

September 21, 2017

CGRS, Inc

Steve Hockett

1301 Academy Court

Fort Collins CO 80524

**Project Name - Blue Chip Oil - 3 Sites****Project Number - [none]**

Attached are your analytical results for Blue Chip Oil - 3 Sites received by Origins Laboratory, Inc. September 14, 2017. This project is associated with Origins project number Y709189-01.

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



CGRS, Inc  
1301 Academy Court  
Fort Collins CO 80524

Steve Hockett  
Project Number: [none]  
Project: Blue Chip Oil - 3 Sites

## CROSS REFERENCE REPORT

| Sample ID        | Laboratory ID | Matrix | Date Sampled             | Date Received    |
|------------------|---------------|--------|--------------------------|------------------|
| Sloan 1 SS4@1'   | Y709189-01    | Soil   | September 14, 2017 14:40 | 09/14/2017 17:20 |
| N. Poudre SS3@0' | Y709189-02    | Soil   | September 14, 2017 13:30 | 09/14/2017 17:20 |
| Sloan 3 SS3@1'   | Y709189-03    | Soil   | September 14, 2017 11:30 | 09/14/2017 17:20 |

Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President

CGRS, Inc  
1301 Academy Court  
Fort Collins CO 80524

Steve Hockett  
Project Number: [none]  
Project: Blue Chip Oil - 3 Sites

**ORIGINS**  
LABORATORY, INC

Client: CGRS, Inc.  
Address: 1301 Academy Ct  
Fort Collins, CO  
Telephone Number: 930-824-8716  
Email Address: SHockett@CGRS.com

Project Manager: Steve Hockett  
Project Name: Blue Chip Oil - 3 Sites  
Project Number:  
Samples Collected By: Steve Hockett

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page of

| Sample ID Description          | Date Sampled  | Time Sampled | # of Containers | Preservative |               |                  |       | Matrix  |      |                         | Analysis |    |       |       | Sample Instructions |
|--------------------------------|---------------|--------------|-----------------|--------------|---------------|------------------|-------|---|------|-------------------------|----------|----|-------|-------|---------------------|
|                                |               |              |                 | Unpreserved  | HCl           | HNO <sub>3</sub> | Other | Groundwater   | Soil | Air Summa<br>Canister # | Other    | GC | GC/MS | GC/MS |                     |
| Slown 1 554 @ 1'               | 9/14          | 2:40         | 2               |              |               |                  |       |   | X    |                         |          |    |       |       | 1                   |
| N. Pond 53 @ 0'                | 9/14          | 1:30         | 2               |              |               |                  |       |   | X    |                         |          |    |       |       | 2                   |
| Slown 3 553 @ 1'               | 9/14          | 11:30        | 2               |              |               |                  |       |   | X    |                         |          |    |       |       | 3                   |
|                                |               |              |                 |              |               |                  |       |   |      |                         |          |    |       |       | 4                   |
|                                |               |              |                 |              |               |                  |       |   |      |                         |          |    |       |       | 5                   |
|                                |               |              |                 |              |               |                  |       |   |      |                         |          |    |       |       | 6                   |
|                                |               |              |                 |              |               |                  |       |   |      |                         |          |    |       |       | 7                   |
|                                |               |              |                 |              |               |                  |       |   |      |                         |          |    |       |       | 8                   |
|                                |               |              |                 |              |               |                  |       |   |      |                         |          |    |       |       | 9                   |
|                                |               |              |                 |              |               |                  |       |   |      |                         |          |    |       |       | 10                  |
| Relinquished By: Steve Hockett | Date: 9/14/17 | Time: 5:10   |                 | Received By: | Date: 9/17/17 | Time: 17:20      |       | Turnaround Time: Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input checked="" type="checkbox"/> Standard |      |                         |          |    |       |       |                     |
| Relinquished By:               | Date:         | Time:        |                 | Received By: | Date:         | Time:            |       |   |      |                         |          |    |       |       |                     |

1725 Elk Place

Denver, CO 80211

Phone: 303.433.1322

Fax: 303.265.9645

Temp Received: 7.8°C

Date Results Needed

Origins Laboratory, Inc.

*Jefe Pellegrini*

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CGRS, Inc  
1301 Academy Court  
Fort Collins CO 80524

Steve Hockett  
Project Number: [none]  
Project: Blue Chip Oil - 3 Sites

Origins Laboratory

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

## Sample Receipt Checklist

Origins Work Order: 4709189

Client: CGRS, Inc

Client Project ID: Blue Chip Oil

Checklist Completed by: DM

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

Date/time completed: 9-15-12 1228

Airbill #: NA

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

Cooler Number/Temperature: 1 7.8 °C 1 °C 1 °C 1 °C (Describe)

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

9-15-12 1229  
Date/Time Reviewed

Origins Laboratory, Inc.

*Jefe Pellegrini*

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1301 Academy Court  
Fort Collins CO 80524

Steve Hockett  
Project Number: [none]  
Project: Blue Chip Oil - 3 Sites

Sloan 1 SS4@1'  
9/14/2017 2:40:00PM

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

**Origins Laboratory, Inc.**  
**Y709189-01 (Soil)**

**BTEX by EPA 8260C**

|                |      |       |       |      |         |            |            |   |
|----------------|------|-------|-------|------|---------|------------|------------|---|
| Benzene        | 1.64 | 0.498 | mg/kg | 250  | B711502 | 09/15/2017 | 09/15/2017 |   |
| Toluene        | ND   | 0.498 | "     | "    | "       | "          | "          | U |
| Ethylbenzene   | 26.7 | 0.498 | "     | "    | "       | "          | "          |   |
| Xylenes, total | 472  | 4.98  | "     | 2500 | "       | "          | 09/15/2017 |   |

|                                  |        |        |  |  |   |   |            |  |
|----------------------------------|--------|--------|--|--|---|---|------------|--|
| Surrogate: 1,2-Dichloroethane-d4 | 97.4 % | 70-130 |  |  | " | " | 09/15/2017 |  |
| Surrogate: Toluene-d8            | 100 %  | 70-130 |  |  | " | " | "          |  |
| Surrogate: 4-Bromofluorobenzene  | 122 %  | 70-130 |  |  | " | " | "          |  |

**Metals (Saturated Paste Prep)**

|           |      |  |      |   |          |            |            |  |
|-----------|------|--|------|---|----------|------------|------------|--|
| Calcium   | 1.36 |  | me/L | 1 | '[none]' | 09/18/2017 | 09/20/2017 |  |
| Magnesium | 0.48 |  | "    | " | "        | "          | "          |  |
| Sodium    | 4.68 |  | "    | " | "        | "          | "          |  |

**pH in Soil by EPA 9045D**

|    |      |  |          |   |         |            |            |  |
|----|------|--|----------|---|---------|------------|------------|--|
| pH | 7.92 |  | pH Units | 1 | B711504 | 09/15/2017 | 09/15/2017 |  |
|----|------|--|----------|---|---------|------------|------------|--|

**SAR by 20B Saturated Paste**

|     |      |  |  |   |          |            |            |  |
|-----|------|--|--|---|----------|------------|------------|--|
| SAR | 4.88 |  |  | 1 | '[none]' | 09/18/2017 | 09/20/2017 |  |
|-----|------|--|--|---|----------|------------|------------|--|

**Specific Conductance by Modified 9050A**

|                           |       |  |          |   |         |            |            |  |
|---------------------------|-------|--|----------|---|---------|------------|------------|--|
| Specific Conductance (EC) | 0.148 |  | mmhos/cm | 1 | B711505 | 09/15/2017 | 09/15/2017 |  |
|---------------------------|-------|--|----------|---|---------|------------|------------|--|

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Steve Hockett  
Project Number: [none]  
Project: Blue Chip Oil - 3 Sites

Sloan 1 SS4@1'  
9/14/2017 2:40:00PM

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

Origins Laboratory, Inc.  
Y709189-01 (Soil)

### TPH-Carbon Chain by EPA Method 8015C

|                                   |      |      |       |   |         |            |            |
|-----------------------------------|------|------|-------|---|---------|------------|------------|
| Gasoline (C6-C10)                 | 7050 | 50.0 | mg/kg | 1 | B711503 | 09/15/2017 | 09/18/2017 |
| Diesel (C10-C28)                  | 2180 | 50.0 | "     | " | "       | "          | "          |
| Residual Range Organics (C28-C40) | 275  | 200  | "     | " | "       | "          | "          |

|                        |        |        |  |  |   |   |   |
|------------------------|--------|--------|--|--|---|---|---|
| Surrogate: o-Terphenyl | 70.2 % | 65-146 |  |  | " | " | " |
|------------------------|--------|--------|--|--|---|---|---|

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Steve Hockett  
Project Number: [none]  
Project: Blue Chip Oil - 3 Sites

**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 |
|--|--------|-----------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| <b>Batch B711502 - EPA 5030 (soil)</b> |        |                 |       |             |   |      |             |     |           |       |
| <b>Blank (B711502-BLK1)</b>            |        |                 |       |             | Prepared: 09/15/2017 Analyzed: 09/15/2017 |      |             |     |           |       |
| Benzene                                | ND     | 0.002           | mg/kg |             |   |      |             |     |           | U     |
| Toluene                                | ND     | 0.002           | "     |             |   |      |             |     |           | U     |
| Ethylbenzene                           | ND     | 0.002           | "     |             |   |      |             |     |           | U     |
| Xylenes, total                         | ND     | 0.002           | "     |             |   |      |             |     |           | U     |
| Surrogate: 1,2-Dichloroethane-d4       | 62     |                 | ug/kg | 62.5        |   | 99.8 | 70-130      |     |           |       |
| Surrogate: Toluene-d8                  | 65     |                 | "     | 62.5        |   | 105  | 70-130      |     |           |       |
| Surrogate: 4-Bromofluorobenzene        | 64     |                 | "     | 62.5        |   | 103  | 70-130      |     |           |       |

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Project: Blue Chip Oil - 3 Sites

**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 |
|--|--------|-----------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| <b>Batch B711502 - EPA 5030 (soil)</b> |        |                 |       |             |   |      |             |     |           |       |
| <b>Blank (B711502-BLK2)</b>            |        |                 |       |             | Prepared: 09/15/2017 Analyzed: 09/15/2017 |      |             |     |           |       |
| Benzene                                | ND     | 0.002           | mg/kg |             |   |      |             |     |           | U     |
| Toluene                                | ND     | 0.002           | "     |             |   |      |             |     |           | U     |
| Ethylbenzene                           | ND     | 0.002           | "     |             |   |      |             |     |           | U     |
| Xylenes, total                         | ND     | 0.002           | "     |             |   |      |             |     |           | U     |
| Surrogate: 1,2-Dichloroethane-d4       | 63     |                 | ug/kg | 62.5        |   | 100  | 70-130      |     |           |       |
| Surrogate: Toluene-d8                  | 65     |                 | "     | 62.5        |   | 104  | 70-130      |     |           |       |
| Surrogate: 4-Bromofluorobenzene        | 65     |                 | "     | 62.5        |   | 103  | 70-130      |     |           |       |

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Project: Blue Chip Oil - 3 Sites

**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 B711502 - EPA 5030 (soil)**

**Blank (B711502-BLK3)**

Prepared: 09/15/2017 Analyzed: 09/15/2017

|                                  |    |       |       |      |  |      |        |  |  |   |
|----------------------------------|----|-------|-------|------|--|------|--------|--|--|---|
| Benzene                          | ND | 0.002 | mg/kg |      |  |      |        |  |  | U |
| Toluene                          | ND | 0.002 | "     |      |  |      |        |  |  | U |
| Ethylbenzene                     | ND | 0.002 | "     |      |  |      |        |  |  | U |
| Xylenes, total                   | ND | 0.002 | "     |      |  |      |        |  |  | U |
| Surrogate: 1,2-Dichloroethane-d4 | 58 |       | ug/kg | 62.5 |  | 92.4 | 70-130 |  |  |   |
| Surrogate: Toluene-d8            | 64 |       | "     | 62.5 |  | 102  | 70-130 |  |  |   |
| Surrogate: 4-Bromofluorobenzene  | 61 |       | "     | 62.5 |  | 98.3 | 70-130 |  |  |   |

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Fort Collins CO 80524

Steve Hockett  
Project Number: [none]  
Project: Blue Chip Oil - 3 Sites

**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 |
|--|--------|-----------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| <b>Batch B711502 - EPA 5030 (soil)</b> |        |                 |       |             |   |      |             |     |           |       |
| <b>LCS (B711502-BS1)</b>               |        |                 |       |             | Prepared: 09/15/2017 Analyzed: 09/15/2017 |      |             |     |           |       |
| Benzene                                | 0.103  | 0.002           | mg/kg | 0.100       |   | 103  | 77.1-124    |     |           |       |
| Toluene                                | 0.101  | 0.002           | "     | 0.100       |   | 101  | 74.5-128    |     |           |       |
| Ethylbenzene                           | 0.099  | 0.002           | "     | 0.100       |   | 99.4 | 66.4-127    |     |           |       |
| m,p-Xylene                             | 0.199  | 0.004           | "     | 0.200       |   | 99.6 | 76.6-124    |     |           |       |
| o-Xylene                               | 0.101  | 0.002           | "     | 0.100       |   | 101  | 76.6-124    |     |           |       |
| Surrogate: 1,2-Dichloroethane-d4       | 67     |                 | ug/kg | 62.5        |   | 107  | 70-130      |     |           |       |
| Surrogate: Toluene-d8                  | 65     |                 | "     | 62.5        |   | 104  | 70-130      |     |           |       |
| Surrogate: 4-Bromofluorobenzene        | 64     |                 | "     | 62.5        |   | 103  | 70-130      |     |           |       |

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Steve Hockett  
Project Number: [none]  
Project: Blue Chip Oil - 3 Sites

**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 |
|--|--------|-----------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| <b>Batch B711502 - EPA 5030 (soil)</b> |        |                 |       |             |   |      |             |     |           |       |
| <b>LCS (B711502-BS2)</b>               |        |                 |       |             | Prepared: 09/15/2017 Analyzed: 09/15/2017 |      |             |     |           |       |
| Benzene                                | 0.092  | 0.002           | mg/kg | 0.100       |   | 92.5 | 77.1-124    |     |           |       |
| Toluene                                | 0.094  | 0.002           | "     | 0.100       |   | 94.3 | 74.5-128    |     |           |       |
| Ethylbenzene                           | 0.092  | 0.002           | "     | 0.100       |   | 91.8 | 66.4-127    |     |           |       |
| m,p-Xylene                             | 0.184  | 0.004           | "     | 0.200       |   | 92.1 | 76.6-124    |     |           |       |
| o-Xylene                               | 0.093  | 0.002           | "     | 0.100       |   | 93.4 | 76.6-124    |     |           |       |
| Surrogate: 1,2-Dichloroethane-d4       | 67     |                 | ug/kg | 62.5        |   | 106  | 70-130      |     |           |       |
| Surrogate: Toluene-d8                  | 63     |                 | "     | 62.5        |   | 101  | 70-130      |     |           |       |
| Surrogate: 4-Bromofluorobenzene        | 64     |                 | "     | 62.5        |   | 103  | 70-130      |     |           |       |

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Jen Pellegrini For Noelle Doyle Mathis, President

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Steve Hockett  
Project Number: [none]  
Project: Blue Chip Oil - 3 Sites

**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 |
|--|--------|-----------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| <b>Batch B711502 - EPA 5030 (soil)</b> |        |                 |       |             |   |      |             |     |           |       |
| <b>LCS (B711502-BS3)</b>               |        |                 |       |             | Prepared: 09/15/2017 Analyzed: 09/15/2017 |      |             |     |           |       |
| Benzene                                | 0.093  | 0.002           | mg/kg | 0.100       |   | 92.7 | 77.1-124    |     |           |       |
| Toluene                                | 0.092  | 0.002           | "     | 0.100       |   | 91.8 | 74.5-128    |     |           |       |
| Ethylbenzene                           | 0.089  | 0.002           | "     | 0.100       |   | 88.9 | 66.4-127    |     |           |       |
| m,p-Xylene                             | 0.171  | 0.004           | "     | 0.200       |   | 85.5 | 76.6-124    |     |           |       |
| o-Xylene                               | 0.087  | 0.002           | "     | 0.100       |   | 87.2 | 76.6-124    |     |           |       |
| Surrogate: 1,2-Dichloroethane-d4       | 59     |                 | ug/kg | 62.5        |   | 94.9 | 70-130      |     |           |       |
| Surrogate: Toluene-d8                  | 62     |                 | "     | 62.5        |   | 99.9 | 70-130      |     |           |       |
| Surrogate: 4-Bromofluorobenzene        | 61     |                 | "     | 62.5        |   | 97.9 | 70-130      |     |           |       |

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Steve Hockett  
Project Number: [none]  
Project: Blue Chip Oil - 3 Sites

**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 B711502 - EPA 5030 (soil)

| Matrix Spike (B711502-MS1)       |       | Source: Y709181-01 |       |       | Prepared: 09/15/2017 Analyzed: 09/15/2017 |      |          |  |  |  |
|----------------------------------|-------|--------------------|-------|-------|---|------|----------|--|--|--|
| Benzene                          | 0.096 | 0.002              | mg/kg | 0.100 | ND  | 96.5 | 71.8-126 |  |  |  |
| Toluene                          | 0.097 | 0.002              | "     | 0.100 | ND  | 97.2 | 65.1-130 |  |  |  |
| Ethylbenzene                     | 0.093 | 0.002              | "     | 0.100 | ND  | 93.3 | 62.2-130 |  |  |  |
| m,p-Xylene                       | 0.181 | 0.004              | "     | 0.200 | ND  | 90.6 | 46.5-137 |  |  |  |
| o-Xylene                         | 0.093 | 0.002              | "     | 0.100 | ND  | 92.5 | 54.2-134 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 58    |                    | ug/kg | 62.5  |   | 92.1 | 70-130   |  |  |  |
| Surrogate: Toluene-d8            | 64    |                    | "     | 62.5  |   | 102  | 70-130   |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 61    |                    | "     | 62.5  |   | 98.0 | 70-130   |  |  |  |

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CGRS, Inc  
1301 Academy Court  
Fort Collins CO 80524

Steve Hockett  
Project Number: [none]  
Project: Blue Chip Oil - 3 Sites

**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 B711502 - EPA 5030 (soil)

| Matrix Spike (B711502-MS2)       |       | Source: Y709181-02 |       |       | Prepared: 09/15/2017 Analyzed: 09/15/2017 |     |          |  |  |  |
|----------------------------------|-------|--------------------|-------|-------|---|-----|----------|--|--|--|
| Benzene                          | 0.101 | 0.002              | mg/kg | 0.100 | ND  | 101 | 71.8-126 |  |  |  |
| Toluene                          | 0.102 | 0.002              | "     | 0.100 | ND  | 102 | 65.1-130 |  |  |  |
| Ethylbenzene                     | 0.103 | 0.002              | "     | 0.100 | ND  | 103 | 62.2-130 |  |  |  |
| m,p-Xylene                       | 0.205 | 0.004              | "     | 0.200 | ND  | 102 | 46.5-137 |  |  |  |
| o-Xylene                         | 0.104 | 0.002              | "     | 0.100 | ND  | 104 | 54.2-134 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 64    |                    | ug/kg | 62.5  |   | 102 | 70-130   |  |  |  |
| Surrogate: Toluene-d8            | 64    |                    | "     | 62.5  |   | 103 | 70-130   |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 65    |                    | "     | 62.5  |   | 104 | 70-130   |  |  |  |

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1301 Academy Court  
Fort Collins CO 80524

Steve Hockett  
Project Number: [none]  
Project: Blue Chip Oil - 3 Sites

**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 B711502 - EPA 5030 (soil)

| Matrix Spike (B711502-MS3)       |       | Source: Y709181-03 |       |       | Prepared: 09/15/2017 Analyzed: 09/15/2017 |      |          |  |  |  |
|----------------------------------|-------|--------------------|-------|-------|---|------|----------|--|--|--|
| Benzene                          | 0.091 | 0.002              | mg/kg | 0.100 | ND  | 90.6 | 71.8-126 |  |  |  |
| Toluene                          | 0.095 | 0.002              | "     | 0.100 | ND  | 94.7 | 65.1-130 |  |  |  |
| Ethylbenzene                     | 0.090 | 0.002              | "     | 0.100 | ND  | 89.2 | 62.2-130 |  |  |  |
| m,p-Xylene                       | 0.176 | 0.004              | "     | 0.200 | ND  | 87.9 | 46.5-137 |  |  |  |
| o-Xylene                         | 0.088 | 0.002              | "     | 0.100 | ND  | 88.5 | 54.2-134 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 69    |                    | ug/kg | 62.5  |   | 110  | 70-130   |  |  |  |
| Surrogate: Toluene-d8            | 65    |                    | "     | 62.5  |   | 104  | 70-130   |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 64    |                    | "     | 62.5  |   | 102  | 70-130   |  |  |  |

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Fort Collins CO 80524

Steve Hockett  
Project Number: [none]  
Project: Blue Chip Oil - 3 Sites

**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 B711502 - EPA 5030 (soil)**

| Matrix Spike Dup (B711502-MSD1)  |       | Source: Y709181-01 |       |       | Prepared: 09/15/2017 Analyzed: 09/15/2017 |      |          |      |      |  |
|----------------------------------|-------|--------------------|-------|-------|---|------|----------|------|------|--|
| Benzene                          | 0.093 | 0.002              | mg/kg | 0.100 | ND  | 92.7 | 71.8-126 | 4.00 | 11.3 |  |
| Toluene                          | 0.092 | 0.002              | "     | 0.100 | ND  | 91.8 | 65.1-130 | 5.72 | 15.4 |  |
| Ethylbenzene                     | 0.089 | 0.002              | "     | 0.100 | ND  | 88.9 | 62.2-130 | 4.85 | 19.6 |  |
| m,p-Xylene                       | 0.171 | 0.004              | "     | 0.200 | ND  | 85.5 | 46.5-137 | 5.74 | 19.2 |  |
| o-Xylene                         | 0.087 | 0.002              | "     | 0.100 | ND  | 87.2 | 54.2-134 | 5.90 | 17.9 |  |
| Surrogate: 1,2-Dichloroethane-d4 | 59    |                    | ug/kg | 62.5  |   | 94.9 | 70-130   |      |      |  |
| Surrogate: Toluene-d8            | 62    |                    | "     | 62.5  |   | 99.9 | 70-130   |      |      |  |
| Surrogate: 4-Bromofluorobenzene  | 61    |                    | "     | 62.5  |   | 97.9 | 70-130   |      |      |  |

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1301 Academy Court  
Fort Collins CO 80524

Steve Hockett  
Project Number: [none]  
Project: Blue Chip Oil - 3 Sites

**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 B711502 - EPA 5030 (soil)**

| Matrix Spike Dup (B711502-MSD2)  |       | Source: Y709181-02 |       |       | Prepared: 09/15/2017 Analyzed: 09/15/2017 |      |          |      |      |  |
|----------------------------------|-------|--------------------|-------|-------|---|------|----------|------|------|--|
| Benzene                          | 0.092 | 0.002              | mg/kg | 0.100 | ND  | 92.5 | 71.8-126 | 8.51 | 11.3 |  |
| Toluene                          | 0.094 | 0.002              | "     | 0.100 | ND  | 94.3 | 65.1-130 | 7.57 | 15.4 |  |
| Ethylbenzene                     | 0.092 | 0.002              | "     | 0.100 | ND  | 91.8 | 62.2-130 | 11.1 | 19.6 |  |
| m,p-Xylene                       | 0.184 | 0.004              | "     | 0.200 | ND  | 92.1 | 46.5-137 | 10.5 | 19.2 |  |
| o-Xylene                         | 0.093 | 0.002              | "     | 0.100 | ND  | 93.4 | 54.2-134 | 10.3 | 17.9 |  |
| Surrogate: 1,2-Dichloroethane-d4 | 67    |                    | ug/kg | 62.5  |   | 106  | 70-130   |      |      |  |
| Surrogate: Toluene-d8            | 63    |                    | "     | 62.5  |   | 101  | 70-130   |      |      |  |
| Surrogate: 4-Bromofluorobenzene  | 64    |                    | "     | 62.5  |   | 103  | 70-130   |      |      |  |

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Jen Pellegrini For Noelle Doyle Mathis, President

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Steve Hockett  
Project Number: [none]  
Project: Blue Chip Oil - 3 Sites

**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 B711502 - EPA 5030 (soil)**

| Matrix Spike Dup (B711502-MSD3)  |       | Source: Y709181-03 |       |       | Prepared: 09/15/2017 Analyzed: 09/15/2017 |      |          |       |      |  |
|----------------------------------|-------|--------------------|-------|-------|---|------|----------|-------|------|--|
| Benzene                          | 0.087 | 0.002              | mg/kg | 0.100 | ND  | 86.8 | 71.8-126 | 4.26  | 11.3 |  |
| Toluene                          | 0.087 | 0.002              | "     | 0.100 | ND  | 86.8 | 65.1-130 | 8.71  | 15.4 |  |
| Ethylbenzene                     | 0.089 | 0.002              | "     | 0.100 | ND  | 88.6 | 62.2-130 | 0.693 | 19.6 |  |
| m,p-Xylene                       | 0.172 | 0.004              | "     | 0.200 | ND  | 86.0 | 46.5-137 | 2.22  | 19.2 |  |
| o-Xylene                         | 0.088 | 0.002              | "     | 0.100 | ND  | 88.1 | 54.2-134 | 0.430 | 17.9 |  |
| Surrogate: 1,2-Dichloroethane-d4 | 67    |                    | ug/kg | 62.5  |   | 106  | 70-130   |       |      |  |
| Surrogate: Toluene-d8            | 63    |                    | "     | 62.5  |   | 100  | 70-130   |       |      |  |
| Surrogate: 4-Bromofluorobenzene  | 65    |                    | "     | 62.5  |   | 105  | 70-130   |       |      |  |

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Fort Collins CO 80524

Steve Hockett  
Project Number: [none]  
Project: Blue Chip Oil - 3 Sites

**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 B711503 - EPA 3550B**

**Blank (B711503-BLK1)**

Prepared: 09/15/2017 Analyzed: 09/17/2017

|                                   |    |      |       |  |  |  |  |  |  |   |
|-----------------------------------|----|------|-------|--|--|--|--|--|--|---|
| Gasoline (C6-C10)                 | ND | 50.0 | mg/kg |  |  |  |  |  |  | U |
| Diesel (C10-C28)                  | ND | 50.0 | "     |  |  |  |  |  |  | U |
| Residual Range Organics (C28-C40) | ND | 200  | "     |  |  |  |  |  |  | U |

Surrogate: o-Terphenyl

52.4

"

50.0

105

65-146

**Blank (B711503-BLK2)**

Prepared: 09/15/2017 Analyzed: 09/17/2017

|                                   |    |      |       |  |  |  |  |  |  |   |
|-----------------------------------|----|------|-------|--|--|--|--|--|--|---|
| Gasoline (C6-C10)                 | ND | 50.0 | mg/kg |  |  |  |  |  |  | U |
| Diesel (C10-C28)                  | ND | 50.0 | "     |  |  |  |  |  |  | U |
| Residual Range Organics (C28-C40) | ND | 200  | "     |  |  |  |  |  |  | U |

Surrogate: o-Terphenyl

52.3

"

50.0

105

65-146

**Blank (B711503-BLK3)**

Prepared: 09/15/2017 Analyzed: 09/17/2017

|                                   |    |      |       |  |  |  |  |  |  |   |
|-----------------------------------|----|------|-------|--|--|--|--|--|--|---|
| Gasoline (C6-C10)                 | ND | 50.0 | mg/kg |  |  |  |  |  |  | U |
| Diesel (C10-C28)                  | ND | 50.0 | "     |  |  |  |  |  |  | U |
| Residual Range Organics (C28-C40) | ND | 200  | "     |  |  |  |  |  |  | U |

Surrogate: o-Terphenyl

52.1

"

50.0

104

65-146

**LCS (B711503-BS1)**

Prepared: 09/15/2017 Analyzed: 09/17/2017

|                                   |      |      |       |      |  |      |          |  |  |  |
|-----------------------------------|------|------|-------|------|--|------|----------|--|--|--|
| Gasoline (C6-C10)                 | 899  | 50.0 | mg/kg | 1000 |  | 89.9 | 66.7-119 |  |  |  |
| Diesel (C10-C28)                  | 1010 | 50.0 | "     | 1000 |  | 101  | 70.1-127 |  |  |  |
| Residual Range Organics (C28-C40) | 812  | 200  | "     | 1000 |  | 81.2 | 54.5-139 |  |  |  |

Surrogate: o-Terphenyl

48.7

"

50.0

97.5

65-146

Origins Laboratory, Inc.



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1301 Academy Court  
Fort Collins CO 80524

Steve Hockett  
Project Number: [none]  
Project: Blue Chip Oil - 3 Sites

## 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 |
|-----------------------------------|--------|-----------------|-------|-------------|---|------|---|-----|-----------|-------|
| <b>Batch B711503 - EPA 3550B</b>  |        |                 |       |             |   |      |   |     |           |       |
| <b>LCS (B711503-BS2)</b>          |        |                 |       |             | Prepared: 09/15/2017 Analyzed: 09/17/2017 |      |   |     |           |       |
| Gasoline (C6-C10)                 | 971    | 50.0            | mg/kg | 1000        |   | 97.1 | 66.7-119                                  |     |           |       |
| Diesel (C10-C28)                  | 1080   | 50.0            | "     | 1000        |   | 108  | 70.1-127                                  |     |           |       |
| Residual Range Organics (C28-C40) | 953    | 200             | "     | 1000        |   | 95.3 | 54.5-139                                  |     |           |       |
| Surrogate: o-Terphenyl            | 56.1   |                 | "     | 50.0        |   | 112  | 65-146                                    |     |           |       |
| <b>LCS (B711503-BS3)</b>          |        |                 |       |             | Prepared: 09/15/2017 Analyzed: 09/17/2017 |      |   |     |           |       |
| Gasoline (C6-C10)                 | 947    | 50.0            | mg/kg | 1000        |   | 94.7 | 66.7-119                                  |     |           |       |
| Diesel (C10-C28)                  | 1060   | 50.0            | "     | 1000        |   | 106  | 70.1-127                                  |     |           |       |
| Residual Range Organics (C28-C40) | 920    | 200             | "     | 1000        |   | 92.0 | 54.5-139                                  |     |           |       |
| Surrogate: o-Terphenyl            | 59.6   |                 | "     | 50.0        |   | 119  | 65-146                                    |     |           |       |
| <b>Matrix Spike (B711503-MS1)</b> |        |                 |       |             | <b>Source: Y709181-01</b>                 |      | Prepared: 09/15/2017 Analyzed: 09/17/2017 |     |           |       |
| Gasoline (C6-C10)                 | 992    | 50.0            | mg/kg | 1000        | 30.1                                      | 96.2 | 56.4-132                                  |     |           |       |
| Diesel (C10-C28)                  | 1090   | 50.0            | "     | 1000        | 14.4                                      | 107  | 57.4-138                                  |     |           |       |
| Residual Range Organics (C28-C40) | 936    | 200             | "     | 1000        | 50.7                                      | 88.6 | 47.7-129                                  |     |           |       |
| Surrogate: o-Terphenyl            | 53.2   |                 | "     | 50.0        |   | 106  | 65-146                                    |     |           |       |
| <b>Matrix Spike (B711503-MS2)</b> |        |                 |       |             | <b>Source: Y709181-02</b>                 |      | Prepared: 09/15/2017 Analyzed: 09/17/2017 |     |           |       |
| Gasoline (C6-C10)                 | 936    | 50.0            | mg/kg | 1000        | 36.8                                      | 89.9 | 56.4-132                                  |     |           |       |
| Diesel (C10-C28)                  | 1070   | 50.0            | "     | 1000        | 17.5                                      | 106  | 57.4-138                                  |     |           |       |
| Residual Range Organics (C28-C40) | 888    | 200             | "     | 1000        | 44.4                                      | 84.4 | 47.7-129                                  |     |           |       |
| Surrogate: o-Terphenyl            | 54.3   |                 | "     | 50.0        |   | 109  | 65-146                                    |     |           |       |
| <b>Matrix Spike (B711503-MS3)</b> |        |                 |       |             | <b>Source: Y709181-03</b>                 |      | Prepared: 09/15/2017 Analyzed: 09/17/2017 |     |           |       |
| Gasoline (C6-C10)                 | 931    | 50.0            | mg/kg | 1000        | 42.1                                      | 88.9 | 56.4-132                                  |     |           |       |
| Diesel (C10-C28)                  | 1060   | 50.0            | "     | 1000        | 23.8                                      | 104  | 57.4-138                                  |     |           |       |
| Residual Range Organics (C28-C40) | 860    | 200             | "     | 1000        | 37.1                                      | 82.3 | 47.7-129                                  |     |           |       |

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1301 Academy Court  
Fort Collins CO 80524

Steve Hockett  
Project Number: [none]  
Project: Blue Chip Oil - 3 Sites

## 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 |
|--|--------|---------------------------|-------|-------------|---|------|-------------|-------|-----------|-------|
| <b>Batch B711503 - EPA 3550B</b>       |        |                           |       |             |   |      |             |       |           |       |
| <b>Matrix Spike (B711503-MS3)</b>      |        | <b>Source: Y709181-03</b> |       |             | Prepared: 09/15/2017 Analyzed: 09/17/2017 |      |             |       |           |       |
| Surrogate: o-Terphenyl                 | 51.2   |                           | mg/kg | 50.0        |   | 102  | 65-146      |       |           |       |
| <b>Matrix Spike Dup (B711503-MSD1)</b> |        | <b>Source: Y709181-01</b> |       |             | Prepared: 09/15/2017 Analyzed: 09/17/2017 |      |             |       |           |       |
| Gasoline (C6-C10)                      | 1040   | 50.0                      | mg/kg | 1000        | 30.1                                      | 101  | 56.4-132    | 4.82  | 22        |       |
| Diesel (C10-C28)                       | 1130   | 50.0                      | "     | 1000        | 14.4                                      | 112  | 57.4-138    | 4.02  | 18.3      |       |
| Residual Range Organics (C28-C40)      | 976    | 200                       | "     | 1000        | 50.7                                      | 92.5 | 47.7-129    | 4.12  | 30.1      |       |
| Surrogate: o-Terphenyl                 | 57.7   |                           | "     | 50.0        |   | 115  | 65-146      |       |           |       |
| <b>Matrix Spike Dup (B711503-MSD2)</b> |        | <b>Source: Y709181-02</b> |       |             | Prepared: 09/15/2017 Analyzed: 09/17/2017 |      |             |       |           |       |
| Gasoline (C6-C10)                      | 865    | 50.0                      | mg/kg | 1000        | 36.8                                      | 82.8 | 56.4-132    | 7.86  | 22        |       |
| Diesel (C10-C28)                       | 958    | 50.0                      | "     | 1000        | 17.5                                      | 94.1 | 57.4-138    | 11.4  | 18.3      |       |
| Residual Range Organics (C28-C40)      | 801    | 200                       | "     | 1000        | 44.4                                      | 75.6 | 47.7-129    | 10.4  | 30.1      |       |
| Surrogate: o-Terphenyl                 | 49.0   |                           | "     | 50.0        |   | 97.9 | 65-146      |       |           |       |
| <b>Matrix Spike Dup (B711503-MSD3)</b> |        | <b>Source: Y709181-03</b> |       |             | Prepared: 09/15/2017 Analyzed: 09/17/2017 |      |             |       |           |       |
| Gasoline (C6-C10)                      | 920    | 50.0                      | mg/kg | 1000        | 42.1                                      | 87.8 | 56.4-132    | 1.17  | 22        |       |
| Diesel (C10-C28)                       | 1050   | 50.0                      | "     | 1000        | 23.8                                      | 103  | 57.4-138    | 0.763 | 18.3      |       |
| Residual Range Organics (C28-C40)      | 861    | 200                       | "     | 1000        | 37.1                                      | 82.4 | 47.7-129    | 0.119 | 30.1      |       |
| Surrogate: o-Terphenyl                 | 51.3   |                           | "     | 50.0        |   | 103  | 65-146      |       |           |       |

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Fort Collins CO 80524

Steve Hockett  
Project Number: [none]  
Project: Blue Chip Oil - 3 Sites

**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 B7I1504 - NO PREP</b>  |         |   |          |             |   |      |             |      |           |       |
| <b>Duplicate (B7I1504-DUP1)</b> |         | <b>Source: Y709189-01</b>                 |          |             | Prepared: 09/15/2017 Analyzed: 09/15/2017 |      |             |      |           |       |
| pH                              | 7.31    |   | pH Units |             | 7.92                                      |      |             | 8.01 | 25        |       |
| <b>Batch B7I1505 - NO PREP</b>  |         |   |          |             |   |      |             |      |           |       |
| <b>Blank (B7I1505-BLK1)</b>     |         | Prepared: 09/15/2017 Analyzed: 09/15/2017 |          |             |   |      |             |      |           |       |
| Specific Conductance (EC)       | 0.00690 |   | mmhos/cm |             |   |      |             |      |           |       |
| <b>Duplicate (B7I1505-DUP1)</b> |         | <b>Source: Y709189-01</b>                 |          |             | Prepared: 09/15/2017 Analyzed: 09/15/2017 |      |             |      |           |       |
| Specific Conductance (EC)       | 0.144   |   | mmhos/cm |             | 0.148                                     |      |             | 3.02 | 25        |       |

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.*



CGRS, Inc

1301 Academy Court

Fort Collins CO 80524

Steve Hockett

Project Number: [none]

Project: Blue Chip Oil - 3 Sites

### Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

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.*

Jen Pellegrini For Noelle Doyle Mathis, President



October 27, 2017

CGRS, Inc

Craig Mulica

1301 Academy Court

Fort Collins CO 80524

**Project Name - Sloan 1**

**Project Number - 16926aa**

Attached are your analytical results for Sloan 1 received by Origins Laboratory, Inc. October 20, 2017. This project is associated with Origins project number Y710304-01.

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

CGRS, Inc

1301 Academy Court

Fort Collins CO 80524

Craig Mulica

Project Number: 16926aa

Project: Sloan 1

## CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled           | Date Received    |
|-----------|---------------|--------|------------------------|------------------|
| Sloan 1   | Y710304-01    | Water  | October 18, 2017 12:00 | 10/20/2017 09:24 |

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.*

Jen Pellegrini For Noelle Doyle Mathis, President

Page 3 of 11

CGRS, Inc

1301 Academy Court

Fort Collins CO 80524

Craig Mulica

Project Number: 16926aa

Project: Sloan 1

Origins Laboratory

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

## Sample Receipt Checklist

Origins Work Order: 4710304

Client: CGRS, Inc

Client Project ID: Sloan 1

Checklist Completed by: DM

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

Date/time completed: 10-20-17 12:51

Airbill #: NP

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

Cooler Number/Temperature: ✓ 1 3.1 °C ✓ 1 °C ✓ 1 °C (Describe) ✓ 1 °C

Thermometer ID: 1003

| 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 type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                   |
| Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |                   |
| Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |                   |
| Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |                   |
| Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |                   |
| For volatiles in water — is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.  | <input 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 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) | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                   |
| 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) DM

Date/Time Reviewed 10/23/17

Origins Laboratory, Inc.

*Jefe Pellegrini*

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.

CGRS, Inc  
1301 Academy Court  
Fort Collins CO 80524

Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

**Sloan 1**  
**10/18/2017 12:00:00PM**

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

**Origins Laboratory, Inc.**  
**Y710304-01 (Water)**

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

|                  |     |      |      |    |         |            |            |
|------------------|-----|------|------|----|---------|------------|------------|
| Diesel (C10-C28) | 600 | 50.0 | mg/L | 10 | B7J2009 | 10/20/2017 | 10/27/2017 |
|------------------|-----|------|------|----|---------|------------|------------|

|                        |       |        |  |  |   |   |        |
|------------------------|-------|--------|--|--|---|---|--------|
| Surrogate: o-Terphenyl | 120 % | 54-117 |  |  | " | " | " S-04 |
|------------------------|-------|--------|--|--|---|---|--------|

**GBTEX by EPA 8260C**

|                             |        |       |      |     |         |            |            |
|-----------------------------|--------|-------|------|-----|---------|------------|------------|
| Gasoline Range Hydrocarbons | 152000 | 10000 | ug/L | 100 | B7J2703 | 10/27/2017 | 10/27/2017 |
| Benzene                     | 2320   | 100   | "    | "   | "       | "          | "          |
| Toluene                     | 181    | 100   | "    | "   | "       | "          | "          |
| Ethylbenzene                | 1790   | 100   | "    | "   | "       | "          | "          |
| Xylenes, total              | 10200  | 100   | "    | "   | "       | "          | "          |

|                                  |        |          |  |  |   |   |   |
|----------------------------------|--------|----------|--|--|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 97.1 % | 85.9-113 |  |  | " | " | " |
| Surrogate: Toluene-d8            | 100 %  | 89-110   |  |  | " | " | " |
| Surrogate: 4-Bromofluorobenzene  | 98.1 % | 84-114   |  |  | " | " | " |

Origins Laboratory, Inc.



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CGRS, Inc  
1301 Academy Court  
Fort Collins CO 80524

Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

**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 |
|--|--------|-----------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| <b>Batch B7J2703 - EPA 5030B (Water)</b> |        |                 |       |             |   |      |             |     |           |       |
| <b>Blank (B7J2703-BLK1)</b>              |        |                 |       |             | Prepared: 10/27/2017 Analyzed: 10/27/2017 |      |             |     |           |       |
| Gasoline Range Hydrocarbons              | ND     | 100             | ug/L  |             |   |      |             |     |           | U     |
| Benzene                                  | ND     | 1.00            | "     |             |   |      |             |     |           | U     |
| Toluene                                  | ND     | 1.00            | "     |             |   |      |             |     |           | U     |
| Ethylbenzene                             | ND     | 1.00            | "     |             |   |      |             |     |           | U     |
| Xylenes, total                           | ND     | 1.00            | "     |             |   |      |             |     |           | U     |
| Surrogate: 1,2-Dichloroethane-d4         | 63.5   |                 | "     | 62.5        |   | 102  | 85.9-113    |     |           |       |
| Surrogate: Toluene-d8                    | 63.1   |                 | "     | 62.5        |   | 101  | 89-110      |     |           |       |
| Surrogate: 4-Bromofluorobenzene          | 62.8   |                 | "     | 62.5        |   | 100  | 84-114      |     |           |       |

Origins Laboratory, Inc.



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CGRS, Inc  
1301 Academy Court  
Fort Collins CO 80524

Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

**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 B7J2703 - EPA 5030B (Water)**

**LCS (B7J2703-BS1)**

Prepared: 10/27/2017 Analyzed: 10/27/2017

|                                  |      |      |      |      |  |      |          |  |  |  |
|----------------------------------|------|------|------|------|--|------|----------|--|--|--|
| Benzene                          | 46.8 | 1.00 | ug/L | 50.0 |  | 93.7 | 80-120   |  |  |  |
| Toluene                          | 50.0 | 1.00 | "    | 50.0 |  | 99.9 | 80-122   |  |  |  |
| Ethylbenzene                     | 47.8 | 1.00 | "    | 50.0 |  | 95.7 | 77-129   |  |  |  |
| m,p-Xylene                       | 95.4 | 2.00 | "    | 100  |  | 95.4 | 78.6-126 |  |  |  |
| o-Xylene                         | 49.6 | 1.00 | "    | 50.0 |  | 99.2 | 80-121   |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 58.3 |      | "    | 62.5 |  | 93.3 | 85.9-113 |  |  |  |
| Surrogate: Toluene-d8            | 63.3 |      | "    | 62.5 |  | 101  | 89-110   |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 62.1 |      | "    | 62.5 |  | 99.4 | 84-114   |  |  |  |

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.*

CGRS, Inc  
1301 Academy Court  
Fort Collins CO 80524

Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

**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 B7J2703 - EPA 5030B (Water)**

| Matrix Spike (B7J2703-MS1)       |      | Source: Y710340-02 |      |      | Prepared: 10/27/2017 Analyzed: 10/27/2017 |          |  |  |  |  |
|----------------------------------|------|--------------------|------|------|---|----------|--|--|--|--|
| Benzene                          | 60.2 | 1.00               | ug/L | 50.0 | 120                                       | 75.3-128 |  |  |  |  |
| Toluene                          | 62.9 | 1.00               | "    | 50.0 | 126                                       | 74.2-132 |  |  |  |  |
| Ethylbenzene                     | 61.8 | 1.00               | "    | 50.0 | 124                                       | 71.5-138 |  |  |  |  |
| m,p-Xylene                       | 114  | 2.00               | "    | 100  | 114                                       | 70-136   |  |  |  |  |
| o-Xylene                         | 56.8 | 1.00               | "    | 50.0 | 114                                       | 77.2-127 |  |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 63.8 |                    | "    | 62.5 | 102                                       | 85.9-113 |  |  |  |  |
| Surrogate: Toluene-d8            | 61.1 |                    | "    | 62.5 | 97.8                                      | 89-110   |  |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 61.0 |                    | "    | 62.5 | 97.6                                      | 84-114   |  |  |  |  |

Origins Laboratory, Inc.



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CGRS, Inc  
1301 Academy Court  
Fort Collins CO 80524

Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

**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 B7J2703 - EPA 5030B (Water)**

| Matrix Spike Dup (B7J2703-MSD1)  |      | Source: Y710340-02 |      |      | Prepared: 10/27/2017 Analyzed: 10/27/2017 |          |       |    |  |  |
|----------------------------------|------|--------------------|------|------|---|----------|-------|----|--|--|
| Benzene                          | 59.5 | 1.00               | ug/L | 50.0 | 119                                       | 75.3-128 | 1.15  | 20 |  |  |
| Toluene                          | 62.4 | 1.00               | "    | 50.0 | 125                                       | 74.2-132 | 0.782 | 20 |  |  |
| Ethylbenzene                     | 61.2 | 1.00               | "    | 50.0 | 122                                       | 71.5-138 | 1.06  | 20 |  |  |
| m,p-Xylene                       | 114  | 2.00               | "    | 100  | 114                                       | 70-136   | 0.00  | 20 |  |  |
| o-Xylene                         | 56.5 | 1.00               | "    | 50.0 | 113                                       | 77.2-127 | 0.618 | 20 |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 65.8 |                    | "    | 62.5 | 105                                       | 85.9-113 |       |    |  |  |
| Surrogate: Toluene-d8            | 61.5 |                    | "    | 62.5 | 98.4                                      | 89-110   |       |    |  |  |
| Surrogate: 4-Bromofluorobenzene  | 61.0 |                    | "    | 62.5 | 97.5                                      | 84-114   |       |    |  |  |

Origins Laboratory, Inc.



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CGRS, Inc  
1301 Academy Court  
Fort Collins CO 80524

Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

**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 B7J2009 - EPA 3511 Mod.**

**Blank (B7J2009-BLK1)**

Prepared: 10/20/2017 Analyzed: 10/24/2017

|                        |     |      |      |      |  |     |        |  |  |   |
|------------------------|-----|------|------|------|--|-----|--------|--|--|---|
| Diesel (C10-C28)       | ND  | 5.00 | mg/L |      |  |     |        |  |  | U |
| Surrogate: o-Terphenyl | 5.1 |      | "    | 5.00 |  | 102 | 54-117 |  |  |   |

**LCS (B7J2009-BS1)**

Prepared: 10/20/2017 Analyzed: 10/24/2017

|                        |     |      |      |      |  |      |        |  |  |  |
|------------------------|-----|------|------|------|--|------|--------|--|--|--|
| Diesel (C10-C28)       | 112 | 5.00 | mg/L | 100  |  | 112  | 61-120 |  |  |  |
| Surrogate: o-Terphenyl | 4.4 |      | "    | 5.00 |  | 88.6 | 54-117 |  |  |  |

**Matrix Spike (B7J2009-MS1)**

**Source: Y710123-01**

Prepared: 10/20/2017 Analyzed: 10/24/2017

|                        |     |      |      |      |    |     |        |  |  |  |
|------------------------|-----|------|------|------|----|-----|--------|--|--|--|
| Diesel (C10-C28)       | 123 | 5.00 | mg/L | 100  | ND | 123 | 54-126 |  |  |  |
| Surrogate: o-Terphenyl | 5.6 |      | "    | 5.00 |    | 113 | 54-117 |  |  |  |

**Matrix Spike Dup (B7J2009-MSD1)**

**Source: Y710123-01**

Prepared: 10/20/2017 Analyzed: 10/24/2017

|                        |     |      |      |      |    |      |        |      |    |  |
|------------------------|-----|------|------|------|----|------|--------|------|----|--|
| Diesel (C10-C28)       | 119 | 5.00 | mg/L | 100  | ND | 119  | 54-126 | 4.10 | 20 |  |
| Surrogate: o-Terphenyl | 4.9 |      | "    | 5.00 |    | 97.0 | 54-117 |      |    |  |

Origins Laboratory, Inc.



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CGRS, Inc  
1301 Academy Court  
Fort Collins CO 80524

Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

### Notes and Definitions

U Sample is Non-Detect.

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

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.*

October 27, 2017

CGRS, Inc

Craig Mulica

1301 Academy Court

Fort Collins CO 80524

**Project Name - Sloan 1**

**Project Number - 16926aa**

Attached are your analytical results for Sloan 1 received by Origins Laboratory, Inc. October 24, 2017. This project is associated with Origins project number Y710355-01.

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



CGRS, Inc

1301 Academy Court

Fort Collins CO 80524

Craig Mulica

Project Number: 16926aa

Project: Sloan 1

## CROSS REFERENCE REPORT

| Sample ID     | Laboratory ID | Matrix | Date Sampled           | Date Received    |
|---------------|---------------|--------|------------------------|------------------|
| SS-North @ 8' | Y710355-01    | Soil   | October 23, 2017 15:30 | 10/24/2017 09:45 |

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.*

Jen Pellegrini For Noelle Doyle Mathis, President



CGRS, Inc  
1301 Academy Court  
Fort Collins CO 80524

Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

www.originslaboratory.com

page 1 of 1

110355

Client: CGRS  
Address: 1301 ACADEMY CT 80524  
Telephone Number:  
Email Address: CRAIG@CGRS.COM  
EMILSON@CGRS.COM

Project Manager: CRAIG MULICA  
Project Name: SLOAN 1  
Project Number: 16926aa  
Samples Collected By: ELIZABETH WILSON

| Sample ID Description               | Date Sampled     | Time Sampled | # of Containers | Preservative                    |                |                  |       | Matrix   |      |             | Analysis | Sample Instructions |       |
|-------------------------------------|------------------|--------------|-----------------|---------------------------------|----------------|------------------|-------|--|------|-------------|----------|---------------------|-------|
|                                     |                  |              |                 | Unpreserved                     | HCl            | HNO <sub>3</sub> | Other | Groundwater  | Soil | Alc Summa # |          |                     | Other |
| SS-NORTH @ 0'                       | 10/23/11         | 15:30        | 2A              |                                 |                |                  |       |  | X    |             |          | BSC, TUPH, TEPH     | 1     |
|                                     |                  |              |                 |                                 |                |                  |       |  |      |             |          |                     | 2     |
|                                     |                  |              |                 |                                 |                |                  |       |  |      |             |          |                     | 3     |
|                                     |                  |              |                 |                                 |                |                  |       |  |      |             |          |                     | 4     |
|                                     |                  |              |                 |                                 |                |                  |       |  |      |             |          |                     | 5     |
|                                     |                  |              |                 |                                 |                |                  |       |  |      |             |          |                     | 6     |
|                                     |                  |              |                 |                                 |                |                  |       |  |      |             |          |                     | 7     |
|                                     |                  |              |                 |                                 |                |                  |       |  |      |             |          |                     | 8     |
|                                     |                  |              |                 |                                 |                |                  |       |  |      |             |          |                     | 9     |
|                                     |                  |              |                 |                                 |                |                  |       |  |      |             |          |                     | 10    |
| Relinquished By: <i>[Signature]</i> | Date: 10/24/2017 | Time: 9:45   |                 | Received By: <i>[Signature]</i> | Date: 10/24/17 | Time: 9:45       |       | Turnaround Time: Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input checked="" type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input type="checkbox"/> |      |             |          |                     |       |
| Relinquished By:                    | Date:            | Time:        |                 | Received By:                    | Date:          | Time:            |       |  |      |             |          |                     |       |

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

1.6 Date Results Needed

Origins Laboratory, Inc.

*Jefe Pellegrini*

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.

CGRS, Inc  
1301 Academy Court  
Fort Collins CO 80524

Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

Origins Laboratory

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

## Sample Receipt Checklist

Origins Work Order: Y710355

Client: CGRS, Inc.

Client Project ID: Sloan 1

Checklist Completed by: JKM

Shipped Via: Pick-up

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

Date/time completed: 10/25/17 927

Airbill #: \_\_\_\_\_

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

(Describe)

Cooler Number/Temperature: 1 / 1.6 °C 1 / \_\_\_\_\_ °C 1 / \_\_\_\_\_ °C 1 / \_\_\_\_\_ °C

Thermometer ID: 1003

| 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 type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                   |
| Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.  | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" 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 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) | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                   |
| 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: JKM (Project Manager)

Date/Time Reviewed: 10/25/17

Origins Laboratory, Inc.

*Jefe Pellegrini*

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CGRS, Inc  
1301 Academy Court  
Fort Collins CO 80524

Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

**SS-North @ 8'****10/23/2017 3:30:00PM**

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

**Origins Laboratory, Inc.  
Y710355-01 (Soil)****Diesel Range Organics (DRO/TEPH) by EPA 8015C**

|                  |    |      |       |   |         |            |            |   |
|------------------|----|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | 50.0 | mg/kg | 1 | B7J2603 | 10/25/2017 | 10/26/2017 | U |
|------------------|----|------|-------|---|---------|------------|------------|---|

|                        |        |        |  |  |   |   |   |  |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 94.0 % | 59-131 |  |  | " | " | " |  |
|------------------------|--------|--------|--|--|---|---|---|--|

**GBTEX by EPA 8260C**

|                             |    |       |       |   |         |            |            |   |
|-----------------------------|----|-------|-------|---|---------|------------|------------|---|
| Gasoline Range Hydrocarbons | ND | 0.200 | mg/kg | 1 | B7J2504 | 10/25/2017 | 10/25/2017 | 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 | 111 % | 70-130 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 106 % | 70-130 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 102 % | 70-130 |  |  | " | " | " |  |

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Project Number: 16926aa  
Project: Sloan 1

**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 |
|--|--------|-----------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| <b>Batch B7J2504 - EPA 5030 (soil)</b> |        |                 |       |             |   |      |             |     |           |       |
| <b>Blank (B7J2504-BLK1)</b>            |        |                 |       |             | Prepared: 10/25/2017 Analyzed: 10/25/2017 |      |             |     |           |       |
| 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       | 62     |                 | ug/kg | 62.5        |   | 98.9 | 70-130      |     |           |       |
| Surrogate: Toluene-d8                  | 65     |                 | "     | 62.5        |   | 104  | 70-130      |     |           |       |
| Surrogate: 4-Bromofluorobenzene        | 63     |                 | "     | 62.5        |   | 100  | 70-130      |     |           |       |

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Project: Sloan 1

**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 |
|--|--------|-----------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| <b>Batch B7J2504 - EPA 5030 (soil)</b> |        |                 |       |             |   |      |             |     |           |       |
| <b>Blank (B7J2504-BLK2)</b>            |        |                 |       |             | Prepared: 10/25/2017 Analyzed: 10/25/2017 |      |             |     |           |       |
| 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       | 85     |                 | ug/kg | 62.5        |   | 136  | 70-130      |     |           |       |
| Surrogate: Toluene-d8                  | 51     |                 | "     | 62.5        |   | 82.2 | 70-130      |     |           |       |
| Surrogate: 4-Bromofluorobenzene        | 62     |                 | "     | 62.5        |   | 99.0 | 70-130      |     |           |       |

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Project: Sloan 1

**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 |
|--|--------|-----------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| <b>Batch B7J2504 - EPA 5030 (soil)</b> |        |                 |       |             |   |      |             |     |           |       |
| <b>LCS (B7J2504-BS1)</b>               |        |                 |       |             | Prepared: 10/25/2017 Analyzed: 10/25/2017 |      |             |     |           |       |
| Benzene                                | 0.112  | 0.002           | mg/kg | 0.100       |   | 112  | 77.1-124    |     |           |       |
| Toluene                                | 0.120  | 0.002           | "     | 0.100       |   | 120  | 74.5-128    |     |           |       |
| Ethylbenzene                           | 0.116  | 0.002           | "     | 0.100       |   | 116  | 66.4-127    |     |           |       |
| m,p-Xylene                             | 0.226  | 0.004           | "     | 0.200       |   | 113  | 76.6-124    |     |           |       |
| o-Xylene                               | 0.117  | 0.002           | "     | 0.100       |   | 117  | 76.6-124    |     |           |       |
| Surrogate: 1,2-Dichloroethane-d4       | 54     |                 | ug/kg | 62.5        |   | 87.0 | 70-130      |     |           |       |
| Surrogate: Toluene-d8                  | 63     |                 | "     | 62.5        |   | 101  | 70-130      |     |           |       |
| Surrogate: 4-Bromofluorobenzene        | 61     |                 | "     | 62.5        |   | 97.7 | 70-130      |     |           |       |

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Project: Sloan 1

**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 |
|--|--------|-----------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| <b>Batch B7J2504 - EPA 5030 (soil)</b> |        |                 |       |             |   |      |             |     |           |       |
| <b>LCS (B7J2504-BS2)</b>               |        |                 |       |             | Prepared: 10/25/2017 Analyzed: 10/25/2017 |      |             |     |           |       |
| Benzene                                | 0.107  | 0.002           | mg/kg | 0.100       |   | 107  | 77.1-124    |     |           |       |
| Toluene                                | 0.120  | 0.002           | "     | 0.100       |   | 120  | 74.5-128    |     |           |       |
| Ethylbenzene                           | 0.113  | 0.002           | "     | 0.100       |   | 113  | 66.4-127    |     |           |       |
| m,p-Xylene                             | 0.221  | 0.004           | "     | 0.200       |   | 111  | 76.6-124    |     |           |       |
| o-Xylene                               | 0.114  | 0.002           | "     | 0.100       |   | 114  | 76.6-124    |     |           |       |
| Surrogate: 1,2-Dichloroethane-d4       | 60     |                 | ug/kg | 62.5        |   | 96.0 | 70-130      |     |           |       |
| Surrogate: Toluene-d8                  | 62     |                 | "     | 62.5        |   | 99.6 | 70-130      |     |           |       |
| Surrogate: 4-Bromofluorobenzene        | 62     |                 | "     | 62.5        |   | 99.0 | 70-130      |     |           |       |

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**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 B7J2504 - EPA 5030 (soil)**

| Matrix Spike (B7J2504-MS1)       |       | Source: Y710327-01 |       |       | Prepared: 10/25/2017 Analyzed: 10/25/2017 |      |          |  |  |  |
|----------------------------------|-------|--------------------|-------|-------|---|------|----------|--|--|--|
| Benzene                          | 0.091 | 0.002              | mg/kg | 0.100 | ND  | 91.1 | 71.8-126 |  |  |  |
| Toluene                          | 0.117 | 0.002              | "     | 0.100 | 0.005                                     | 112  | 65.1-130 |  |  |  |
| Ethylbenzene                     | 0.095 | 0.002              | "     | 0.100 | ND  | 94.8 | 62.2-130 |  |  |  |
| m,p-Xylene                       | 0.197 | 0.004              | "     | 0.200 | ND  | 98.7 | 46.5-137 |  |  |  |
| o-Xylene                         | 0.092 | 0.002              | "     | 0.100 | ND  | 92.1 | 54.2-134 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 30    |                    | ug/kg | 62.5  |   | 47.9 | 70-130   |  |  |  |
| Surrogate: Toluene-d8            | 63    |                    | "     | 62.5  |   | 101  | 70-130   |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 61    |                    | "     | 62.5  |   | 98.0 | 70-130   |  |  |  |

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Project Number: 16926aa  
Project: Sloan 1

**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 B7J2504 - EPA 5030 (soil)**

| Matrix Spike (B7J2504-MS2)       |       | Source: Y710327-02 |       |       | Prepared: 10/25/2017 Analyzed: 10/25/2017 |      |          |  |  |  |
|----------------------------------|-------|--------------------|-------|-------|---|------|----------|--|--|--|
| Benzene                          | 0.095 | 0.002              | mg/kg | 0.100 | ND  | 94.6 | 71.8-126 |  |  |  |
| Toluene                          | 0.119 | 0.002              | "     | 0.100 | 0.007                                     | 113  | 65.1-130 |  |  |  |
| Ethylbenzene                     | 0.101 | 0.002              | "     | 0.100 | ND  | 101  | 62.2-130 |  |  |  |
| m,p-Xylene                       | 0.195 | 0.004              | "     | 0.200 | ND  | 97.7 | 46.5-137 |  |  |  |
| o-Xylene                         | 0.098 | 0.002              | "     | 0.100 | ND  | 97.5 | 54.2-134 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 55    |                    | ug/kg | 62.5  |   | 88.7 | 70-130   |  |  |  |
| Surrogate: Toluene-d8            | 62    |                    | "     | 62.5  |   | 99.3 | 70-130   |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 62    |                    | "     | 62.5  |   | 99.2 | 70-130   |  |  |  |

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1301 Academy Court  
Fort Collins CO 80524

Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

**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        |
|--|---------------------------|-----------------|-------|-------------|---|------|-------------|------|-----------|--------------|
| <b>Batch B7J2504 - EPA 5030 (soil)</b> |                           |                 |       |             |   |      |             |      |           |              |
| <b>Matrix Spike Dup (B7J2504-MSD1)</b> | <b>Source: Y710327-01</b> |                 |       |             | Prepared: 10/25/2017 Analyzed: 10/25/2017 |      |             |      |           |              |
| Benzene                                | 0.131                     | 0.002           | mg/kg | 0.100       | ND  | 131  | 71.8-126    | 35.6 | 11.3      | QM-07, QR-03 |
| Toluene                                | 0.121                     | 0.002           | "     | 0.100       | 0.005                                     | 116  | 65.1-130    | 3.28 | 15.4      |              |
| Ethylbenzene                           | 0.110                     | 0.002           | "     | 0.100       | ND  | 110  | 62.2-130    | 14.7 | 19.6      |              |
| m,p-Xylene                             | 0.217                     | 0.004           | "     | 0.200       | ND  | 108  | 46.5-137    | 9.40 | 19.2      |              |
| o-Xylene                               | 0.112                     | 0.002           | "     | 0.100       | ND  | 112  | 54.2-134    | 19.3 | 17.9      | QR-02        |
| Surrogate: 1,2-Dichloroethane-d4       | 78                        |                 | ug/kg | 62.5        |   | 124  | 70-130      |      |           |              |
| Surrogate: Toluene-d8                  | 61                        |                 | "     | 62.5        |   | 98.3 | 70-130      |      |           |              |
| Surrogate: 4-Bromofluorobenzene        | 62                        |                 | "     | 62.5        |   | 98.5 | 70-130      |      |           |              |

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**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 B7J2504 - EPA 5030 (soil)  |        |                    |       |             |   |      |             |       |           |              |
| Matrix Spike Dup (B7J2504-MSD2)  |        | Source: Y710327-02 |       |             | Prepared: 10/25/2017 Analyzed: 10/25/2017 |      |             |       |           |              |
| Benzene                          | 0.094  | 0.002              | mg/kg | 0.100       | ND  | 94.2 | 71.8-126    | 0.424 | 11.3      |              |
| Toluene                          | 0.116  | 0.002              | "     | 0.100       | 0.007                                     | 109  | 65.1-130    | 2.94  | 15.4      |              |
| Ethylbenzene                     | 0.132  | 0.002              | "     | 0.100       | ND  | 132  | 62.2-130    | 27.3  | 19.6      | QM-07, QR-03 |
| m,p-Xylene                       | 0.265  | 0.004              | "     | 0.200       | ND  | 133  | 46.5-137    | 30.4  | 19.2      | QR-02        |
| o-Xylene                         | 0.131  | 0.002              | "     | 0.100       | ND  | 131  | 54.2-134    | 29.5  | 17.9      | QR-02        |
| Surrogate: 1,2-Dichloroethane-d4 | 58     |                    | ug/kg | 62.5        |   | 93.2 | 70-130      |       |           |              |
| Surrogate: Toluene-d8            | 62     |                    | "     | 62.5        |   | 99.4 | 70-130      |       |           |              |
| Surrogate: 4-Bromofluorobenzene  | 61     |                    | "     | 62.5        |   | 96.9 | 70-130      |       |           |              |

Origins Laboratory, Inc.

Jose Pellegrini

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Project Number: 16926aa  
Project: Sloan 1

**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 B7J2603 - EPA 3550B**

**Blank (B7J2603-BLK1)**

Prepared: 10/26/2017 Analyzed: 10/27/2017

|                        |    |      |       |      |  |      |        |  |  |   |
|------------------------|----|------|-------|------|--|------|--------|--|--|---|
| Diesel (C10-C28)       | ND | 50.0 | mg/kg |      |  |      |        |  |  | U |
| Surrogate: o-Terphenyl | 33 |      | "     | 50.0 |  | 65.8 | 59-131 |  |  |   |

**LCS (B7J2603-BS1)**

Prepared: 10/26/2017 Analyzed: 10/27/2017

|                        |     |      |       |      |  |      |        |  |  |  |
|------------------------|-----|------|-------|------|--|------|--------|--|--|--|
| Diesel (C10-C28)       | 985 | 50.0 | mg/kg | 1000 |  | 98.5 | 64-121 |  |  |  |
| Surrogate: o-Terphenyl | 50  |      | "     | 50.0 |  | 100  | 59-131 |  |  |  |

**Matrix Spike (B7J2603-MS1)**

**Source: Y710322-03**

Prepared: 10/26/2017 Analyzed: 10/27/2017

|                        |     |      |       |      |  |      |        |  |  |  |
|------------------------|-----|------|-------|------|--|------|--------|--|--|--|
| Diesel (C10-C28)       | 958 | 50.0 | mg/kg | 1000 |  | 95.8 | 53-125 |  |  |  |
| Surrogate: o-Terphenyl | 46  |      | "     | 50.0 |  | 91.4 | 59-131 |  |  |  |

**Matrix Spike Dup (B7J2603-MSD1)**

**Source: Y710322-03**

Prepared: 10/26/2017 Analyzed: 10/27/2017

|                        |      |      |       |      |  |     |        |      |    |  |
|------------------------|------|------|-------|------|--|-----|--------|------|----|--|
| Diesel (C10-C28)       | 1040 | 50.0 | mg/kg | 1000 |  | 104 | 53-125 | 8.38 | 20 |  |
| Surrogate: o-Terphenyl | 51   |      | "     | 50.0 |  | 103 | 59-131 |      |    |  |

Origins Laboratory, Inc.



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CGRS, Inc  
1301 Academy Court  
Fort Collins CO 80524

Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

## Notes and Definitions

U Sample is Non-Detect.

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.

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

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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November 01, 2017

CGRS, Inc

Craig Mulica

1301 Academy Court

Fort Collins CO 80524

Project Name - Sloan 1

Project Number - 16926aa

Attached are your analytical results for Sloan 1 received by Origins Laboratory, Inc. October 26, 2017. This project is associated with Origins project number Y710390-01.

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



CGRS, Inc

1301 Academy Court

Fort Collins CO 80524

Craig Mulica

Project Number: 16926aa

Project: Sloan 1

## CROSS REFERENCE REPORT

| Sample ID  | Laboratory ID | Matrix | Date Sampled           | Date Received    |
|------------|---------------|--------|------------------------|------------------|
| SS-East@7' | Y710390-01    | Soil   | October 25, 2017 12:00 | 10/26/2017 09:55 |
| SS-West@7' | Y710390-02    | Soil   | October 25, 2017 12:30 | 10/26/2017 09:55 |

Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President

CGRS, Inc  
1301 Academy Court  
Fort Collins CO 80524

Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

www.originslaboratory.com

710390

page of

**ORIGINS**  
LABORATORY, INC

Client: CGRS  
Address: 1301 ACADEMY CT 80525  
Telephone Number:  
Email Address: CRAIG@CGRS.COM  
Project Manager: CRAIG MULICA  
Project Name: SLOAN 1  
Project Number: 16926aa  
Samples Collected By: ELIZABETH WILSON

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

| Sample ID Description | Date Sampled | Time Sampled | Preservative |     |                  |       | Matrix      |      |                      | Analysis |      |      | Sample Instructions |      |
|-----------------------|--------------|--------------|--------------|-----|------------------|-------|-------------|------|----------------------|----------|------|------|---------------------|------|
|                       |              |              | Unpreserved  | HCl | HNO <sub>3</sub> | Other | Groundwater | Soil | Air Summa Canister # | Other    | TEPH | TEPH |                     | TEPH |
| SS-EAST @ 7'          | 10/25/17     | 12:00        | 2            | X   |                  |       |             |      |                      | X        |      |      |                     | 1    |
| SS-WEST @ 7'          | 10/25/17     | 12:30        | 2            | X   |                  |       |             |      | X                    |          |      |      |                     | 2    |
|                       |              |              |              |     |                  |       |             |      |                      |          |      |      |                     | 3    |
|                       |              |              |              |     |                  |       |             |      |                      |          |      |      |                     | 4    |
|                       |              |              |              |     |                  |       |             |      |                      |          |      |      |                     | 5    |
|                       |              |              |              |     |                  |       |             |      |                      |          |      |      |                     | 6    |
|                       |              |              |              |     |                  |       |             |      |                      |          |      |      |                     | 7    |
|                       |              |              |              |     |                  |       |             |      |                      |          |      |      |                     | 8    |
|                       |              |              |              |     |                  |       |             |      |                      |          |      |      |                     | 9    |
|                       |              |              |              |     |                  |       |             |      |                      |          |      |      |                     | 10   |

  

|                                      |                   |                |                             |                   |               |   |
|--------------------------------------|-------------------|----------------|-----------------------------|-------------------|---------------|---|
| Relinquished By:<br>Elizabeth Wilson | Date:<br>10/26/17 | Time:<br>09:55 | Received By:<br>[Signature] | Date:<br>10/26/17 | Time:<br>9:55 | Turnaround Time:<br>Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/><br>48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/><br>Standard <input checked="" type="checkbox"/> |
| Relinquished By:                     | Date:             | Time:          | Received By:                | Date:             | Time:         |   |

Temp Received: 21 Date Results Needed

Origins Laboratory, Inc.

*Jefe Pellegrini*

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CGRS, Inc

1301 Academy Court

Fort Collins CO 80524

Craig Mulica

Project Number: 16926aa

Project: Sloan 1

Origins Laboratory

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

## Sample Receipt Checklist

Origins Work Order: Y710390

Client: CGRS, Inc

Client Project ID: Sloan 1

Checklist Completed by: Dmly

Shipped Via: Pick-up

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

Date/time completed: 6-26-11 1332

Airbill #: NA

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

Cooler Number/Temperature: 1 2.1 °C 1 °C 1 °C (Describe) 1 °C

Thermometer ID: 1603

| 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 type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                   |
| Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                   |
| For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.  | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" 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 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) | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                   |
| 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) JP

Date/Time Reviewed 10/27/17

Origins Laboratory, Inc.

*Jefe Pellegrini*

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CGRS, Inc  
1301 Academy Court  
Fort Collins CO 80524

Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

**SS-East@7'****10/25/2017 12:00:00PM**

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

**Origins Laboratory, Inc.**  
**Y710390-01 (Soil)****BTEX by EPA 8260C**

|                |    |       |       |   |         |            |            |   |
|----------------|----|-------|-------|---|---------|------------|------------|---|
| Benzene        | ND | 0.002 | mg/kg | 1 | B7J3103 | 10/31/2017 | 11/01/2017 | 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            | 97.5 % | 70-130 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 101 %  | 70-130 |  |  | " | " | " |  |

**GRO (TVPH)/DRO (TEPH)by EPA 8015C**

|                   |    |      |       |   |         |            |            |   |
|-------------------|----|------|-------|---|---------|------------|------------|---|
| Gasoline (C6-C10) | ND | 50.0 | mg/kg | 1 | B7J3104 | 10/31/2017 | 11/01/2017 | U |
| Diesel (C10-C28)  | ND | 50.0 | "     | " | "       | "          | 10/31/2017 | U |

|                        |        |        |  |  |   |   |   |  |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 84.9 % | 59-131 |  |  | " | " | " |  |
|------------------------|--------|--------|--|--|---|---|---|--|

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1301 Academy Court  
Fort Collins CO 80524

Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

**SS-West@7'****10/25/2017 12:30:00PM**

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

**Origins Laboratory, Inc.  
Y710390-02 (Soil)****BTEX by EPA 8260C**

|                |    |       |       |   |         |            |            |   |
|----------------|----|-------|-------|---|---------|------------|------------|---|
| Benzene        | ND | 0.002 | mg/kg | 1 | B7J3103 | 10/31/2017 | 11/01/2017 | U |
| Toluene        | ND | 0.002 | "     | " | "       | "          | "          | U |
| Ethylbenzene   | ND | 0.002 | "     | " | "       | "          | "          | U |
| Xylenes, total | ND | 0.002 | "     | " | "       | "          | "          | U |

|                                  |        |        |  |  |   |   |   |  |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 109 %  | 70-130 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 95.5 % | 70-130 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 99.5 % | 70-130 |  |  | " | " | " |  |

**GRO (TVPH)/DRO (TEPH)by EPA 8015C**

|                   |    |      |       |   |         |            |            |   |
|-------------------|----|------|-------|---|---------|------------|------------|---|
| Gasoline (C6-C10) | ND | 50.0 | mg/kg | 1 | B7J3104 | 10/31/2017 | 11/01/2017 | U |
| Diesel (C10-C28)  | ND | 50.0 | "     | " | "       | "          | "          | U |

|                        |        |        |  |  |   |   |   |  |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 59.3 % | 59-131 |  |  | " | " | " |  |
|------------------------|--------|--------|--|--|---|---|---|--|

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1301 Academy Court  
Fort Collins CO 80524

Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

**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 |
|--|--------|-----------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| <b>Batch B7J3103 - EPA 5030 (soil)</b> |        |                 |       |             |   |      |             |     |           |       |
| <b>Blank (B7J3103-BLK1)</b>            |        |                 |       |             | Prepared: 10/31/2017 Analyzed: 10/31/2017 |      |             |     |           |       |
| Benzene                                | ND     | 0.002           | mg/kg |             |   |      |             |     |           | U     |
| Toluene                                | ND     | 0.002           | "     |             |   |      |             |     |           | U     |
| Ethylbenzene                           | ND     | 0.002           | "     |             |   |      |             |     |           | U     |
| Xylenes, total                         | ND     | 0.002           | "     |             |   |      |             |     |           | U     |
| Surrogate: 1,2-Dichloroethane-d4       | 77     |                 | ug/kg | 62.5        | 123                                       |      | 70-130      |     |           |       |
| Surrogate: Toluene-d8                  | 59     |                 | "     | 62.5        | 95.1                                      |      | 70-130      |     |           |       |
| Surrogate: 4-Bromofluorobenzene        | 64     |                 | "     | 62.5        | 102                                       |      | 70-130      |     |           |       |

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1301 Academy Court  
Fort Collins CO 80524

Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

**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 B7J3103 - EPA 5030 (soil)**

**Blank (B7J3103-BLK2)**

Prepared: 10/31/2017 Analyzed: 10/31/2017

|                                  |    |       |       |      |      |  |        |  |  |   |
|----------------------------------|----|-------|-------|------|------|--|--------|--|--|---|
| Benzene                          | ND | 0.002 | mg/kg |      |      |  |        |  |  | U |
| Toluene                          | ND | 0.002 | "     |      |      |  |        |  |  | U |
| Ethylbenzene                     | ND | 0.002 | "     |      |      |  |        |  |  | U |
| Xylenes, total                   | ND | 0.002 | "     |      |      |  |        |  |  | U |
| Surrogate: 1,2-Dichloroethane-d4 | 73 |       | ug/kg | 62.5 | 117  |  | 70-130 |  |  |   |
| Surrogate: Toluene-d8            | 61 |       | "     | 62.5 | 97.4 |  | 70-130 |  |  |   |
| Surrogate: 4-Bromofluorobenzene  | 65 |       | "     | 62.5 | 104  |  | 70-130 |  |  |   |

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CGRS, Inc  
1301 Academy Court  
Fort Collins CO 80524

Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

**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 |
|--|--------|-----------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| <b>Batch B7J3103 - EPA 5030 (soil)</b> |        |                 |       |             |   |      |             |     |           |       |
| <b>LCS (B7J3103-BS1)</b>               |        |                 |       |             | Prepared: 10/31/2017 Analyzed: 10/31/2017 |      |             |     |           |       |
| Benzene                                | 0.097  | 0.002           | mg/kg | 0.100       |   | 97.1 | 77.1-124    |     |           |       |
| Toluene                                | 0.091  | 0.002           | "     | 0.100       |   | 91.0 | 74.5-128    |     |           |       |
| Ethylbenzene                           | 0.097  | 0.002           | "     | 0.100       |   | 96.7 | 66.4-127    |     |           |       |
| m,p-Xylene                             | 0.198  | 0.004           | "     | 0.200       |   | 99.1 | 76.6-124    |     |           |       |
| o-Xylene                               | 0.100  | 0.002           | "     | 0.100       |   | 99.6 | 76.6-124    |     |           |       |
| Surrogate: 1,2-Dichloroethane-d4       | 73     |                 | ug/kg | 62.5        |   | 117  | 70-130      |     |           |       |
| Surrogate: Toluene-d8                  | 60     |                 | "     | 62.5        |   | 96.8 | 70-130      |     |           |       |
| Surrogate: 4-Bromofluorobenzene        | 63     |                 | "     | 62.5        |   | 100  | 70-130      |     |           |       |

Origins Laboratory, Inc.



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CGRS, Inc  
1301 Academy Court  
Fort Collins CO 80524

Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

**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 |
|--|--------|-----------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| <b>Batch B7J3103 - EPA 5030 (soil)</b> |        |                 |       |             |   |      |             |     |           |       |
| <b>LCS (B7J3103-BS2)</b>               |        |                 |       |             | Prepared: 10/31/2017 Analyzed: 10/31/2017 |      |             |     |           |       |
| Benzene                                | 0.110  | 0.002           | mg/kg | 0.100       |   | 110  | 77.1-124    |     |           |       |
| Toluene                                | 0.105  | 0.002           | "     | 0.100       |   | 105  | 74.5-128    |     |           |       |
| Ethylbenzene                           | 0.111  | 0.002           | "     | 0.100       |   | 111  | 66.4-127    |     |           |       |
| m,p-Xylene                             | 0.223  | 0.004           | "     | 0.200       |   | 112  | 76.6-124    |     |           |       |
| o-Xylene                               | 0.111  | 0.002           | "     | 0.100       |   | 111  | 76.6-124    |     |           |       |
| Surrogate: 1,2-Dichloroethane-d4       | 67     |                 | ug/kg | 62.5        |   | 108  | 70-130      |     |           |       |
| Surrogate: Toluene-d8                  | 62     |                 | "     | 62.5        |   | 99.0 | 70-130      |     |           |       |
| Surrogate: 4-Bromofluorobenzene        | 62     |                 | "     | 62.5        |   | 98.8 | 70-130      |     |           |       |

Origins Laboratory, Inc.



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CGRS, Inc  
1301 Academy Court  
Fort Collins CO 80524

Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

**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 B7J3103 - EPA 5030 (soil)**

| Matrix Spike (B7J3103-MS1)       |       | Source: Y710386-01 |       |       | Prepared: 10/31/2017 Analyzed: 10/31/2017 |      |          |  |  |  |
|----------------------------------|-------|--------------------|-------|-------|---|------|----------|--|--|--|
| Benzene                          | 0.093 | 0.002              | mg/kg | 0.100 | ND  | 93.0 | 71.8-126 |  |  |  |
| Toluene                          | 0.084 | 0.002              | "     | 0.100 | 0.002                                     | 82.0 | 65.1-130 |  |  |  |
| Ethylbenzene                     | 0.084 | 0.002              | "     | 0.100 | ND  | 83.8 | 62.2-130 |  |  |  |
| m,p-Xylene                       | 0.166 | 0.004              | "     | 0.200 | ND  | 83.2 | 46.5-137 |  |  |  |
| o-Xylene                         | 0.084 | 0.002              | "     | 0.100 | ND  | 83.6 | 54.2-134 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 65    |                    | ug/kg | 62.5  |   | 104  | 70-130   |  |  |  |
| Surrogate: Toluene-d8            | 62    |                    | "     | 62.5  |   | 98.6 | 70-130   |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 66    |                    | "     | 62.5  |   | 106  | 70-130   |  |  |  |

Origins Laboratory, Inc.



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CGRS, Inc  
1301 Academy Court  
Fort Collins CO 80524

Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

**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 B7J3103 - EPA 5030 (soil)**

| Matrix Spike (B7J3103-MS2)       |       | Source: Y710362-01 |       |       | Prepared: 10/31/2017 Analyzed: 11/01/2017 |      |          |  |  |  |
|----------------------------------|-------|--------------------|-------|-------|---|------|----------|--|--|--|
| Benzene                          | 0.115 | 0.002              | mg/kg | 0.100 | ND  | 115  | 71.8-126 |  |  |  |
| Toluene                          | 0.108 | 0.002              | "     | 0.100 | ND  | 108  | 65.1-130 |  |  |  |
| Ethylbenzene                     | 0.118 | 0.002              | "     | 0.100 | ND  | 118  | 62.2-130 |  |  |  |
| m,p-Xylene                       | 0.236 | 0.004              | "     | 0.200 | ND  | 118  | 46.5-137 |  |  |  |
| o-Xylene                         | 0.115 | 0.002              | "     | 0.100 | ND  | 115  | 54.2-134 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 66    |                    | ug/kg | 62.5  |   | 105  | 70-130   |  |  |  |
| Surrogate: Toluene-d8            | 60    |                    | "     | 62.5  |   | 96.4 | 70-130   |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 61    |                    | "     | 62.5  |   | 98.0 | 70-130   |  |  |  |

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.

CGRS, Inc  
1301 Academy Court  
Fort Collins CO 80524

Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

**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 B7J3103 - EPA 5030 (soil)**

| Matrix Spike Dup (B7J3103-MSD1)  |       | Source: Y710386-01 |       |       | Prepared: 10/31/2017 Analyzed: 10/31/2017 |      |          |      |      |  |
|----------------------------------|-------|--------------------|-------|-------|---|------|----------|------|------|--|
| Benzene                          | 0.098 | 0.002              | mg/kg | 0.100 | ND  | 97.9 | 71.8-126 | 5.11 | 11.3 |  |
| Toluene                          | 0.089 | 0.002              | "     | 0.100 | 0.002                                     | 87.7 | 65.1-130 | 6.68 | 15.4 |  |
| Ethylbenzene                     | 0.087 | 0.002              | "     | 0.100 | ND  | 86.9 | 62.2-130 | 3.61 | 19.6 |  |
| m,p-Xylene                       | 0.174 | 0.004              | "     | 0.200 | ND  | 87.0 | 46.5-137 | 4.49 | 19.2 |  |
| o-Xylene                         | 0.088 | 0.002              | "     | 0.100 | ND  | 88.4 | 54.2-134 | 5.58 | 17.9 |  |
| Surrogate: 1,2-Dichloroethane-d4 | 64    |                    | ug/kg | 62.5  |   | 103  | 70-130   |      |      |  |
| Surrogate: Toluene-d8            | 60    |                    | "     | 62.5  |   | 96.3 | 70-130   |      |      |  |
| Surrogate: 4-Bromofluorobenzene  | 65    |                    | "     | 62.5  |   | 103  | 70-130   |      |      |  |

Origins Laboratory, Inc.



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CGRS, Inc  
1301 Academy Court  
Fort Collins CO 80524

Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

**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 B7J3103 - EPA 5030 (soil)**

| Matrix Spike Dup (B7J3103-MSD2)  |       | Source: Y710362-01 |       |       | Prepared: 10/31/2017 Analyzed: 10/31/2017 |      |          |      |      |       |
|----------------------------------|-------|--------------------|-------|-------|---|------|----------|------|------|-------|
| Benzene                          | 0.102 | 0.002              | mg/kg | 0.100 | ND  | 102  | 71.8-126 | 12.6 | 11.3 | QR-03 |
| Toluene                          | 0.096 | 0.002              | "     | 0.100 | ND  | 96.2 | 65.1-130 | 11.8 | 15.4 |       |
| Ethylbenzene                     | 0.100 | 0.002              | "     | 0.100 | ND  | 100  | 62.2-130 | 16.3 | 19.6 |       |
| m,p-Xylene                       | 0.203 | 0.004              | "     | 0.200 | ND  | 102  | 46.5-137 | 14.9 | 19.2 |       |
| o-Xylene                         | 0.101 | 0.002              | "     | 0.100 | ND  | 101  | 54.2-134 | 13.5 | 17.9 |       |
| Surrogate: 1,2-Dichloroethane-d4 | 67    |                    | ug/kg | 62.5  |   | 107  | 70-130   |      |      |       |
| Surrogate: Toluene-d8            | 60    |                    | "     | 62.5  |   | 95.4 | 70-130   |      |      |       |
| Surrogate: 4-Bromofluorobenzene  | 62    |                    | "     | 62.5  |   | 99.8 | 70-130   |      |      |       |

Origins Laboratory, Inc.



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CGRS, Inc  
1301 Academy Court  
Fort Collins CO 80524

Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

**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 B7J3104 - EPA 3550B**

**Blank (B7J3104-BLK1)**

Prepared: 10/31/2017 Analyzed: 11/01/2017

|                        |    |      |       |      |  |      |        |  |  |   |
|------------------------|----|------|-------|------|--|------|--------|--|--|---|
| Gasoline (C6-C10)      | ND | 50.0 | mg/kg |      |  |      |        |  |  | U |
| Diesel (C10-C28)       | ND | 50.0 | "     |      |  |      |        |  |  | U |
| Surrogate: o-Terphenyl | 33 |      | "     | 50.0 |  | 66.8 | 59-131 |  |  |   |

**Blank (B7J3104-BLK2)**

Prepared: 10/31/2017 Analyzed: 11/01/2017

|                        |    |      |       |      |  |      |        |  |  |   |
|------------------------|----|------|-------|------|--|------|--------|--|--|---|
| Gasoline (C6-C10)      | ND | 50.0 | mg/kg |      |  |      |        |  |  | U |
| Diesel (C10-C28)       | ND | 50.0 | "     |      |  |      |        |  |  | U |
| Surrogate: o-Terphenyl | 40 |      | "     | 50.0 |  | 80.8 | 59-131 |  |  |   |

**LCS (B7J3104-BS1)**

Prepared: 10/31/2017 Analyzed: 10/31/2017

|                        |     |      |       |      |  |      |        |  |  |  |
|------------------------|-----|------|-------|------|--|------|--------|--|--|--|
| Gasoline (C6-C10)      | 869 | 50.0 | mg/kg | 1000 |  | 86.9 | 59-133 |  |  |  |
| Diesel (C10-C28)       | 834 | 50.0 | "     | 1000 |  | 83.4 | 64-121 |  |  |  |
| Surrogate: o-Terphenyl | 47  |      | "     | 50.0 |  | 93.7 | 59-131 |  |  |  |

**LCS (B7J3104-BS2)**

Prepared: 10/31/2017 Analyzed: 11/01/2017

|                        |     |      |       |      |  |      |        |  |  |  |
|------------------------|-----|------|-------|------|--|------|--------|--|--|--|
| Gasoline (C6-C10)      | 762 | 50.0 | mg/kg | 1000 |  | 76.2 | 59-133 |  |  |  |
| Diesel (C10-C28)       | 744 | 50.0 | "     | 1000 |  | 74.4 | 64-121 |  |  |  |
| Surrogate: o-Terphenyl | 42  |      | "     | 50.0 |  | 84.8 | 59-131 |  |  |  |

**Matrix Spike (B7J3104-MS1)**

Source: Y710362-01

Prepared: 10/31/2017 Analyzed: 10/31/2017

|                   |     |      |       |      |    |      |        |  |  |  |
|-------------------|-----|------|-------|------|----|------|--------|--|--|--|
| Gasoline (C6-C10) | 824 | 50.0 | mg/kg | 1000 | ND | 82.4 | 57-139 |  |  |  |
| Diesel (C10-C28)  | 818 | 50.0 | "     | 1000 | ND | 81.8 | 53-125 |  |  |  |

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CGRS, Inc  
1301 Academy Court  
Fort Collins CO 80524

Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

## 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 |
|--|--------|---------------------------|-------|-------------|---|------|-------------|------|-----------|-------|
| <b>Batch B7J3104 - EPA 3550B</b>       |        |                           |       |             |   |      |             |      |           |       |
| <b>Matrix Spike (B7J3104-MS1)</b>      |        | <b>Source: Y710362-01</b> |       |             | Prepared: 10/31/2017 Analyzed: 10/31/2017 |      |             |      |           |       |
| Surrogate: o-Terphenyl                 | 46     |                           | mg/kg | 50.0        |   | 91.5 | 59-131      |      |           |       |
| <b>Matrix Spike (B7J3104-MS2)</b>      |        | <b>Source: Y710386-01</b> |       |             | Prepared: 10/31/2017 Analyzed: 11/01/2017 |      |             |      |           |       |
| Gasoline (C6-C10)                      | 646    | 50.0                      | mg/kg | 1000        | ND  | 64.6 | 57-139      |      |           |       |
| Diesel (C10-C28)                       | 853    | 50.0                      | "     | 1000        | 176                                       | 67.7 | 53-125      |      |           |       |
| Surrogate: o-Terphenyl                 | 40     |                           | "     | 50.0        |   | 79.9 | 59-131      |      |           |       |
| <b>Matrix Spike Dup (B7J3104-MSD1)</b> |        | <b>Source: Y710362-01</b> |       |             | Prepared: 10/31/2017 Analyzed: 10/31/2017 |      |             |      |           |       |
| Gasoline (C6-C10)                      | 795    | 50.0                      | mg/kg | 1000        | ND  | 79.5 | 57-139      | 3.65 | 20        |       |
| Diesel (C10-C28)                       | 769    | 50.0                      | "     | 1000        | ND  | 76.9 | 53-125      | 6.28 | 20        |       |
| Surrogate: o-Terphenyl                 | 44     |                           | "     | 50.0        |   | 88.9 | 59-131      |      |           |       |
| <b>Matrix Spike Dup (B7J3104-MSD2)</b> |        | <b>Source: Y710386-01</b> |       |             | Prepared: 10/31/2017 Analyzed: 11/01/2017 |      |             |      |           |       |
| Gasoline (C6-C10)                      | 799    | 50.0                      | mg/kg | 1000        | ND  | 79.9 | 57-139      | 21.2 | 20        | QR-02 |
| Diesel (C10-C28)                       | 973    | 50.0                      | "     | 1000        | 176                                       | 79.7 | 53-125      | 13.2 | 20        |       |
| Surrogate: o-Terphenyl                 | 46     |                           | "     | 50.0        |   | 91.8 | 59-131      |      |           |       |

Origins Laboratory, Inc.



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CGRS, Inc  
1301 Academy Court  
Fort Collins CO 80524

Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

## Notes and Definitions

U Sample is Non-Detect.

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.

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.

Origins Laboratory, Inc.



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November 01, 2017

CGRS, Inc

Craig Mulica

1301 Academy Court

Fort Collins CO 80524

Project Name - Sloan 1

Project Number - 16926aa

Attached are your analytical results for Sloan 1 received by Origins Laboratory, Inc. October 31, 2017. This project is associated with Origins project number Y710459-01.

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



CGRS, Inc

1301 Academy Court

Fort Collins CO 80524

Craig Mulica

Project Number: 16926aa

Project: Sloan 1

## CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled           | Date Received    |
|-----------|---------------|--------|------------------------|------------------|
| SS-41@7'  | Y710459-01    | Soil   | October 31, 2017 13:30 | 10/31/2017 15:55 |

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.*

Jen Pellegrini For Noelle Doyle Mathis, President





CGRS, Inc  
1301 Academy Court  
Fort Collins CO 80524

Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

Origins Laboratory

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

## Sample Receipt Checklist

Origins Work Order: 1710459 Client: CGRS, Inc  
Client Project ID: Sloan 1  
Checklist Completed by: Don Lu Shipped Via: 4D  
(UPS, FedEx, Hand Delivered, Pick-up, etc.)  
Date/time completed: 10-10-31-11 1559 Airbill #: N/A  
Matrix(s) Received: (Check all that apply): ☒ Soil/Solid ☐ Water ☐ Other: \_\_\_\_\_  
(Describe)  
Cooler Number/Temperature: ☒ / 17.3 °C ☐ / \_\_\_\_\_ °C ☐ / \_\_\_\_\_ °C  
Thermometer ID: 1203

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

10-31-11 1558  
Date/Time Reviewed

Origins Laboratory, Inc.

*Jefe Pellegrini*

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CGRS, Inc  
1301 Academy Court  
Fort Collins CO 80524

Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

SS-41@7'

10/31/2017 1:30:00PM

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

Origins Laboratory, Inc.  
Y710459-01 (Soil)

**BTEX by EPA 8260C**

|                |       |       |       |   |         |            |            |   |
|----------------|-------|-------|-------|---|---------|------------|------------|---|
| Benzene        | ND    | 0.002 | mg/kg | 1 | B7J3103 | 10/31/2017 | 10/31/2017 | U |
| Toluene        | ND    | 0.002 | "     | " | "       | "          | "          | U |
| Ethylbenzene   | 0.003 | 0.002 | "     | " | "       | "          | "          |   |
| Xylenes, total | ND    | 0.002 | "     | " | "       | "          | "          | U |

|                                  |        |        |  |  |   |   |   |  |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 115 %  | 70-130 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 94.9 % | 70-130 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 102 %  | 70-130 |  |  | " | " | " |  |

**GRO (TVPH)/DRO (TEPH)by EPA 8015C**

|                   |    |      |       |   |         |            |            |   |
|-------------------|----|------|-------|---|---------|------------|------------|---|
| Gasoline (C6-C10) | ND | 50.0 | mg/kg | 1 | B7J3104 | 10/31/2017 | 10/31/2017 | U |
| Diesel (C10-C28)  | ND | 50.0 | "     | " | "       | "          | "          | U |

|                        |        |        |  |  |   |   |   |  |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 84.9 % | 59-131 |  |  | " | " | " |  |
|------------------------|--------|--------|--|--|---|---|---|--|

Origins Laboratory, Inc.



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1301 Academy Court  
Fort Collins CO 80524

Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

**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 |
|--|--------|-----------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| <b>Batch B7J3103 - EPA 5030 (soil)</b> |        |                 |       |             |   |      |             |     |           |       |
| <b>Blank (B7J3103-BLK1)</b>            |        |                 |       |             | Prepared: 10/31/2017 Analyzed: 10/31/2017 |      |             |     |           |       |
| Benzene                                | ND     | 0.002           | mg/kg |             |   |      |             |     |           | U     |
| Toluene                                | ND     | 0.002           | "     |             |   |      |             |     |           | U     |
| Ethylbenzene                           | ND     | 0.002           | "     |             |   |      |             |     |           | U     |
| Xylenes, total                         | ND     | 0.002           | "     |             |   |      |             |     |           | U     |
| Surrogate: 1,2-Dichloroethane-d4       | 77     |                 | ug/kg | 62.5        | 123                                       |      | 70-130      |     |           |       |
| Surrogate: Toluene-d8                  | 59     |                 | "     | 62.5        | 95.1                                      |      | 70-130      |     |           |       |
| Surrogate: 4-Bromofluorobenzene        | 64     |                 | "     | 62.5        | 102                                       |      | 70-130      |     |           |       |

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CGRS, Inc  
1301 Academy Court  
Fort Collins CO 80524

Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

**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 |
|--|--------|-----------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| <b>Batch B7J3103 - EPA 5030 (soil)</b> |        |                 |       |             |   |      |             |     |           |       |
| <b>LCS (B7J3103-BS1)</b>               |        |                 |       |             | Prepared: 10/31/2017 Analyzed: 10/31/2017 |      |             |     |           |       |
| Benzene                                | 0.097  | 0.002           | mg/kg | 0.100       |   | 97.1 | 77.1-124    |     |           |       |
| Toluene                                | 0.091  | 0.002           | "     | 0.100       |   | 91.0 | 74.5-128    |     |           |       |
| Ethylbenzene                           | 0.097  | 0.002           | "     | 0.100       |   | 96.7 | 66.4-127    |     |           |       |
| m,p-Xylene                             | 0.198  | 0.004           | "     | 0.200       |   | 99.1 | 76.6-124    |     |           |       |
| o-Xylene                               | 0.100  | 0.002           | "     | 0.100       |   | 99.6 | 76.6-124    |     |           |       |
| Surrogate: 1,2-Dichloroethane-d4       | 73     |                 | ug/kg | 62.5        |   | 117  | 70-130      |     |           |       |
| Surrogate: Toluene-d8                  | 60     |                 | "     | 62.5        |   | 96.8 | 70-130      |     |           |       |
| Surrogate: 4-Bromofluorobenzene        | 63     |                 | "     | 62.5        |   | 100  | 70-130      |     |           |       |

Origins Laboratory, Inc.



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CGRS, Inc  
1301 Academy Court  
Fort Collins CO 80524

Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

**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 B7J3103 - EPA 5030 (soil)**

| Matrix Spike (B7J3103-MS1)       |       | Source: Y710386-01 |       |       | Prepared: 10/31/2017 Analyzed: 10/31/2017 |      |          |  |  |  |
|----------------------------------|-------|--------------------|-------|-------|---|------|----------|--|--|--|
| Benzene                          | 0.093 | 0.002              | mg/kg | 0.100 |   | 93.0 | 71.8-126 |  |  |  |
| Toluene                          | 0.084 | 0.002              | "     | 0.100 |   | 83.7 | 65.1-130 |  |  |  |
| Ethylbenzene                     | 0.084 | 0.002              | "     | 0.100 |   | 83.8 | 62.2-130 |  |  |  |
| m,p-Xylene                       | 0.166 | 0.004              | "     | 0.200 |   | 83.2 | 46.5-137 |  |  |  |
| o-Xylene                         | 0.084 | 0.002              | "     | 0.100 |   | 83.6 | 54.2-134 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 65    |                    | ug/kg | 62.5  |   | 104  | 70-130   |  |  |  |
| Surrogate: Toluene-d8            | 62    |                    | "     | 62.5  |   | 98.6 | 70-130   |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 66    |                    | "     | 62.5  |   | 106  | 70-130   |  |  |  |

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CGRS, Inc  
1301 Academy Court  
Fort Collins CO 80524

Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

**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                                     |
|--|--------|-----------------|-------|-------------|---------------------------|------|-------------|------|-----------|---|
| <b>Batch B7J3103 - EPA 5030 (soil)</b> |        |                 |       |             |                           |      |             |      |           |   |
| <b>Matrix Spike Dup (B7J3103-MSD1)</b> |        |                 |       |             | <b>Source: Y710386-01</b> |      |             |      |           | Prepared: 10/31/2017 Analyzed: 10/31/2017 |
| Benzene                                | 0.098  | 0.002           | mg/kg | 0.100       |                           | 97.9 | 71.8-126    | 5.11 | 11.3      |   |
| Toluene                                | 0.089  | 0.002           | "     | 0.100       |                           | 89.4 | 65.1-130    | 6.68 | 15.4      |   |
| Ethylbenzene                           | 0.087  | 0.002           | "     | 0.100       |                           | 86.9 | 62.2-130    | 3.61 | 19.6      |   |
| m,p-Xylene                             | 0.174  | 0.004           | "     | 0.200       |                           | 87.0 | 46.5-137    | 4.49 | 19.2      |   |
| o-Xylene                               | 0.088  | 0.002           | "     | 0.100       |                           | 88.4 | 54.2-134    | 5.58 | 17.9      |   |
| Surrogate: 1,2-Dichloroethane-d4       | 64     |                 | ug/kg | 62.5        |                           | 103  | 70-130      |      |           |   |
| Surrogate: Toluene-d8                  | 60     |                 | "     | 62.5        |                           | 96.3 | 70-130      |      |           |   |
| Surrogate: 4-Bromofluorobenzene        | 65     |                 | "     | 62.5        |                           | 103  | 70-130      |      |           |   |

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Fort Collins CO 80524

Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

**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 B7J3104 - EPA 3550B**

**Blank (B7J3104-BLK1)**

Prepared: 10/31/2017 Analyzed: 11/01/2017

|                        |    |      |       |      |  |      |        |  |  |   |
|------------------------|----|------|-------|------|--|------|--------|--|--|---|
| Gasoline (C6-C10)      | ND | 50.0 | mg/kg |      |  |      |        |  |  | U |
| Diesel (C10-C28)       | ND | 50.0 | "     |      |  |      |        |  |  | U |
| Surrogate: o-Terphenyl | 33 |      | "     | 50.0 |  | 66.8 | 59-131 |  |  |   |

**LCS (B7J3104-BS1)**

Prepared: 10/31/2017 Analyzed: 10/31/2017

|                        |     |      |       |      |  |      |        |  |  |  |
|------------------------|-----|------|-------|------|--|------|--------|--|--|--|
| Gasoline (C6-C10)      | 869 | 50.0 | mg/kg | 1000 |  | 86.9 | 59-133 |  |  |  |
| Diesel (C10-C28)       | 834 | 50.0 | "     | 1000 |  | 83.4 | 64-121 |  |  |  |
| Surrogate: o-Terphenyl | 47  |      | "     | 50.0 |  | 93.7 | 59-131 |  |  |  |

**Matrix Spike (B7J3104-MS1)**

**Source: Y710362-01**

Prepared: 10/31/2017 Analyzed: 10/31/2017

|                        |     |      |       |      |    |      |        |  |  |  |
|------------------------|-----|------|-------|------|----|------|--------|--|--|--|
| Gasoline (C6-C10)      | 824 | 50.0 | mg/kg | 1000 | ND | 82.4 | 57-139 |  |  |  |
| Diesel (C10-C28)       | 818 | 50.0 | "     | 1000 | ND | 81.8 | 53-125 |  |  |  |
| Surrogate: o-Terphenyl | 46  |      | "     | 50.0 |    | 91.5 | 59-131 |  |  |  |

**Matrix Spike Dup (B7J3104-MSD1)**

**Source: Y710362-01**

Prepared: 10/31/2017 Analyzed: 10/31/2017

|                        |     |      |       |      |    |      |        |      |    |  |
|------------------------|-----|------|-------|------|----|------|--------|------|----|--|
| Gasoline (C6-C10)      | 795 | 50.0 | mg/kg | 1000 | ND | 79.5 | 57-139 | 3.65 | 20 |  |
| Diesel (C10-C28)       | 769 | 50.0 | "     | 1000 | ND | 76.9 | 53-125 | 6.28 | 20 |  |
| Surrogate: o-Terphenyl | 44  |      | "     | 50.0 |    | 88.9 | 59-131 |      |    |  |

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CGRS, Inc

1301 Academy Court

Fort Collins CO 80524

Craig Mulica

Project Number: 16926aa

Project: Sloan 1

### Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

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.*

Jen Pellegrini For Noelle Doyle Mathis, President



November 02, 2017

CGRS, Inc  
Craig Mulica  
1301 Academy Court  
Fort Collins CO 80524

**Project Name - Sloan 1**

**Project Number - 16926aa**

Attached are your analytical results for Sloan 1 received by Origins Laboratory, Inc. November 01, 2017. This project is associated with Origins project number Y711018-01.

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

CGRS, Inc

1301 Academy Court

Fort Collins CO 80524

Craig Mulica

Project Number: 16926aa

Project: Sloan 1

## CROSS REFERENCE REPORT

| Sample ID   | Laboratory ID | Matrix | Date Sampled           | Date Received    |
|-------------|---------------|--------|------------------------|------------------|
| SS-54@7'    | Y711018-01    | Soil   | November 1, 2017 15:00 | 11/01/2017 16:50 |
| SS-South@7' | Y711018-02    | Soil   | November 1, 2017 15:30 | 11/01/2017 16:50 |

Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President



CGRS, Inc  
1301 Academy Court  
Fort Collins CO 80524

Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

Origins Laboratory

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

## Sample Receipt Checklist

Origins Work Order: 1711012 Client: CGRS, Inc  
Client Project ID: Sloan 1  
Checklist Completed by: Dan Lee Shipped Via: HD  
(UPS, FedEx, Hand Delivered, Pick-up, etc.)  
Date/time completed: 11-1-12 1809 Airbill #: HP  
Matrix(s) Received: (Check all that apply): ☒ Soil/Solid ☐ Water ☐ Other: \_\_\_\_\_  
(Describe)  
Cooler Number/Temperature: 1 19.6 °C 1 °C 1 °C 1 °C  
Thermometer ID: 1003

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

11-1-12 1817  
Date/Time Reviewed

Origins Laboratory, Inc.

Jefe Pellegrini

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.

CGRS, Inc  
1301 Academy Court  
Fort Collins CO 80524

Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

SS-54@7'  
11/1/2017 3:00:00PM

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

**Origins Laboratory, Inc.**  
**Y711018-01 (Soil)**

**BTEX by EPA 8260C**

|                |    |       |       |    |         |            |            |   |
|----------------|----|-------|-------|----|---------|------------|------------|---|
| Benzene        | ND | 0.050 | mg/kg | 25 | B7K0106 | 11/01/2017 | 11/01/2017 | U |
| Toluene        | ND | 0.050 | "     | "  | "       | "          | "          | U |
| Ethylbenzene   | ND | 0.050 | "     | "  | "       | "          | "          | U |
| Xylenes, total | ND | 0.050 | "     | "  | "       | "          | "          | U |

|                                  |        |        |  |  |   |   |   |  |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 102 %  | 70-130 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 102 %  | 70-130 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 98.2 % | 70-130 |  |  | " | " | " |  |

**GRO (TVPH)/DRO (TEPH)by EPA 8015C**

|                   |    |      |       |   |         |   |            |   |
|-------------------|----|------|-------|---|---------|---|------------|---|
| Gasoline (C6-C10) | ND | 50.0 | mg/kg | 1 | B7K0107 | " | 11/02/2017 | U |
| Diesel (C10-C28)  | ND | 50.0 | "     | " | "       | " | "          | U |

|                        |        |        |  |  |   |   |   |  |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 59.9 % | 59-131 |  |  | " | " | " |  |
|------------------------|--------|--------|--|--|---|---|---|--|

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CGRS, Inc  
1301 Academy Court  
Fort Collins CO 80524

Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

**SS-South@7'**  
**11/1/2017 3:30:00PM**

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

**Origins Laboratory, Inc.**  
**Y711018-02 (Soil)**

**BTEX by EPA 8260C**

|                |    |       |       |    |         |            |            |   |
|----------------|----|-------|-------|----|---------|------------|------------|---|
| Benzene        | ND | 0.050 | mg/kg | 25 | B7K0106 | 11/01/2017 | 11/01/2017 | U |
| Toluene        | ND | 0.050 | "     | "  | "       | "          | "          | U |
| Ethylbenzene   | ND | 0.050 | "     | "  | "       | "          | "          | U |
| Xylenes, total | ND | 0.050 | "     | "  | "       | "          | "          | U |

|                                  |        |        |  |  |   |   |   |  |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 102 %  | 70-130 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 99.8 % | 70-130 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 98.6 % | 70-130 |  |  | " | " | " |  |

**GRO (TVPH)/DRO (TEPH)by EPA 8015C**

|                   |    |      |       |   |         |   |            |   |
|-------------------|----|------|-------|---|---------|---|------------|---|
| Gasoline (C6-C10) | ND | 50.0 | mg/kg | 1 | B7K0107 | " | 11/02/2017 | U |
| Diesel (C10-C28)  | ND | 50.0 | "     | " | "       | " | "          | U |

|                        |        |        |  |  |   |   |   |  |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 61.3 % | 59-131 |  |  | " | " | " |  |
|------------------------|--------|--------|--|--|---|---|---|--|

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Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

**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 |
|--|--------|-----------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| <b>Batch B7K0106 - EPA 5030 (soil)</b> |        |                 |       |             |   |      |             |     |           |       |
| <b>Blank (B7K0106-BLK1)</b>            |        |                 |       |             | Prepared: 11/01/2017 Analyzed: 11/01/2017 |      |             |     |           |       |
| Benzene                                | ND     | 0.002           | mg/kg |             |   |      |             |     |           | U     |
| Toluene                                | ND     | 0.002           | "     |             |   |      |             |     |           | U     |
| Ethylbenzene                           | ND     | 0.002           | "     |             |   |      |             |     |           | U     |
| Xylenes, total                         | ND     | 0.002           | "     |             |   |      |             |     |           | U     |
| Surrogate: 1,2-Dichloroethane-d4       | 63     |                 | ug/kg | 62.5        |   | 100  | 70-130      |     |           |       |
| Surrogate: Toluene-d8                  | 64     |                 | "     | 62.5        |   | 102  | 70-130      |     |           |       |
| Surrogate: 4-Bromofluorobenzene        | 61     |                 | "     | 62.5        |   | 97.6 | 70-130      |     |           |       |

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Fort Collins CO 80524

Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

**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 |
|--|--------|-----------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| <b>Batch B7K0106 - EPA 5030 (soil)</b> |        |                 |       |             |   |      |             |     |           |       |
| <b>LCS (B7K0106-BS1)</b>               |        |                 |       |             | Prepared: 11/01/2017 Analyzed: 11/01/2017 |      |             |     |           |       |
| Benzene                                | 0.091  | 0.002           | mg/kg | 0.100       |   | 90.9 | 77.1-124    |     |           |       |
| Toluene                                | 0.092  | 0.002           | "     | 0.100       |   | 92.2 | 74.5-128    |     |           |       |
| Ethylbenzene                           | 0.097  | 0.002           | "     | 0.100       |   | 97.4 | 66.4-127    |     |           |       |
| m,p-Xylene                             | 0.174  | 0.004           | "     | 0.200       |   | 87.0 | 76.6-124    |     |           |       |
| o-Xylene                               | 0.098  | 0.002           | "     | 0.100       |   | 98.2 | 76.6-124    |     |           |       |
| Surrogate: 1,2-Dichloroethane-d4       | 60     |                 | ug/kg | 62.5        |   | 96.4 | 70-130      |     |           |       |
| Surrogate: Toluene-d8                  | 64     |                 | "     | 62.5        |   | 102  | 70-130      |     |           |       |
| Surrogate: 4-Bromofluorobenzene        | 61     |                 | "     | 62.5        |   | 97.8 | 70-130      |     |           |       |

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1301 Academy Court  
Fort Collins CO 80524

Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

**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 B7K0106 - EPA 5030 (soil)**

| Matrix Spike (B7K0106-MS1)       |      | Source: Y711013-01 |       |      | Prepared: 11/01/2017 Analyzed: 11/01/2017 |      |          |  |  |  |
|----------------------------------|------|--------------------|-------|------|---|------|----------|--|--|--|
| Benzene                          | 2.25 | 0.050              | mg/kg | 2.50 | ND  | 90.0 | 71.8-126 |  |  |  |
| Toluene                          | 2.23 | 0.050              | "     | 2.50 | ND  | 89.1 | 65.1-130 |  |  |  |
| Ethylbenzene                     | 2.38 | 0.050              | "     | 2.50 | ND  | 95.1 | 62.2-130 |  |  |  |
| m,p-Xylene                       | 4.26 | 0.100              | "     | 5.00 | ND  | 85.1 | 46.5-137 |  |  |  |
| o-Xylene                         | 2.46 | 0.050              | "     | 2.50 | ND  | 98.5 | 54.2-134 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 61   |                    | ug/kg | 62.5 |   | 97.5 | 70-130   |  |  |  |
| Surrogate: Toluene-d8            | 63   |                    | "     | 62.5 |   | 101  | 70-130   |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 61   |                    | "     | 62.5 |   | 97.2 | 70-130   |  |  |  |

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1301 Academy Court  
Fort Collins CO 80524

Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

**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 B7K0106 - EPA 5030 (soil)**

| Matrix Spike Dup (B7K0106-MSD1)  |      | Source: Y711013-01 |       |      | Prepared: 11/01/2017 Analyzed: 11/01/2017 |      |          |      |      |  |
|----------------------------------|------|--------------------|-------|------|---|------|----------|------|------|--|
| Benzene                          | 2.35 | 0.050              | mg/kg | 2.50 | ND  | 93.9 | 71.8-126 | 4.22 | 11.3 |  |
| Toluene                          | 2.31 | 0.050              | "     | 2.50 | ND  | 92.3 | 65.1-130 | 3.48 | 15.4 |  |
| Ethylbenzene                     | 2.44 | 0.050              | "     | 2.50 | ND  | 97.5 | 62.2-130 | 2.55 | 19.6 |  |
| m,p-Xylene                       | 4.39 | 0.100              | "     | 5.00 | ND  | 87.8 | 46.5-137 | 3.07 | 19.2 |  |
| o-Xylene                         | 2.53 | 0.050              | "     | 2.50 | ND  | 101  | 54.2-134 | 2.84 | 17.9 |  |
| Surrogate: 1,2-Dichloroethane-d4 | 60   |                    | ug/kg | 62.5 |   | 96.8 | 70-130   |      |      |  |
| Surrogate: Toluene-d8            | 63   |                    | "     | 62.5 |   | 101  | 70-130   |      |      |  |
| Surrogate: 4-Bromofluorobenzene  | 62   |                    | "     | 62.5 |   | 98.7 | 70-130   |      |      |  |

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CGRS, Inc  
1301 Academy Court  
Fort Collins CO 80524

Craig Mulica  
Project Number: 16926aa  
Project: Sloan 1

**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 B7K0107 - EPA 3550B**

**Blank (B7K0107-BLK1)**

Prepared: 11/01/2017 Analyzed: 11/01/2017

|                        |    |      |       |      |  |      |        |  |  |   |
|------------------------|----|------|-------|------|--|------|--------|--|--|---|
| Gasoline (C6-C10)      | ND | 50.0 | mg/kg |      |  |      |        |  |  | U |
| Diesel (C10-C28)       | ND | 50.0 | "     |      |  |      |        |  |  | U |
| Surrogate: o-Terphenyl | 33 |      | "     | 50.0 |  | 65.2 | 59-131 |  |  |   |

**LCS (B7K0107-BS1)**

Prepared: 11/01/2017 Analyzed: 11/02/2017

|                        |     |      |       |      |  |      |        |  |  |  |
|------------------------|-----|------|-------|------|--|------|--------|--|--|--|
| Gasoline (C6-C10)      | 824 | 50.0 | mg/kg | 1000 |  | 82.4 | 59-133 |  |  |  |
| Diesel (C10-C28)       | 817 | 50.0 | "     | 1000 |  | 81.7 | 64-121 |  |  |  |
| Surrogate: o-Terphenyl | 44  |      | "     | 50.0 |  | 88.6 | 59-131 |  |  |  |

**Matrix Spike (B7K0107-MS1)**

**Source: Y711013-01**

Prepared: 11/01/2017 Analyzed: 11/02/2017

|                        |     |      |       |      |      |      |        |  |  |       |
|------------------------|-----|------|-------|------|------|------|--------|--|--|-------|
| Gasoline (C6-C10)      | 598 | 50.0 | mg/kg | 1000 | 41.4 | 55.7 | 57-139 |  |  | QM-07 |
| Diesel (C10-C28)       | 605 | 50.0 | "     | 1000 | ND   | 60.5 | 53-125 |  |  |       |
| Surrogate: o-Terphenyl | 36  |      | "     | 50.0 |      | 72.3 | 59-131 |  |  |       |

**Matrix Spike Dup (B7K0107-MSD1)**

**Source: Y711013-01**

Prepared: 11/01/2017 Analyzed: 11/02/2017

|                        |     |      |       |      |      |      |        |       |    |       |
|------------------------|-----|------|-------|------|------|------|--------|-------|----|-------|
| Gasoline (C6-C10)      | 611 | 50.0 | mg/kg | 1000 | 41.4 | 56.9 | 57-139 | 2.06  | 20 | QM-07 |
| Diesel (C10-C28)       | 605 | 50.0 | "     | 1000 | ND   | 60.5 | 53-125 | 0.164 | 20 |       |
| Surrogate: o-Terphenyl | 36  |      | "     | 50.0 |      | 72.2 | 59-131 |       |    |       |

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### Notes and Definitions

U Sample is Non-Detect.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

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