 Matrix(s) Received: (Check all that apply): Soil/Solid  Water  Other: \_\_\_\_\_  
 Cooler Number/Temperature: 152 °C \_\_\_\_\_ °C \_\_\_\_\_ °C (Describe) \_\_\_\_\_ °C  
 Thermometer ID: T004

| 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 type="checkbox"/>            | <input checked="" 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 type="checkbox"/>            | <input checked="" 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"/> | <u>NO2-INO3 (BARK)</u> |
| 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 type="checkbox"/>            | <input checked="" 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 subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO3, HCL, H2SO4) / (pH >10 for samples preserved with NaAsO2+NaOH, ZnAc+NaOH) | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <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 in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) [Signature] Date/Time Reviewed 1/4/24

Origins Laboratory, Inc.

[Signature]

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 8000 W 44th Ave  
 Wheat Ridge CO 80033

David Castro  
 Project Number: [none]  
 Project: Ruby 7-J Pad 615

**Banks 3670354**

**1/3/2024 2:20:00PM**

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

**Y401045-01 (Water)**  
**Origins Laboratory, Inc.**

**Anions by IC 300.0**

|          |       |       |      |    |         |     |            |            |  |
|----------|-------|-------|------|----|---------|-----|------------|------------|--|
| Chloride | 31.4  | 1.25  | mg/L | 5  | B4A0405 | STW | 01/04/2024 | 01/05/2024 |  |
| Fluoride | 0.405 | 0.100 | "    | 1  | "       | STW | "          | 01/05/2024 |  |
| Bromide  | ND    | 0.500 | "    | 5  | "       | STW | "          | 01/05/2024 |  |
| Sulfate  | 223   | 2.50  | "    | 10 | "       | STW | "          | 01/09/2024 |  |

**BTEX by EPA 8260D**

|                |    |      |      |   |         |     |            |            |    |
|----------------|----|------|------|---|---------|-----|------------|------------|----|
| Benzene        | ND | 1.00 | ug/L | 1 | B4A0323 | JSM | 01/03/2024 | 01/04/2024 | Ua |
| Toluene        | ND | 1.00 | "    | " | "       | JSM | "          | "          | Ua |
| Ethylbenzene   | ND | 1.00 | "    | " | "       | JSM | "          | "          | Ua |
| Xylenes, total | ND | 1.00 | "    | " | "       | JSM | "          | "          | Ua |

|                                  |        |        |  |  |   |   |   |   |  |
|----------------------------------|--------|--------|--|--|---|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 87.3 % | 70-130 |  |  | " | " | " | " |  |
| Surrogate: Toluene-d8            | 100 %  | 70-130 |  |  | " | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 102 %  | 70-130 |  |  | " | " | " | " |  |

**Dissolved Metals by EPA 200.8**

|           |       |       |      |   |         |     |            |            |  |
|-----------|-------|-------|------|---|---------|-----|------------|------------|--|
| Barium    | 36.9  | 1.00  | ug/L | 1 | B4A2221 | ZZZ | 01/22/2024 | 01/22/2024 |  |
| Iron      | 65.3  | 10.0  | "    | " | "       | ZZZ | "          | "          |  |
| Magnesium | 36500 | 10.0  | "    | " | "       | ZZZ | "          | "          |  |
| Manganese | 1.99  | 1.00  | "    | " | "       | ZZZ | "          | "          |  |
| Potassium | 6390  | 100   | "    | " | "       | ZZZ | "          | "          |  |
| Selenium  | 3.01  | 0.100 | "    | " | "       | ZZZ | "          | "          |  |

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**Banks 3670354**

**1/3/2024 2:20:00PM**

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

**Y401045-01 (Water)**  
**Origins Laboratory, Inc.**

**Dissolved Metals by EPA 200.8**

|           |      |      |      |   |         |     |            |            |  |
|-----------|------|------|------|---|---------|-----|------------|------------|--|
| Strontium | 1090 | 10.0 | ug/L | 1 | B4A2221 | ZZZ | 01/22/2024 | 01/22/2024 |  |
|-----------|------|------|------|---|---------|-----|------------|------------|--|

**pH in Water by EPA 9040C**

|    |      |  |          |   |         |     |            |            |  |
|----|------|--|----------|---|---------|-----|------------|------------|--|
| pH | 7.85 |  | pH Units | 1 | B4A0404 | EAL | 01/04/2024 | 01/04/2024 |  |
|----|------|--|----------|---|---------|-----|------------|------------|--|

**Specific Conductance Mod. 9050A**

|                           |      |      |       |   |   |     |   |   |  |
|---------------------------|------|------|-------|---|---|-----|---|---|--|
| Specific Conductance (EC) | 1070 | 5.00 | uS/cm | " | " | EAL | " | " |  |
|---------------------------|------|------|-------|---|---|-----|---|---|--|

**Total Dissolved Solids by 2540C**

|                        |     |      |      |   |         |     |            |            |  |
|------------------------|-----|------|------|---|---------|-----|------------|------------|--|
| Total Dissolved Solids | 684 | 5.00 | mg/L | " | B4A0330 | KRM | 01/03/2024 | 01/05/2024 |  |
|------------------------|-----|------|------|---|---------|-----|------------|------------|--|

**Pace Analytical**

**Dissolved Gasses by RSK 175**

|           |    |      |      |   |       |  |            |            |  |
|-----------|----|------|------|---|-------|--|------------|------------|--|
| Ethane    | ND | 10.0 | ug/L | 1 | 11111 |  | 01/03/2024 | 01/08/2024 |  |
| Methane   | ND | 10.0 | "    | " | "     |  | "          | "          |  |
| n-Propane | ND | 10.0 | "    | " | "     |  | "          | "          |  |

**GEL Laboratories, LLC**

Origins Laboratory, Inc.



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**Banks 3670354**

**1/3/2024 2:20:00PM**

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

**Y401045-01 (Water)**  
**GEL Laboratories, LLC**

**Alkalinity by SM 2320B**

|                                |     |      |      |   |         |     |            |            |   |
|--------------------------------|-----|------|------|---|---------|-----|------------|------------|---|
| Alkalinity, Total as CaCO3     | 256 | 2.00 | mg/L | 1 | 2549833 | JW2 | 01/03/2024 | 01/08/2024 |   |
| Bicarbonate alkalinity (CaCO3) | 256 | 2.00 | "    | " | "       | JW2 | "          | "          |   |
| Carbonate alkalinity (CaCO3)   | ND  | 2.00 | "    | " | "       | JW2 | "          | "          | U |

**Anions by EPA 300.0**

|         |      |       |      |   |         |      |   |            |   |
|---------|------|-------|------|---|---------|------|---|------------|---|
| Nitrate | 8.44 | 0.500 | mg/L | 5 | 2548947 | LXA2 | " | 01/05/2024 | H |
| Nitrite | ND   | 0.100 | "    | 1 | "       | LXA2 | " | "          | U |

**Dissolved Metals by 200.8**

|         |        |      |      |    |         |     |            |            |  |
|---------|--------|------|------|----|---------|-----|------------|------------|--|
| Boron   | 142    | 15.0 | ug/L | 1  | 2555152 | PRB | 01/19/2024 | 01/22/2024 |  |
| Calcium | 121000 | 2000 | "    | 10 | "       | PRB | "          | 01/23/2024 |  |
| Sodium  | 56300  | 2500 | "    | "  | "       | PRB | "          | "          |  |

**DRO by 8015D**

|                       |    |       |      |   |         |      |            |            |   |
|-----------------------|----|-------|------|---|---------|------|------------|------------|---|
| Diesel Range Organics | ND | 0.200 | mg/L | 1 | 2549947 | RXC1 | 01/09/2024 | 01/09/2024 | U |
|-----------------------|----|-------|------|---|---------|------|------------|------------|---|

Surrogate: o-Terphenyl 97 % 35-112 " " "

**GRO by 8015D**

|                         |    |       |      |   |         |     |            |            |   |
|-------------------------|----|-------|------|---|---------|-----|------------|------------|---|
| Gasoline Range Organics | ND | 0.100 | mg/L | 1 | 2550398 | JEB | 01/03/2024 | 01/09/2024 | U |
|-------------------------|----|-------|------|---|---------|-----|------------|------------|---|

Surrogate: Bromofluorobenzene 87 % 73-125 " " "

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 Project Number: [none]  
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**Banks 3670354**

**1/3/2024 2:20:00PM**

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

**Y401045-01 (Water)**

**GEL Laboratories, LLC**

**Nitrate/Nitrite by EPA 353.2**

|                           |      |       |      |    |         |      |   |            |  |
|---------------------------|------|-------|------|----|---------|------|---|------------|--|
| Nitrogen, Nitrate/Nitrite | 9.48 | 0.500 | mg/L | 25 | 2549758 | AXH3 | " | 01/08/2024 |  |
|---------------------------|------|-------|------|----|---------|------|---|------------|--|

**Total Phosphorus by EPA 365.4**

|                        |    |      |      |   |         |      |            |            |   |
|------------------------|----|------|------|---|---------|------|------------|------------|---|
| Phosphorus, Total as P | ND | 50.0 | ug/L | 1 | 2549590 | KLP1 | 01/08/2024 | 01/08/2024 | U |
|------------------------|----|------|------|---|---------|------|------------|------------|---|

**Origins Laboratory**

**Bacterial Activity Reaction Tests**

|                           |       |  |        |   |       |     |            |            |  |
|---------------------------|-------|--|--------|---|-------|-----|------------|------------|--|
| Iron Related Bacteria     | ~9000 |  | CFU/mL | 1 | 11111 | EHS | 01/03/2023 | 01/13/2024 |  |
| Slime Forming Bacteria    | <20   |  | "      | " | "     | EHS | "          | "          |  |
| Sulfate Reducing Bacteria | <5    |  | "      | " | "     | EHS | "          | "          |  |

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

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

**Batch B4A0323 - EPA 5030B (Water)**

**Blank (B4A0323-BLK1)**

Prepared: 01/03/2024 Analyzed: 01/03/2024

|                                  |    |      |      |      |  |      |        |  |  |    |
|----------------------------------|----|------|------|------|--|------|--------|--|--|----|
| Benzene                          | ND | 1.00 | ug/L |      |  |      |        |  |  | Ua |
| Toluene                          | ND | 1.00 | "    |      |  |      |        |  |  | Ua |
| Ethylbenzene                     | ND | 1.00 | "    |      |  |      |        |  |  | Ua |
| Xylenes, total                   | ND | 1.00 | "    |      |  |      |        |  |  | Ua |
| Surrogate: 1,2-Dichloroethane-d4 | 55 |      | "    | 62.5 |  | 87.3 | 70-130 |  |  |    |
| Surrogate: Toluene-d8            | 64 |      | "    | 62.5 |  | 102  | 70-130 |  |  |    |
| Surrogate: 4-Bromofluorobenzene  | 62 |      | "    | 62.5 |  | 99.3 | 70-130 |  |  |    |

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 Project Number: [none]  
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**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory, Inc.**

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

Batch B4A0323 - EPA 5030B (Water)

**LCS (B4A0323-BS1)**

Prepared: 01/03/2024 Analyzed: 01/03/2024

|                                  |      |      |      |      |  |      |        |  |  |  |
|----------------------------------|------|------|------|------|--|------|--------|--|--|--|
| Benzene                          | 44.1 | 1.00 | ug/L | 50.0 |  | 88.3 | 70-130 |  |  |  |
| Toluene                          | 46.9 | 1.00 | "    | 50.0 |  | 93.7 | 70-130 |  |  |  |
| Ethylbenzene                     | 45.6 | 1.00 | "    | 50.0 |  | 91.1 | 70-130 |  |  |  |
| m,p-Xylene                       | 88.3 | 2.00 | "    | 100  |  | 88.3 | 70-130 |  |  |  |
| o-Xylene                         | 40.6 | 1.00 | "    | 50.0 |  | 81.3 | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 58   |      | "    | 62.5 |  | 92.9 | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 62   |      | "    | 62.5 |  | 99.4 | 70-130 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 64   |      | "    | 62.5 |  | 102  | 70-130 |  |  |  |

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

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

Batch B4A0323 - EPA 5030B (Water)

| Matrix Spike (B4A0323-MS1)       | Source: Y401041-14 |      |      | Prepared: 01/03/2024 Analyzed: 01/03/2024 |       |      |        |  |  |  |
|----------------------------------|--------------------|------|------|---|-------|------|--------|--|--|--|
| Benzene                          | 51.3               | 1.00 | ug/L | 50.0                                      | ND    | 103  | 70-130 |  |  |  |
| Toluene                          | 53.7               | 1.00 | "    | 50.0                                      | 0.580 | 106  | 70-130 |  |  |  |
| Ethylbenzene                     | 52.8               | 1.00 | "    | 50.0                                      | ND    | 106  | 70-130 |  |  |  |
| m,p-Xylene                       | 106                | 2.00 | "    | 100                                       | 1.34  | 104  | 70-130 |  |  |  |
| o-Xylene                         | 51.4               | 1.00 | "    | 50.0                                      | ND    | 103  | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 51                 |      | "    | 62.5                                      |       | 82.0 | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 64                 |      | "    | 62.5                                      |       | 102  | 70-130 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 62                 |      | "    | 62.5                                      |       | 99.9 | 70-130 |  |  |  |

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

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

**Batch B4A0323 - EPA 5030B (Water)**

| <b>Matrix Spike Dup (B4A0323-MSD1)</b> | <b>Source: Y401041-14</b> |      |      | <b>Prepared: 01/03/2024 Analyzed: 01/03/2024</b> |       |      |        |      |    |  |
|--|---------------------------|------|------|--|-------|------|--------|------|----|--|
| Benzene                                | 47.2                      | 1.00 | ug/L | 50.0   | ND    | 94.5 | 70-130 | 8.16 | 20 |  |
| Toluene                                | 49.7                      | 1.00 | "    | 50.0   | 0.580 | 98.1 | 70-130 | 7.82 | 20 |  |
| Ethylbenzene                           | 48.7                      | 1.00 | "    | 50.0   | ND    | 97.5 | 70-130 | 8.02 | 20 |  |
| m,p-Xylene                             | 97.2                      | 2.00 | "    | 100  | 1.34  | 95.8 | 70-130 | 8.44 | 20 |  |
| o-Xylene                               | 46.4                      | 1.00 | "    | 50.0   | ND    | 92.9 | 70-130 | 10.2 | 20 |  |
| Surrogate: 1,2-Dichloroethane-d4       | 51                        |      | "    | 62.5   |       | 81.4 | 70-130 |      |    |  |
| Surrogate: Toluene-d8                  | 63                        |      | "    | 62.5   |       | 100  | 70-130 |      |    |  |
| Surrogate: 4-Bromofluorobenzene        | 63                        |      | "    | 62.5   |       | 101  | 70-130 |      |    |  |

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

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

**Metals by EPA 200 Series Methods - Quality Control**  
**Origins Laboratory, Inc.**

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

**Batch B4A2221 - EPA 200.8 Preparation**

**Blank (B4A2221-BLK1)**

Prepared: 01/22/2024 Analyzed: 01/22/2024

|           |    |       |      |  |  |  |  |  |  |
|-----------|----|-------|------|--|--|--|--|--|--|
| Barium    | ND | 1.00  | ug/L |  |  |  |  |  |  |
| Iron      | ND | 10.0  | "    |  |  |  |  |  |  |
| Magnesium | ND | 10.0  | "    |  |  |  |  |  |  |
| Manganese | ND | 1.00  | "    |  |  |  |  |  |  |
| Potassium | ND | 100   | "    |  |  |  |  |  |  |
| Selenium  | ND | 0.100 | "    |  |  |  |  |  |  |
| Strontium | ND | 10.0  | "    |  |  |  |  |  |  |

**LCS (B4A2221-BS1)**

Prepared: 01/22/2024 Analyzed: 01/22/2024

|           |      |       |      |      |      |        |
|-----------|------|-------|------|------|------|--------|
| Barium    | 5430 | 1.00  | ug/L | 5560 | 97.8 | 85-115 |
| Iron      | 5660 | 10.0  | "    | 5560 | 102  | 85-115 |
| Magnesium | 5460 | 10.0  | "    | 5560 | 98.2 | 85-115 |
| Manganese | 55.7 | 1.00  | "    | 55.6 | 100  | 85-115 |
| Potassium | 5370 | 100   | "    | 5560 | 96.6 | 85-115 |
| Selenium  | 56.0 | 0.100 | "    | 55.6 | 101  | 85-115 |
| Strontium | 569  | 10.0  | "    | 556  | 102  | 85-115 |

**Matrix Spike (B4A2221-MS1)**

**Source: Y401045-01**

Prepared: 01/22/2024 Analyzed: 01/22/2024

|           |       |      |      |      |       |      |        |
|-----------|-------|------|------|------|-------|------|--------|
| Barium    | 5700  | 1.00 | ug/L | 5560 | 36.9  | 102  | 70-130 |
| Iron      | 5670  | 10.0 | "    | 5560 | 65.3  | 101  | 70-130 |
| Magnesium | 41800 | 10.0 | "    | 5560 | 36500 | 96.3 | 70-130 |
| Manganese | 58.6  | 1.00 | "    | 55.6 | 1.99  | 102  | 70-130 |

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Eagle Environmental Consulting, LLC  
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David Castro  
 Project Number: [none]  
 Project: Ruby 7-J Pad 615

**Metals by EPA 200 Series Methods - Quality Control**  
**Origins Laboratory, Inc.**

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

**Batch B4A2221 - EPA 200.8 Preparation**

| <b>Matrix Spike (B4A2221-MS1)</b>      |       | <b>Source: Y401045-01</b> |      |      | <b>Prepared: 01/22/2024 Analyzed: 01/22/2024</b> |      |        |       |    |  |
|--|-------|---------------------------|------|------|--|------|--------|-------|----|--|
| Potassium                              | 12100 | 100                       | ug/L | 5560 | 6390   | 104  | 70-130 |       |    |  |
| Selenium                               | 61.8  | 0.100                     | "    | 55.6 | 3.01   | 106  | 70-130 |       |    |  |
| Strontium                              | 1660  | 10.0                      | "    | 556  | 1090   | 103  | 70-130 |       |    |  |
| <b>Matrix Spike Dup (B4A2221-MSD1)</b> |       | <b>Source: Y401045-01</b> |      |      | <b>Prepared: 01/22/2024 Analyzed: 01/22/2024</b> |      |        |       |    |  |
| Barium                                 | 5820  | 1.00                      | ug/L | 5560 | 36.9   | 104  | 70-130 | 1.95  | 25 |  |
| Iron                                   | 5610  | 10.0                      | "    | 5560 | 65.3   | 99.8 | 70-130 | 1.06  | 25 |  |
| Magnesium                              | 41700 | 10.0                      | "    | 5560 | 36500  | 95.2 | 70-130 | 0.146 | 25 |  |
| Manganese                              | 58.2  | 1.00                      | "    | 55.6 | 1.99   | 101  | 70-130 | 0.580 | 25 |  |
| Potassium                              | 11800 | 100                       | "    | 5560 | 6390   | 96.9 | 70-130 | 3.08  | 25 |  |
| Selenium                               | 61.4  | 0.100                     | "    | 55.6 | 3.01   | 105  | 70-130 | 0.653 | 25 |  |
| Strontium                              | 1660  | 10.0                      | "    | 556  | 1090   | 104  | 70-130 | 0.434 | 25 |  |

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 Project Number: [none]  
 Project: Ruby 7-J Pad 615

**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 B4A0330 - NO PREP</b>                    |        |                           |          |             |   |      |             |        |           |       |
| <b>Blank (B4A0330-BLK1)</b>                       |        |                           |          |             | Prepared: 01/03/2024 Analyzed: 01/05/2024 |      |             |        |           |       |
| Total Dissolved Solids                            | ND     | 5.00                      | mg/L     |             |   |      |             |        |           |       |
| <b>LCS (B4A0330-BS1)</b>                          |        |                           |          |             | Prepared: 01/03/2024 Analyzed: 01/05/2024 |      |             |        |           |       |
| Total Dissolved Solids                            | 1030   | 5.00                      | mg/L     | 1030        |   | 99.8 | 90-110      |        |           |       |
| <b>Duplicate (B4A0330-DUP1)</b>                   |        | <b>Source: Y401042-01</b> |          |             | Prepared: 01/03/2024 Analyzed: 01/05/2024 |      |             |        |           |       |
| Total Dissolved Solids                            | 3380   | 5.00                      | mg/L     |             | 3380                                      |      |             | 0.0592 | 10        |       |
| <b>Batch B4A0404 - Default Prep GenChem</b>       |        |                           |          |             |   |      |             |        |           |       |
| <b>Blank (B4A0404-BLK1)</b>                       |        |                           |          |             | Prepared: 01/04/2024 Analyzed: 01/04/2024 |      |             |        |           |       |
| Specific Conductance (EC)                         | ND     | 5.00                      | uS/cm    |             |   |      |             |        |           |       |
| <b>Duplicate (B4A0404-DUP1)</b>                   |        | <b>Source: Y401045-01</b> |          |             | Prepared: 01/04/2024 Analyzed: 01/04/2024 |      |             |        |           |       |
| Specific Conductance (EC)                         | 1080   | 5.00                      | uS/cm    |             | 1070                                      |      |             | 0.456  | 10        |       |
| pH  | 7.74   |                           | pH Units |             | 7.85                                      |      |             | 1.41   | 2.51      |       |
| <b>Batch B4A0405 - Filter .45um non acidified</b> |        |                           |          |             |   |      |             |        |           |       |
| <b>Blank (B4A0405-BLK1)</b>                       |        |                           |          |             | Prepared: 01/04/2024 Analyzed: 01/05/2024 |      |             |        |           |       |
| Chloride  | ND     | 0.250                     | mg/L     |             |   |      |             |        |           |       |
| Fluoride  | ND     | 0.100                     | "        |             |   |      |             |        |           |       |
| Bromide   | ND     | 0.100                     | "        |             |   |      |             |        |           |       |
| Sulfate   | ND     | 0.250                     | "        |             |   |      |             |        |           |       |
| Nitrate   | ND     | 0.100                     | "        |             |   |      |             |        |           |       |
| Nitrite   | ND     | 0.100                     | "        |             |   |      |             |        |           |       |

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 Project: Ruby 7-J Pad 615

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

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

**Batch B4A0405 - Filter .45um non acidified**

**LCS (B4A0405-BS1)**

Prepared: 01/04/2024 Analyzed: 01/05/2024

|          |      |       |      |      |  |      |        |  |  |  |
|----------|------|-------|------|------|--|------|--------|--|--|--|
| Chloride | 3.90 | 0.250 | mg/L | 4.00 |  | 97.6 | 90-110 |  |  |  |
| Fluoride | 3.78 | 0.100 | "    | 4.00 |  | 94.4 | 90-110 |  |  |  |
| Bromide  | 3.89 | 0.100 | "    | 4.00 |  | 97.4 | 90-110 |  |  |  |
| Sulfate  | 3.92 | 0.250 | "    | 4.00 |  | 98.0 | 90-110 |  |  |  |
| Nitrate  | 3.88 | 0.100 | "    | 4.00 |  | 97.0 | 90-110 |  |  |  |
| Nitrite  | 3.92 | 0.100 | "    | 4.00 |  | 97.9 | 90-110 |  |  |  |

**Matrix Spike (B4A0405-MS1)**

**Source: Y401045-01**

Prepared: 01/04/2024 Analyzed: 01/05/2024

|          |     |  |      |     |       |      |        |  |  |  |
|----------|-----|--|------|-----|-------|------|--------|--|--|--|
| Chloride | 530 |  | mg/L | 500 | 31.4  | 99.7 | 90-110 |  |  |  |
| Fluoride | 485 |  | "    | 500 | 0.405 | 97.0 | 90-110 |  |  |  |
| Bromide  | 500 |  | "    | 500 | 0.192 | 100  | 90-110 |  |  |  |
| Sulfate  | 731 |  | "    | 500 | 223   | 102  | 90-110 |  |  |  |
| Nitrate  | 537 |  | "    | 500 | 37.3  | 99.9 | 90-110 |  |  |  |
| Nitrite  | 502 |  | "    | 500 | 0.00  | 100  | 90-110 |  |  |  |

**Matrix Spike Dup (B4A0405-MSD1)**

**Source: Y401045-01**

Prepared: 01/04/2024 Analyzed: 01/05/2024

|          |     |  |      |     |       |      |        |       |   |  |
|----------|-----|--|------|-----|-------|------|--------|-------|---|--|
| Chloride | 536 |  | mg/L | 500 | 31.4  | 101  | 90-110 | 1.20  | 5 |  |
| Fluoride | 490 |  | "    | 500 | 0.405 | 98.0 | 90-110 | 1.07  | 5 |  |
| Bromide  | 503 |  | "    | 500 | 0.192 | 101  | 90-110 | 0.501 | 5 |  |
| Sulfate  | 737 |  | "    | 500 | 223   | 103  | 90-110 | 0.801 | 5 |  |
| Nitrate  | 542 |  | "    | 500 | 37.3  | 101  | 90-110 | 0.994 | 5 |  |
| Nitrite  | 507 |  | "    | 500 | 0.00  | 101  | 90-110 | 1.03  | 5 |  |

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David Castro  
 Project Number: [none]  
 Project: Ruby 7-J Pad 615

**Dissolved Metals by 200.8 - Quality Control**  
**GEL Laboratories, LLC**

| Analyte                       | Result | Reporting Limit | Units | Spike Level | Source Result                             | %REC | %REC Limits                               | RPD  | RPD Limit | Notes |
|-------------------------------|--------|-----------------|-------|-------------|---|------|---|------|-----------|-------|
| <b>Batch 2555152 -</b>        |        |                 |       |             |   |      |   |      |           |       |
| <b>FLTB (1205626226-BLK)</b>  |        |                 |       |             | Prepared: 01/19/2024 Analyzed: 01/22/2024 |      |   |      |           |       |
| Boron                         | ND     | 15.0            | ug/L  |             |   |      | -   |      |           | U     |
| Sodium                        | 98.1   | 250             | "     |             |   |      | -   |      |           | J     |
| Calcium                       | 216    | 200             | "     |             |   |      | -   |      |           |       |
| <b>BLANK (1205626290-BLK)</b> |        |                 |       |             | Prepared: 01/19/2024 Analyzed: 01/23/2024 |      |   |      |           |       |
| Sodium                        | ND     | 250             | ug/L  |             |   |      | -   |      |           | U     |
| Calcium                       | 89.8   | 200             | "     |             |   |      | -   |      |           | J     |
| Boron                         | ND     | 15.0            | "     |             |   |      | -   |      |           | U     |
| <b>LCS (1205626291-BKS)</b>   |        |                 |       |             | Prepared: 01/19/2024 Analyzed: 01/22/2024 |      |   |      |           |       |
| Boron                         | 106    | 15.0            | ug/L  | 100         |   | 106  | 85-115                                    |      |           |       |
| Calcium                       | 2190   | 200             | "     | 2000        |   | 109  | 85-115                                    |      |           |       |
| Sodium                        | 2210   | 250             | "     | 2000        |   | 110  | 85-115                                    |      |           |       |
| <b>MS (1205626292 S)</b>      |        |                 |       |             | <b>Source: Y401045-01</b>                 |      | Prepared: 01/19/2024 Analyzed: 01/23/2024 |      |           |       |
| Sodium                        | 58800  | 2500            | ug/L  | 2000        | 56300                                     | 0    | 75-125                                    |      |           |       |
| Boron                         | 243    | 15.0            | "     | 100         | 142                                       | 101  | 75-125                                    |      |           |       |
| Calcium                       | 123000 | 2000            | "     | 2000        | 121000                                    | 0    | 75-125                                    |      |           |       |
| <b>MSD (1205626293 SD)</b>    |        |                 |       |             | <b>Source: Y401045-01</b>                 |      | Prepared: 01/19/2024 Analyzed: 01/23/2024 |      |           |       |
| Sodium                        | 56800  | 2500            | ug/L  | 2000        | 56300                                     | 0    | 75-125                                    | 3.47 | 20        |       |
| Boron                         | 246    | 15.0            | "     | 100         | 142                                       | 104  | 75-125                                    | 1.31 | 20        |       |
| Calcium                       | 119000 | 2000            | "     | 2000        | 121000                                    | 0    | 75-125                                    | 3.66 | 20        |       |

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 Project Number: [none]  
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**Alkalinity by SM 2320B - Quality Control**  
**GEL Laboratories, LLC**

| Analyte                        | Result | Reporting Limit          | Units | Spike Level | Source Result                  | %REC | %REC Limits | RPD   | RPD Limit | Notes |
|--------------------------------|--------|--------------------------|-------|-------------|--------------------------------|------|-------------|-------|-----------|-------|
| <b>Batch 2549833 -</b>         |        |                          |       |             |                                |      |             |       |           |       |
| <b>LCS (1205617828-BKS)</b>    |        |                          |       |             | Prepared: Analyzed: 01/08/2024 |      |             |       |           |       |
| Alkalinity, Total as CaCO3     | 50.5   | 2.00                     | mg/L  | 50.0        |                                | 101  | 90-110      |       |           |       |
| <b>DUP (1205617829 D)</b>      |        | <b>Source: 650418003</b> |       |             | Prepared: Analyzed: 01/08/2024 |      |             |       |           |       |
| Alkalinity, Total as CaCO3     | 198    | 2.00                     | mg/L  |             | 199                            |      | 0-20        | 0.504 | 20        |       |
| Bicarbonate alkalinity (CaCO3) | 198    | 2.00                     | "     |             | 199                            |      | 0-20        | 0.504 | 20        |       |
| Carbonate alkalinity (CaCO3)   | ND     | 2.00                     | "     |             | <0.725                         |      | 0-20        | N/A   | 20        | U     |
| <b>MS (1205617830 S)</b>       |        | <b>Source: 650418003</b> |       |             | Prepared: Analyzed: 01/08/2024 |      |             |       |           |       |
| Alkalinity, Total as CaCO3     | 248    | 2.00                     | mg/L  | 50.0        | 199                            | 97   | 80-120      |       |           |       |

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**Anions by EPA 300.0 - Quality Control  
 GEL Laboratories, LLC**

| Analyte                       | Result | Reporting Limit          | Units | Spike Level | Source Result                  | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-------------------------------|--------|--------------------------|-------|-------------|--------------------------------|------|-------------|-----|-----------|-------|
| <b>Batch 2548947 -</b>        |        |                          |       |             |                                |      |             |     |           |       |
| <b>BLANK (1205616651-BLK)</b> |        |                          |       |             | Prepared: Analyzed: 01/05/2024 |      |             |     |           |       |
| Nitrite                       | ND     | 0.100                    | mg/L  |             |                                |      | -           |     |           | U     |
| Nitrate                       | ND     | 0.100                    | "     |             |                                |      | -           |     |           | U     |
| <b>LCS (1205616652-BKS)</b>   |        |                          |       |             | Prepared: Analyzed: 01/05/2024 |      |             |     |           |       |
| Nitrate                       | 2.49   | 0.100                    | mg/L  | 2.50        |                                | 99.5 | 90-110      |     |           |       |
| Nitrite                       | 2.51   | 0.100                    | "     | 2.50        |                                | 101  | 90-110      |     |           |       |
| <b>DUP (1205616655 D)</b>     |        | <b>Source: 650583017</b> |       |             | Prepared: Analyzed: 01/05/2024 |      |             |     |           |       |
| Nitrite                       | ND     | 0.100                    | mg/L  |             | <0.0330                        |      | 0-20        | N/A | 20        | U     |
| Nitrate                       | ND     | 0.100                    | "     |             | <0.0330                        |      | 0-20        | N/A | 20        | U     |
| <b>PS (1205616656 S)</b>      |        | <b>Source: 650583017</b> |       |             | Prepared: Analyzed: 01/05/2024 |      |             |     |           |       |
| Nitrate                       | 0.620  | 0.100                    | mg/L  | 2.50        |                                | 24.8 | 90-110      |     |           |       |
| Nitrite                       | 2.50   | 0.100                    | "     | 2.50        |                                | 100  | 90-110      |     |           |       |

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 Project Number: [none]  
 Project: Ruby 7-J Pad 615

**DRO by 8015D - Quality Control**  
**GEL Laboratories, LLC**

| Analyte                            | Result | Reporting Limit | Units | Spike Level | Source Result   | %REC | %REC Limits | RPD | RPD Limit | Notes |
|------------------------------------|--------|-----------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| <b>Batch 2549947 - SW846 3535A</b> |        |                 |       |             |   |      |             |     |           |       |
| <b>BLANK (1205618062-BLK)</b>      |        |                 |       |             | Prepared: 01/09/2024 Analyzed: 01/09/2024                   |      |             |     |           |       |
| Diesel Range Organics              | ND     | 0.200           | mg/L  |             |   |      | -           |     |           | U     |
| Surrogate: o-Terphenyl             | 0.0191 |                 | "     | 0.0200      |   | 96   | 35-112      |     |           |       |
| <b>LCS (1205618063-BKS)</b>        |        |                 |       |             | Prepared: 01/09/2024 Analyzed: 01/09/2024                   |      |             |     |           |       |
| Diesel Range Organics              | 0.902  | 0.200           | mg/L  | 1.00        |   | 90   | 36-109      |     |           |       |
| Surrogate: o-Terphenyl             | 0.0183 |                 | "     | 0.0200      |   | 91   | 35-112      |     |           |       |
| <b>MS (1205618064 S)</b>           |        |                 |       |             | Source: 650950008 Prepared: 01/09/2024 Analyzed: 01/10/2024 |      |             |     |           |       |
| Diesel Range Organics              | 0.982  | 0.200           | mg/L  | 1.00        | 0.125   | 86   | 35-102      |     |           |       |
| Surrogate: o-Terphenyl             | 0.0191 |                 | "     | 0.0200      | 0.0187  | 95   | 35-112      |     |           |       |
| <b>MSD (1205618065 SD)</b>         |        |                 |       |             | Source: 650950008 Prepared: 01/09/2024 Analyzed: 01/10/2024 |      |             |     |           |       |
| Diesel Range Organics              | 1.61   | 0.200           | mg/L  | 1.00        | 0.125   | 148  | 35-102      | 48  | 20        |       |
| Surrogate: o-Terphenyl             | 0.0194 |                 | "     | 0.0200      | 0.0187  | 97   | 35-112      |     |           |       |

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 Project: Ruby 7-J Pad 615

**GRO by 8015D - Quality Control**  
**GEL Laboratories, LLC**

| Analyte                       | Result | Reporting Limit | Units | Spike Level | Source Result                                     | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-------------------------------|--------|-----------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| <b>Batch 2550398 -</b>        |        |                 |       |             |   |      |             |     |           |       |
| <b>LCS (1205618731-BKS)</b>   |        |                 |       |             | Prepared: Analyzed: 01/09/2024                    |      |             |     |           |       |
| Gasoline Range Organics       | 0.573  | 0.100           | mg/L  | 0.500       |   | 115  | 84-116      |     |           |       |
| Surrogate: Bromofluorobenzene | 0.0502 |                 | "     | 0.0500      |   | 100  | 73-125      |     |           |       |
| <b>BLANK (1205618732-BLK)</b> |        |                 |       |             | Prepared: Analyzed: 01/09/2024                    |      |             |     |           |       |
| Gasoline Range Organics       | ND     | 0.100           | mg/L  |             |   |      | -           |     |           | U     |
| Surrogate: Bromofluorobenzene | 0.0520 |                 | "     | 0.0500      |   | 104  | 73-125      |     |           |       |
| <b>PS (1205618733 S)</b>      |        |                 |       |             | Source: Y401045-01 Prepared: Analyzed: 01/09/2024 |      |             |     |           |       |
| Gasoline Range Organics       | 0.508  | 0.100           | mg/L  | 0.500       |   | 102  | 66-128      |     |           |       |
| Surrogate: Bromofluorobenzene | 0.0481 |                 | "     | 0.0500      |   | 96   | 73-125      |     |           |       |
| <b>PSD (1205618734 SD)</b>    |        |                 |       |             | Source: Y401045-01 Prepared: Analyzed: 01/09/2024 |      |             |     |           |       |
| Gasoline Range Organics       | 0.544  | 0.100           | mg/L  | 0.500       |   | 109  | 66-128      | 7   | 30        |       |
| Surrogate: Bromofluorobenzene | 0.0549 |                 | "     | 0.0500      |   | 110  | 73-125      |     |           |       |

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 Project Number: [none]  
 Project: Ruby 7-J Pad 615

**Nitrate/Nitrite by EPA 353.2 - Quality Control**  
**GEL Laboratories, LLC**

| Analyte                       | Result | Reporting Limit | Units | Spike Level | Source Result  | %REC | %REC Limits | RPD   | RPD Limit | Notes |
|-------------------------------|--------|-----------------|-------|-------------|--|------|-------------|-------|-----------|-------|
| <b>Batch 2549758 -</b>        |        |                 |       |             |  |      |             |       |           |       |
| <b>BLANK (1205617665-BLK)</b> |        |                 |       |             | Prepared: Analyzed: 01/08/2024                       |      |             |       |           |       |
| Nitrogen, Nitrate/Nitrite     | ND     | 0.0200          | mg/L  |             |  |      | -           |       |           | U     |
| <b>LCS (1205617666-BKS)</b>   |        |                 |       |             | Prepared: Analyzed: 01/08/2024                       |      |             |       |           |       |
| Nitrogen, Nitrate/Nitrite     | 1.02   | 0.0200          | mg/L  | 1.00        |  | 102  | 90-110      |       |           |       |
| <b>DUP (1205617667 D)</b>     |        |                 |       |             | Source: Y401045-01<br>Prepared: Analyzed: 01/08/2024 |      |             |       |           |       |
| Nitrogen, Nitrate/Nitrite     | 9.40   | 0.500           | mg/L  |             | 9.48   |      | 0-20        | 0.795 | 20        |       |
| <b>PS (1205617668 S)</b>      |        |                 |       |             | Source: Y401045-01<br>Prepared: Analyzed: 01/08/2024 |      |             |       |           |       |
| Nitrogen, Nitrate/Nitrite     | 34.3   | 0.500           | mg/L  | 1.00        |  | 99.1 | 90-110      |       |           |       |

Origins Laboratory, Inc.



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

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

David Castro  
 Project Number: [none]  
 Project: Ruby 7-J Pad 615

**Total Phosphorus by EPA 365.4 - Quality Control**  
**GEL Laboratories, LLC**

| Analyte                               | Result | Reporting Limit          | Units | Spike Level | Source Result                             | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------------------|--------|--------------------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| <b>Batch 2549590 - EPA 365.4 Prep</b> |        |                          |       |             |   |      |             |     |           |       |
| <b>BLANK (1205617372-BLK)</b>         |        |                          |       |             | Prepared: 01/08/2024 Analyzed: 01/08/2024 |      |             |     |           |       |
| Phosphorus, Total as P                | ND     | 50.0                     | ug/L  |             |   |      | -           |     |           | U     |
| <b>LCS (1205617373-BKS)</b>           |        |                          |       |             | Prepared: 01/08/2024 Analyzed: 01/08/2024 |      |             |     |           |       |
| Phosphorus, Total as P                | 1080   | 50.0                     | ug/L  | 1000        |   | 108  | 83-122      |     |           |       |
| <b>DUP (1205617374 D)</b>             |        |                          |       |             | Prepared: 01/08/2024 Analyzed: 01/08/2024 |      |             |     |           |       |
|                                       |        | <b>Source: 649505002</b> |       |             |   |      |             |     |           |       |
| Phosphorus, Total as P                | ND     | 50.0                     | ug/L  |             | <20.0                                     |      | 0-35        | N/A | 35        | U     |
| <b>MS (1205617375 S)</b>              |        |                          |       |             | Prepared: 01/08/2024 Analyzed: 01/08/2024 |      |             |     |           |       |
|                                       |        | <b>Source: 649505002</b> |       |             |   |      |             |     |           |       |
| Phosphorus, Total as P                | 725    | 50.0                     | ug/L  | 1000        | <20.0                                     | 72.5 | 66-137      |     |           |       |

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

David Castro  
Project Number: [none]  
Project: Ruby 7-J Pad 615

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**Notes and Definitions**

Ua Sample is Non-Detect.

U Result not detected above the detection limit

J Greater than the detection limit but less than the reporting limit

H Holding time exceeded

<5 <5

<20 <20

~9000 ~9000

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

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

Origins Laboratory, Inc.



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Jordan A. Bynon, Project Manager