

January 24, 2018

Quandary Consultants

Asher Weinberg

2252 Emerson St.

Denver

CO 80205

Project Name - Critter Creek 5-10H

Project Number - FCE005

Attached are your analytical results for Critter Creek 5-10H received by Origins Laboratory, Inc. January 15, 2018. This project is associated with Origins project number Y801214-01.

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



Quandary Consultants
2252 Emerson St.
Denver CO 80205

Asher Weinberg
Project Number: FCE005
Project: Critter Creek 5-10H

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|--------------|---------------|--------|------------------------|------------------|
| SS01 | Y801214-01 | Soil | January 13, 2018 13:16 | 01/15/2018 14:36 |
| SS02 | Y801214-02 | Soil | January 13, 2018 13:12 | 01/15/2018 14:36 |
| SS03 | Y801214-03 | Soil | January 13, 2018 13:15 | 01/15/2018 14:36 |
| SS04 | Y801214-04 | Soil | January 13, 2018 13:11 | 01/15/2018 14:36 |
| SS05 | Y801214-05 | Soil | January 13, 2018 13:17 | 01/15/2018 14:36 |
| SS06 | Y801214-06 | Soil | January 13, 2018 13:14 | 01/15/2018 14:36 |
| Background01 | Y801214-07 | Soil | January 13, 2018 13:23 | 01/15/2018 14:36 |

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.

Asher Weinberg
Project Number: FCE005
Project: Critter Creek 5-10H

ORIGINS

LABORATORY, INC

www.originslaboratory.com

Y801214

page 1 of 1

Client: Quandary Consultants

Address: 2112 Glenarm PI

Denver, CO 80205

Telephone Number: (303) 957-4140

Email Address: alwin@quandaryconsultants.com

Project Manager: Asher Weinberg

Project Name: Critter Creek 510H

Project Number: PC005

Samples Collected By: CC

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

| Sample ID Description | Date Sampled | Time Sampled | # of Containers | Preservative | | | | Matrix | | | Analysis | | | | Sample Instructions | |
|--------------------------------------|----------------------|----------------------|---------------------------------|----------------------|-------------------|--|--|-------------|------|-------------|----------|---------------|----|----|---------------------|-----|
| | | | | Unpreserved | HCl | HNO ₃ | Other | Groundwater | Soil | Air Summary | Other | TPH (GRO/DRO) | EC | PH | | SAR |
| 5501 | 1-13-18 | 1:16 PM | 2 | X | | | | | | | | X | X | X | X | 1 |
| 5502 | | 1:12 PM | | | | | | | | | | | | | | 2 |
| 5503 | | 1:15 PM | | | | | | | | | | | | | | 3 |
| 5504 | | 1:11 PM | | | | | | | | | | | | | | 4 |
| 5505 | | 1:17 PM | | | | | | | | | | | | | | 5 |
| 5506 | | 1:14 PM | | | | | | | | | | | | | | 6 |
| Background 01 | | 1:23 PM | | | | | | | | | | | | | | 7 |
| | | | | | | | | | | | | | | | | 8 |
| | | | | | | | | | | | | | | | | 9 |
| | | | | | | | | | | | | | | | | 10 |
| Relinquished By: <u>Chris Chenot</u> | Date: <u>1-15-18</u> | Time: <u>2:36 PM</u> | Received By: <u>[Signature]</u> | Date: <u>1/15/18</u> | Time: <u>1436</u> | Turnaround Time: <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input checked="" type="checkbox"/> 72 Hr | Standard <input checked="" type="checkbox"/> | | | | | | | | | |

Temp Received: 4.5

Date Results Needed

Origins Laboratory, Inc.

Jeff Pellgrini

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Quandary Consultants
2252 Emerson St.
Denver CO 80205

Asher Weinberg
Project Number: FCE005
Project: Critter Creek 5-10H

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 1801214

Client: Quandary Consultants
Client Project ID: Critter Creek 5-10H

Checklist Completed by: JS

Shipped Via: HD
(UPS, FedEx, Hand Delivered, Pick-up, etc.)
Airbill #: N/A

Date/time completed: 1/16/18

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

Cooler Number/Temperature: 1 / 4.5 °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 ⁽¹⁾ ? | <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 ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Was adequate sample volume provided ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ? | <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 ⁽¹⁾ ? (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 ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ -NaOH, ZnAc ₂ -NaOH) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Additional Comments (if any): | | | | |

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

Reviewed by (Project Manager) [Signature]

Date/Time Reviewed 1/18/18

Origins Laboratory, Inc.

Jefe Pellegrini

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Quandary Consultants
2252 Emerson St.
Denver CO 80205

Asher Weinberg
Project Number: FCE005
Project: Critter Creek 5-10H

SS01
1/13/2018 1:16:00PM

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

Origins Laboratory, Inc.
Y801214-01 (Soil)

BTEX by EPA 8260C

| | | | | | | | | |
|----------------|-------|-------|-------|---|---------|------------|------------|---|
| Benzene | ND | 0.002 | mg/kg | 1 | B8A1701 | 01/17/2018 | 01/17/2018 | U |
| Toluene | 0.006 | 0.002 | " | " | " | " | " | |
| Ethylbenzene | 0.014 | 0.002 | " | " | " | " | " | |
| Xylenes, total | 0.107 | 0.002 | " | " | " | " | " | |

| | | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 114 % | 70-130 | | | " | " | " | |
| Surrogate: Toluene-d8 | 94.7 % | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 120 % | 70-130 | | | " | " | " | |

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

| | | | | | | | | |
|-------------------|-----|------|-------|---|---------|------------|------------|---|
| Gasoline (C6-C10) | ND | 50.0 | mg/kg | 1 | B8A1702 | 01/17/2018 | 01/18/2018 | U |
| Diesel (C10-C28) | 796 | 50.0 | " | " | " | " | " | |

| | | | | | | | | |
|------------------------|-------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 108 % | 59-131 | | | " | " | " | |
|------------------------|-------|--------|--|--|---|---|---|--|

Metals (Saturated Paste Prep)

| | | | | | | | | |
|-----------|------|--|------|---|----------|------------|------------|--|
| Calcium | 2.29 | | me/L | 1 | '[none]' | 01/18/2018 | 01/23/2018 | |
| Magnesium | 0.61 | | " | " | " | " | " | |
| Sodium | 0.51 | | " | " | " | " | " | |

pH in Soil by EPA 9045D

| | | | | | | | | |
|----|------|--|----------|---|---------|------------|------------|--|
| pH | 8.47 | | pH Units | 1 | B8A1703 | 01/17/2018 | 01/17/2018 | |
|----|------|--|----------|---|---------|------------|------------|--|

Origins Laboratory, Inc.



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Quandary Consultants
2252 Emerson St.
Denver CO 80205

Asher Weinberg
Project Number: FCE005
Project: Critter Creek 5-10H

SS01

1/13/2018 1:16:00PM

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

Origins Laboratory, Inc.
Y801214-01 (Soil)

SAR by 20B Saturated Paste

| | | | | | | | | |
|-----|------|--|--|---|----------|------------|------------|--|
| SAR | 0.42 | | | 1 | '[none]' | 01/18/2018 | 01/23/2018 | |
|-----|------|--|--|---|----------|------------|------------|--|

Specific Conductance by Modified 9050A

| | | | | | | | | |
|---------------------------|--------|--|----------|---|---------|------------|------------|--|
| Specific Conductance (EC) | 0.0650 | | mmhos/cm | 1 | B8A1704 | 01/17/2018 | 01/17/2018 | |
|---------------------------|--------|--|----------|---|---------|------------|------------|--|

Origins Laboratory, Inc.



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Quandary Consultants
2252 Emerson St.
Denver CO 80205

Asher Weinberg
Project Number: FCE005
Project: Critter Creek 5-10H

SS02

1/13/2018 1:12:00PM

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

Origins Laboratory, Inc. Y801214-02 (Soil)

BTEX by EPA 8260C

| | | | | | | | | |
|----------------|-------|-------|-------|---|---------|------------|------------|---|
| Benzene | ND | 0.002 | mg/kg | 1 | B8A1701 | 01/17/2018 | 01/17/2018 | U |
| Toluene | 0.002 | 0.002 | " | " | " | " | " | |
| Ethylbenzene | 0.002 | 0.002 | " | " | " | " | " | |
| Xylenes, total | 0.008 | 0.002 | " | " | " | " | " | |

| | | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 113 % | 70-130 | | | " | " | " | |
| Surrogate: Toluene-d8 | 99.1 % | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 111 % | 70-130 | | | " | " | " | |

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

| | | | | | | | | |
|-------------------|-----|------|-------|---|---------|------------|------------|---|
| Gasoline (C6-C10) | ND | 50.0 | mg/kg | 1 | B8A1702 | 01/17/2018 | 01/18/2018 | U |
| Diesel (C10-C28) | 837 | 50.0 | " | " | " | " | " | |

| | | | | | | | | |
|------------------------|-------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 120 % | 59-131 | | | " | " | " | |
|------------------------|-------|--------|--|--|---|---|---|--|

Metals (Saturated Paste Prep)

| | | | | | | | | |
|-----------|------|--|------|---|----------|------------|------------|--|
| Calcium | 2.64 | | me/L | 1 | '[none]' | 01/18/2018 | 01/23/2018 | |
| Magnesium | 0.65 | | " | " | " | " | " | |
| Sodium | 0.36 | | " | " | " | " | " | |

pH in Soil by EPA 9045D

| | | | | | | | | |
|----|------|--|----------|---|---------|------------|------------|--|
| pH | 8.55 | | pH Units | 1 | B8A1703 | 01/17/2018 | 01/17/2018 | |
|----|------|--|----------|---|---------|------------|------------|--|

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Quandary Consultants
2252 Emerson St.
Denver CO 80205

Asher Weinberg
Project Number: FCE005
Project: Critter Creek 5-10H

SS02

1/13/2018 1:12:00PM

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

Origins Laboratory, Inc.
Y801214-02 (Soil)

SAR by 20B Saturated Paste

| | | | | | | | | |
|-----|------|--|--|---|----------|------------|------------|--|
| SAR | 0.28 | | | 1 | '[none]' | 01/18/2018 | 01/23/2018 | |
|-----|------|--|--|---|----------|------------|------------|--|

Specific Conductance by Modified 9050A

| | | | | | | | | |
|---------------------------|--------|--|----------|---|---------|------------|------------|--|
| Specific Conductance (EC) | 0.0818 | | mmhos/cm | 1 | B8A1704 | 01/17/2018 | 01/17/2018 | |
|---------------------------|--------|--|----------|---|---------|------------|------------|--|

Origins Laboratory, Inc.



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Quandary Consultants
2252 Emerson St.
Denver CO 80205

Asher Weinberg
Project Number: FCE005
Project: Critter Creek 5-10H

SS03

1/13/2018 1:15:00PM

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

Origins Laboratory, Inc. Y801214-03 (Soil)

BTEX by EPA 8260C

| | | | | | | | | |
|----------------|----|-------|-------|---|---------|------------|------------|---|
| Benzene | ND | 0.002 | mg/kg | 1 | B8A1701 | 01/17/2018 | 01/17/2018 | U |
| Toluene | ND | 0.002 | " | " | " | " | " | U |
| Ethylbenzene | ND | 0.002 | " | " | " | " | " | U |
| Xylenes, total | ND | 0.002 | " | " | " | " | " | U |

| | | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 115 % | 70-130 | | | " | " | " | |
| Surrogate: Toluene-d8 | 99.6 % | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 103 % | 70-130 | | | " | " | " | |

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

| | | | | | | | | |
|-------------------|----|------|-------|---|---------|------------|------------|---|
| Gasoline (C6-C10) | ND | 50.0 | mg/kg | 1 | B8A1702 | 01/17/2018 | 01/18/2018 | U |
| Diesel (C10-C28) | ND | 50.0 | " | " | " | " | " | U |

| | | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 84.1 % | 59-131 | | | " | " | " | |
|------------------------|--------|--------|--|--|---|---|---|--|

Metals (Saturated Paste Prep)

| | | | | | | | | |
|-----------|------|--|------|---|----------|------------|------------|--|
| Calcium | 3.51 | | me/L | 1 | '[none]' | 01/18/2018 | 01/23/2018 | |
| Magnesium | 0.84 | | " | " | " | " | " | |
| Sodium | 0.31 | | " | " | " | " | " | |

pH in Soil by EPA 9045D

| | | | | | | | | |
|----|------|--|----------|---|---------|------------|------------|--|
| pH | 8.58 | | pH Units | 1 | B8A1703 | 01/17/2018 | 01/17/2018 | |
|----|------|--|----------|---|---------|------------|------------|--|

Origins Laboratory, Inc.



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Quandary Consultants
2252 Emerson St.
Denver CO 80205

Asher Weinberg
Project Number: FCE005
Project: Critter Creek 5-10H

SS03

1/13/2018 1:15:00PM

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

Origins Laboratory, Inc.
Y801214-03 (Soil)

SAR by 20B Saturated Paste

| | | | | | | | | |
|-----|------|--|--|---|----------|------------|------------|--|
| SAR | 0.21 | | | 1 | '[none]' | 01/18/2018 | 01/23/2018 | |
|-----|------|--|--|---|----------|------------|------------|--|

Specific Conductance by Modified 9050A

| | | | | | | | | |
|---------------------------|--------|--|----------|---|---------|------------|------------|--|
| Specific Conductance (EC) | 0.0671 | | mmhos/cm | 1 | B8A1704 | 01/17/2018 | 01/17/2018 | |
|---------------------------|--------|--|----------|---|---------|------------|------------|--|

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Quandary Consultants
2252 Emerson St.
Denver CO 80205

Asher Weinberg
Project Number: FCE005
Project: Critter Creek 5-10H

SS04

1/13/2018 1:11:00PM

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

Origins Laboratory, Inc. Y801214-04 (Soil)

BTEX by EPA 8260C

| | | | | | | | | |
|----------------|----|-------|-------|---|---------|------------|------------|---|
| Benzene | ND | 0.002 | mg/kg | 1 | B8A1701 | 01/17/2018 | 01/17/2018 | U |
| Toluene | ND | 0.002 | " | " | " | " | " | U |
| Ethylbenzene | ND | 0.002 | " | " | " | " | " | U |
| Xylenes, total | ND | 0.002 | " | " | " | " | " | U |

| | | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 112 % | 70-130 | | | " | " | " | |
| Surrogate: Toluene-d8 | 98.0 % | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 101 % | 70-130 | | | " | " | " | |

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

| | | | | | | | | |
|-------------------|-----|------|-------|---|---------|------------|------------|---|
| Gasoline (C6-C10) | ND | 50.0 | mg/kg | 1 | B8A1702 | 01/17/2018 | 01/18/2018 | U |
| Diesel (C10-C28) | 143 | 50.0 | " | " | " | " | " | |

| | | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 94.4 % | 59-131 | | | " | " | " | |
|------------------------|--------|--------|--|--|---|---|---|--|

Metals (Saturated Paste Prep)

| | | | | | | | | |
|-----------|------|--|------|---|----------|------------|------------|--|
| Calcium | 2.70 | | me/L | 1 | '[none]' | 01/18/2018 | 01/23/2018 | |
| Magnesium | 0.71 | | " | " | " | " | " | |
| Sodium | 0.41 | | " | " | " | " | " | |

pH in Soil by EPA 9045D

| | | | | | | | | |
|----|------|--|----------|---|---------|------------|------------|--|
| pH | 8.57 | | pH Units | 1 | B8A1703 | 01/17/2018 | 01/17/2018 | |
|----|------|--|----------|---|---------|------------|------------|--|

Origins Laboratory, Inc.



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Quandary Consultants
2252 Emerson St.
Denver CO 80205

Asher Weinberg
Project Number: FCE005
Project: Critter Creek 5-10H

SS04

1/13/2018 1:11:00PM

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

Origins Laboratory, Inc.
Y801214-04 (Soil)

SAR by 20B Saturated Paste

| | | | | | | | | |
|-----|------|--|--|---|----------|------------|------------|--|
| SAR | 0.31 | | | 1 | '[none]' | 01/18/2018 | 01/23/2018 | |
|-----|------|--|--|---|----------|------------|------------|--|

Specific Conductance by Modified 9050A

| | | | | | | | | |
|---------------------------|--------|--|----------|---|---------|------------|------------|--|
| Specific Conductance (EC) | 0.0512 | | mmhos/cm | 1 | B8A1704 | 01/17/2018 | 01/17/2018 | |
|---------------------------|--------|--|----------|---|---------|------------|------------|--|

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Quandary Consultants
2252 Emerson St.
Denver CO 80205

Asher Weinberg
Project Number: FCE005
Project: Critter Creek 5-10H

SS05

1/13/2018 1:17:00PM

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

Origins Laboratory, Inc. Y801214-05 (Soil)

BTEX by EPA 8260C

| | | | | | | | |
|----------------|-------|-------|-------|-----|---------|------------|------------|
| Benzene | 0.780 | 0.498 | mg/kg | 250 | B8A1701 | 01/17/2018 | 01/22/2018 |
| Toluene | 36.5 | 0.498 | " | " | " | " | " |
| Ethylbenzene | 39.3 | 0.498 | " | " | " | " | " |
| Xylenes, total | 121 | 0.498 | " | " | " | " | " |

| | | | | | | | |
|----------------------------------|-------|--------|--|--|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 106 % | 70-130 | | | " | " | " |
| Surrogate: Toluene-d8 | 100 % | 70-130 | | | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 109 % | 70-130 | | | " | " | " |

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

| | | | | | | | |
|-------------------|-------|-----|-------|----|---------|------------|------------|
| Gasoline (C6-C10) | 9610 | 500 | mg/kg | 10 | B8A1702 | 01/17/2018 | 01/22/2018 |
| Diesel (C10-C28) | 15500 | 500 | " | " | " | " | " |

| | | | | | | | |
|------------------------|-------|--------|--|--|---|---|------------|
| Surrogate: o-Terphenyl | 131 % | 59-131 | | | " | " | 01/18/2018 |
|------------------------|-------|--------|--|--|---|---|------------|

Metals (Saturated Paste Prep)

| | | | | | | | |
|-----------|------|--|------|---|----------|------------|------------|
| Calcium | 2.43 | | me/L | 1 | '[none]' | 01/18/2018 | 01/23/2018 |
| Magnesium | 0.45 | | " | " | " | " | " |
| Sodium | 0.23 | | " | " | " | " | " |

pH in Soil by EPA 9045D

| | | | | | | | |
|----|------|--|----------|---|---------|------------|------------|
| pH | 8.86 | | pH Units | 1 | B8A1703 | 01/17/2018 | 01/17/2018 |
|----|------|--|----------|---|---------|------------|------------|

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Quandary Consultants
2252 Emerson St.
Denver CO 80205

Asher Weinberg
Project Number: FCE005
Project: Critter Creek 5-10H

SS05

1/13/2018 1:17:00PM

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

Origins Laboratory, Inc.
Y801214-05 (Soil)

SAR by 20B Saturated Paste

| | | | | | | | | |
|-----|------|--|--|---|----------|------------|------------|--|
| SAR | 0.19 | | | 1 | '[none]' | 01/18/2018 | 01/23/2018 | |
|-----|------|--|--|---|----------|------------|------------|--|

Specific Conductance by Modified 9050A

| | | | | | | | | |
|---------------------------|--------|--|----------|---|---------|------------|------------|--|
| Specific Conductance (EC) | 0.0495 | | mmhos/cm | 1 | B8A1704 | 01/17/2018 | 01/17/2018 | |
|---------------------------|--------|--|----------|---|---------|------------|------------|--|

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Quandary Consultants
2252 Emerson St.
Denver CO 80205

Asher Weinberg
Project Number: FCE005
Project: Critter Creek 5-10H

SS06

1/13/2018 1:14:00PM

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

Origins Laboratory, Inc. Y801214-06 (Soil)

BTEX by EPA 8260C

| | | | | | | | | |
|----------------|-------|-------|-------|---|---------|------------|------------|---|
| Benzene | ND | 0.002 | mg/kg | 1 | B8A1701 | 01/17/2018 | 01/17/2018 | U |
| Toluene | 0.004 | 0.002 | " | " | " | " | " | |
| Ethylbenzene | ND | 0.002 | " | " | " | " | " | U |
| Xylenes, total | ND | 0.002 | " | " | " | " | " | U |

| | | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 108 % | 70-130 | | | " | " | " | |
| Surrogate: Toluene-d8 | 99.4 % | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 106 % | 70-130 | | | " | " | " | |

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

| | | | | | | | | |
|-------------------|-----|------|-------|---|---------|------------|------------|---|
| Gasoline (C6-C10) | ND | 50.0 | mg/kg | 1 | B8A1702 | 01/17/2018 | 01/18/2018 | U |
| Diesel (C10-C28) | 748 | 50.0 | " | " | " | " | " | |

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

Metals (Saturated Paste Prep)

| | | | | | | | | |
|-----------|------|--|------|---|----------|------------|------------|--|
| Calcium | 2.40 | | me/L | 1 | '[none]' | 01/18/2018 | 01/23/2018 | |
| Magnesium | 0.74 | | " | " | " | " | " | |
| Sodium | 0.40 | | " | " | " | " | " | |

pH in Soil by EPA 9045D

| | | | | | | | | |
|----|------|--|----------|---|---------|------------|------------|--|
| pH | 8.98 | | pH Units | 1 | B8A1703 | 01/17/2018 | 01/17/2018 | |
|----|------|--|----------|---|---------|------------|------------|--|

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Quandary Consultants
2252 Emerson St.
Denver CO 80205

Asher Weinberg
Project Number: FCE005
Project: Critter Creek 5-10H

SS06

1/13/2018 1:14:00PM

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

Origins Laboratory, Inc.
Y801214-06 (Soil)

SAR by 20B Saturated Paste

| | | | | | | | | |
|-----|------|--|--|---|----------|------------|------------|--|
| SAR | 0.32 | | | 1 | '[none]' | 01/18/2018 | 01/23/2018 | |
|-----|------|--|--|---|----------|------------|------------|--|

Specific Conductance by Modified 9050A

| | | | | | | | | |
|---------------------------|--------|--|----------|---|---------|------------|------------|--|
| Specific Conductance (EC) | 0.0508 | | mmhos/cm | 1 | B8A1704 | 01/17/2018 | 01/17/2018 | |
|---------------------------|--------|--|----------|---|---------|------------|------------|--|

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Quandary Consultants
2252 Emerson St.
Denver CO 80205

Asher Weinberg
Project Number: FCE005
Project: Critter Creek 5-10H

Background01
1/13/2018 1:23:00PM

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

Origins Laboratory, Inc.
Y801214-07 (Soil)

BTEX by EPA 8260C

| | | | | | | | | |
|----------------|----|-------|-------|----|---------|------------|------------|---|
| Benzene | ND | 0.050 | mg/kg | 25 | B8A1701 | 01/17/2018 | 01/22/2018 | 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 | 98.6 % | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 98.8 % | 70-130 | | | " | " | " | |

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

| | | | | | | | | |
|-------------------|----|------|-------|---|---------|------------|------------|---|
| Gasoline (C6-C10) | ND | 50.0 | mg/kg | 1 | B8A1702 | 01/17/2018 | 01/18/2018 | U |
| Diesel (C10-C28) | ND | 50.0 | " | " | " | " | " | U |

| | | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 87.3 % | 59-131 | | | " | " | " | |
|------------------------|--------|--------|--|--|---|---|---|--|

Metals (Saturated Paste Prep)

| | | | | | | | | |
|-----------|------|--|------|---|----------|------------|------------|--|
| Calcium | 2.43 | | me/L | 1 | '[none]' | 01/18/2018 | 01/23/2018 | |
| Magnesium | 0.50 | | " | " | " | " | " | |
| Sodium | 0.33 | | " | " | " | " | " | |

pH in Soil by EPA 9045D

| | | | | | | | | |
|----|------|--|----------|---|---------|------------|------------|--|
| pH | 8.88 | | pH Units | 1 | B8A1703 | 01/17/2018 | 01/17/2018 | |
|----|------|--|----------|---|---------|------------|------------|--|

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Quandary Consultants
2252 Emerson St.
Denver CO 80205

Asher Weinberg
Project Number: FCE005
Project: Critter Creek 5-10H

Background01
1/13/2018 1:23:00PM

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

Origins Laboratory, Inc.
Y801214-07 (Soil)

SAR by 20B Saturated Paste

| | | | | | | | | |
|-----|------|--|--|---|----------|------------|------------|--|
| SAR | 0.27 | | | 1 | '[none]' | 01/18/2018 | 01/23/2018 | |
|-----|------|--|--|---|----------|------------|------------|--|

Specific Conductance by Modified 9050A

| | | | | | | | | |
|---------------------------|--------|--|----------|---|---------|------------|------------|--|
| Specific Conductance (EC) | 0.0511 | | mmhos/cm | 1 | B8A1704 | 01/17/2018 | 01/17/2018 | |
|---------------------------|--------|--|----------|---|---------|------------|------------|--|

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Quandary Consultants
2252 Emerson St.
Denver CO 80205

Asher Weinberg
Project Number: FCE005
Project: Critter Creek 5-10H

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 B8A1701 - EPA 5030 (soil) | | | | | | | | | | |
| Blank (B8A1701-BLK1) | | | | | Prepared: 01/17/2018 Analyzed: 01/17/2018 | | | | | |
| 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 | 66 | | ug/kg | 62.5 | | 105 | 70-130 | | | |
| Surrogate: Toluene-d8 | 64 | | " | 62.5 | | 102 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 64 | | " | 62.5 | | 103 | 70-130 | | | |

Origins Laboratory, Inc.



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Quandary Consultants
2252 Emerson St.
Denver CO 80205

Asher Weinberg
Project Number: FCE005
Project: Critter Creek 5-10H

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 B8A1701 - EPA 5030 (soil) | | | | | | | | | | |
| Blank (B8A1701-BLK2) | | | | | Prepared: 01/17/2018 Analyzed: 01/17/2018 | | | | | |
| 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 | 68 | | ug/kg | 62.5 | | 109 | 70-130 | | | |
| Surrogate: Toluene-d8 | 63 | | " | 62.5 | | 100 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 63 | | " | 62.5 | | 101 | 70-130 | | | |

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Quandary Consultants
2252 Emerson St.
Denver CO 80205

Asher Weinberg
Project Number: FCE005
Project: Critter Creek 5-10H

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 B8A1701 - EPA 5030 (soil) | | | | | | | | | | |
| LCS (B8A1701-BS1) | | | | | Prepared: 01/17/2018 Analyzed: 01/17/2018 | | | | | |
| Benzene | 0.083 | 0.002 | mg/kg | 0.100 | | 83.0 | 77.1-124 | | | |
| Toluene | 0.082 | 0.002 | " | 0.100 | | 81.6 | 74.5-128 | | | |
| Ethylbenzene | 0.083 | 0.002 | " | 0.100 | | 82.5 | 66.4-127 | | | |
| m,p-Xylene | 0.163 | 0.004 | " | 0.200 | | 81.7 | 76.6-124 | | | |
| o-Xylene | 0.084 | 0.002 | " | 0.100 | | 83.5 | 76.6-124 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 65 | | ug/kg | 62.5 | | 104 | 70-130 | | | |
| Surrogate: Toluene-d8 | 62 | | " | 62.5 | | 99.2 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 62 | | " | 62.5 | | 98.8 | 70-130 | | | |

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Quandary Consultants
2252 Emerson St.
Denver CO 80205

Asher Weinberg
Project Number: FCE005
Project: Critter Creek 5-10H

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 B8A1701 - EPA 5030 (soil) | | | | | | | | | | |
| LCS (B8A1701-BS2) | | | | | Prepared: 01/17/2018 Analyzed: 01/17/2018 | | | | | |
| Benzene | 0.096 | 0.002 | mg/kg | 0.100 | | 95.9 | 77.1-124 | | | |
| Toluene | 0.095 | 0.002 | " | 0.100 | | 95.3 | 74.5-128 | | | |
| Ethylbenzene | 0.096 | 0.002 | " | 0.100 | | 96.2 | 66.4-127 | | | |
| m,p-Xylene | 0.190 | 0.004 | " | 0.200 | | 95.2 | 76.6-124 | | | |
| o-Xylene | 0.097 | 0.002 | " | 0.100 | | 96.8 | 76.6-124 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 63 | | ug/kg | 62.5 | | 101 | 70-130 | | | |
| Surrogate: Toluene-d8 | 63 | | " | 62.5 | | 101 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 63 | | " | 62.5 | | 101 | 70-130 | | | |

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Quandary Consultants
2252 Emerson St.
Denver CO 80205

Asher Weinberg
Project Number: FCE005
Project: Critter Creek 5-10H

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 B8A1701 - EPA 5030 (soil)

| Matrix Spike (B8A1701-MS1) | | Source: Y801214-01 | | | Prepared: 01/17/2018 Analyzed: 01/18/2018 | | | | | |
|----------------------------------|-------|--------------------|-------|-------|---|------|----------|--|--|------|
| Benzene | 0.094 | 0.002 | mg/kg | 0.100 | ND | 94.4 | 71.8-126 | | | |
| Toluene | 0.087 | 0.002 | " | 0.100 | 0.006 | 81.2 | 65.1-130 | | | |
| Ethylbenzene | 0.113 | 0.002 | " | 0.100 | 0.014 | 99.0 | 62.2-130 | | | |
| m,p-Xylene | 0.238 | 0.004 | " | 0.200 | 0.046 | 95.8 | 46.5-137 | | | |
| o-Xylene | 0.168 | 0.002 | " | 0.100 | 0.061 | 107 | 54.2-134 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 63 | | ug/kg | 62.5 | | 101 | 70-130 | | | |
| Surrogate: Toluene-d8 | 62 | | " | 62.5 | | 98.4 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 85 | | " | 62.5 | | 136 | 70-130 | | | S-04 |

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Quandary Consultants
2252 Emerson St.
Denver CO 80205

Asher Weinberg
Project Number: FCE005
Project: Critter Creek 5-10H

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 B8A1701 - EPA 5030 (soil)

| Matrix Spike (B8A1701-MS2) | | Source: Y801214-02 | | | Prepared: 01/17/2018 Analyzed: 01/17/2018 | | | | | |
|----------------------------------|-------|--------------------|-------|-------|---|------|----------|--|--|--|
| Benzene | 0.095 | 0.002 | mg/kg | 0.100 | ND | 94.9 | 71.8-126 | | | |
| Toluene | 0.092 | 0.002 | " | 0.100 | 0.002 | 90.1 | 65.1-130 | | | |
| Ethylbenzene | 0.096 | 0.002 | " | 0.100 | 0.002 | 93.7 | 62.2-130 | | | |
| m,p-Xylene | 0.189 | 0.004 | " | 0.200 | 0.004 | 92.3 | 46.5-137 | | | |
| o-Xylene | 0.098 | 0.002 | " | 0.100 | 0.003 | 94.2 | 54.2-134 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 65 | | ug/kg | 62.5 | | 104 | 70-130 | | | |
| Surrogate: Toluene-d8 | 62 | | " | 62.5 | | 99.4 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 72 | | " | 62.5 | | 115 | 70-130 | | | |

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Quandary Consultants
2252 Emerson St.
Denver CO 80205

Asher Weinberg
Project Number: FCE005
Project: Critter Creek 5-10H

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 B8A1701 - EPA 5030 (soil)

| Matrix Spike Dup (B8A1701-MSD1) | | Source: Y801214-01 | | | Prepared: 01/17/2018 Analyzed: 01/17/2018 | | | | | |
|----------------------------------|-------|--------------------|-------|-------|---|------|----------|-------|------|-------|
| Benzene | 0.120 | 0.002 | mg/kg | 0.100 | ND | 120 | 71.8-126 | 24.3 | 11.3 | QR-02 |
| Toluene | 0.114 | 0.002 | " | 0.100 | 0.006 | 108 | 65.1-130 | 27.0 | 15.4 | QR-02 |
| Ethylbenzene | 0.131 | 0.002 | " | 0.100 | 0.014 | 117 | 62.2-130 | 14.6 | 19.6 | |
| m,p-Xylene | 0.269 | 0.004 | " | 0.200 | 0.046 | 111 | 46.5-137 | 12.4 | 19.2 | |
| o-Xylene | 0.169 | 0.002 | " | 0.100 | 0.061 | 107 | 54.2-134 | 0.190 | 17.9 | |
| Surrogate: 1,2-Dichloroethane-d4 | 64 | | ug/kg | 62.5 | | 103 | 70-130 | | | |
| Surrogate: Toluene-d8 | 60 | | " | 62.5 | | 95.3 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 71 | | " | 62.5 | | 113 | 70-130 | | | |

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Jen Pellegrini For Noelle Doyle Mathis, President

Quandary Consultants
2252 Emerson St.
Denver CO 80205

Asher Weinberg
Project Number: FCE005
Project: Critter Creek 5-10H

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 B8A1701 - EPA 5030 (soil)

| Matrix Spike Dup (B8A1701-MSD2) | | Source: Y801214-02 | | | Prepared: 01/17/2018 Analyzed: 01/17/2018 | | | | | |
|----------------------------------|-------|--------------------|-------|-------|---|------|----------|------|------|--|
| Benzene | 0.091 | 0.002 | mg/kg | 0.100 | ND | 90.5 | 71.8-126 | 4.68 | 11.3 | |
| Toluene | 0.085 | 0.002 | " | 0.100 | 0.002 | 82.4 | 65.1-130 | 8.71 | 15.4 | |
| Ethylbenzene | 0.088 | 0.002 | " | 0.100 | 0.002 | 85.8 | 62.2-130 | 8.55 | 19.6 | |
| m,p-Xylene | 0.174 | 0.004 | " | 0.200 | 0.004 | 84.8 | 46.5-137 | 8.20 | 19.2 | |
| o-Xylene | 0.090 | 0.002 | " | 0.100 | 0.003 | 86.5 | 54.2-134 | 8.17 | 17.9 | |
| Surrogate: 1,2-Dichloroethane-d4 | 65 | | ug/kg | 62.5 | | 104 | 70-130 | | | |
| Surrogate: Toluene-d8 | 62 | | " | 62.5 | | 99.6 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 71 | | " | 62.5 | | 114 | 70-130 | | | |

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Quandary Consultants
2252 Emerson St.
Denver CO 80205

Asher Weinberg
Project Number: FCE005
Project: Critter Creek 5-10H

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 B8A1702 - EPA 3550B

Blank (B8A1702-BLK1)

Prepared: 01/17/2018 Analyzed: 01/18/2018

| | | | | | | | | | | |
|------------------------|----|------|-------|------|--|------|--------|--|--|---|
| Gasoline (C6-C10) | ND | 50.0 | mg/kg | | | | | | | U |
| Diesel (C10-C28) | ND | 50.0 | " | | | | | | | U |
| Surrogate: o-Terphenyl | 47 | | " | 50.0 | | 94.9 | 59-131 | | | |

Blank (B8A1702-BLK2)

Prepared: 01/17/2018 Analyzed: 01/18/2018

| | | | | | | | | | | |
|------------------------|----|------|-------|------|--|------|--------|--|--|---|
| Gasoline (C6-C10) | ND | 50.0 | mg/kg | | | | | | | U |
| Diesel (C10-C28) | ND | 50.0 | " | | | | | | | U |
| Surrogate: o-Terphenyl | 45 | | " | 50.0 | | 90.8 | 59-131 | | | |

Blank (B8A1702-BLK3)

Prepared: 01/17/2018 Analyzed: 01/17/2018

| | | | | | | | | | | |
|------------------------|----|------|-------|------|--|------|--------|--|--|---|
| Gasoline (C6-C10) | ND | 50.0 | mg/kg | | | | | | | U |
| Diesel (C10-C28) | ND | 50.0 | " | | | | | | | U |
| Surrogate: o-Terphenyl | 38 | | " | 50.0 | | 76.0 | 59-131 | | | |

LCS (B8A1702-BS1)

Prepared: 01/17/2018 Analyzed: 01/18/2018

| | | | | | | | | | | |
|------------------------|------|------|-------|------|--|------|--------|--|--|--|
| Gasoline (C6-C10) | 972 | 50.0 | mg/kg | 1000 | | 97.2 | 59-133 | | | |
| Diesel (C10-C28) | 1000 | 50.0 | " | 1000 | | 100 | 64-121 | | | |
| Surrogate: o-Terphenyl | 49 | | " | 50.0 | | 98.4 | 59-131 | | | |

LCS (B8A1702-BS2)

Prepared: 01/17/2018 Analyzed: 01/18/2018

| | | | | | | | | | | |
|-------------------|-----|------|-------|------|--|------|--------|--|--|--|
| Gasoline (C6-C10) | 804 | 50.0 | mg/kg | 1000 | | 80.4 | 59-133 | | | |
| Diesel (C10-C28) | 777 | 50.0 | " | 1000 | | 77.7 | 64-121 | | | |

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.

Quandary Consultants
2252 Emerson St.
Denver CO 80205

Asher Weinberg
Project Number: FCE005
Project: Critter Creek 5-10H

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 B8A1702 - EPA 3550B | | | | | | | | | | |
| LCS (B8A1702-BS2) | | | | | Prepared: 01/17/2018 Analyzed: 01/18/2018 | | | | | |
| Surrogate: o-Terphenyl | 43 | | mg/kg | 50.0 | | 86.2 | 59-131 | | | |
| LCS (B8A1702-BS3) | | | | | Prepared: 01/17/2018 Analyzed: 01/17/2018 | | | | | |
| Gasoline (C6-C10) | 955 | 50.0 | mg/kg | 1000 | | 95.5 | 59-133 | | | |
| Diesel (C10-C28) | 963 | 50.0 | " | 1000 | | 96.3 | 64-121 | | | |
| Surrogate: o-Terphenyl | 50 | | " | 50.0 | | 99.7 | 59-131 | | | |
| Matrix Spike (B8A1702-MS1) | | | | | Source: Y801214-03 | | Prepared: 01/17/2018 Analyzed: 01/18/2018 | | | |
| Gasoline (C6-C10) | 985 | 50.0 | mg/kg | 1000 | ND | 98.5 | 57-139 | | | |
| Diesel (C10-C28) | 946 | 50.0 | " | 1000 | ND | 94.6 | 53-125 | | | |
| Surrogate: o-Terphenyl | 50 | | " | 50.0 | | 100 | 59-131 | | | |
| Matrix Spike (B8A1702-MS2) | | | | | Source: Y801242-11 | | Prepared: 01/17/2018 Analyzed: 01/18/2018 | | | |
| Gasoline (C6-C10) | 1020 | 50.0 | mg/kg | 1000 | ND | 102 | 57-139 | | | |
| Diesel (C10-C28) | 1000 | 50.0 | " | 1000 | ND | 100 | 53-125 | | | |
| Surrogate: o-Terphenyl | 51 | | " | 50.0 | | 102 | 59-131 | | | |
| Matrix Spike (B8A1702-MS3) | | | | | Source: Y801242-15 | | Prepared: 01/17/2018 Analyzed: 01/17/2018 | | | |
| Gasoline (C6-C10) | 957 | 50.0 | mg/kg | 1000 | ND | 95.7 | 57-139 | | | |
| Diesel (C10-C28) | 958 | 50.0 | " | 1000 | ND | 95.8 | 53-125 | | | |
| Surrogate: o-Terphenyl | 52 | | " | 50.0 | | 103 | 59-131 | | | |
| Matrix Spike Dup (B8A1702-MSD1) | | | | | Source: Y801214-03 | | Prepared: 01/17/2018 Analyzed: 01/18/2018 | | | |
| Gasoline (C6-C10) | 1120 | 50.0 | mg/kg | 1000 | ND | 112 | 57-139 | 13.1 | 20 | |
| Diesel (C10-C28) | 1090 | 50.0 | " | 1000 | ND | 109 | 53-125 | 13.8 | 20 | |
| Surrogate: o-Terphenyl | 57 | | " | 50.0 | | 114 | 59-131 | | | |
| Matrix Spike Dup (B8A1702-MSD2) | | | | | Source: Y801242-11 | | Prepared: 01/17/2018 Analyzed: 01/18/2018 | | | |

Origins Laboratory, Inc.



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Quandary Consultants
2252 Emerson St.
Denver CO 80205

Asher Weinberg
Project Number: FCE005
Project: Critter Creek 5-10H

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 B8A1702 - EPA 3550B | | | | | | | | | | |
| Matrix Spike Dup (B8A1702-MSD2) | | | Source: Y801242-11 | | Prepared: 01/17/2018 Analyzed: 01/18/2018 | | | | | |
| Gasoline (C6-C10) | 1020 | 50.0 | mg/kg | 1000 | ND | 102 | 57-139 | 0.414 | 20 | |
| Diesel (C10-C28) | 1020 | 50.0 | " | 1000 | ND | 102 | 53-125 | 1.82 | 20 | |
| Surrogate: o-Terphenyl | 50 | | " | 50.0 | | 101 | 59-131 | | | |
| Matrix Spike Dup (B8A1702-MSD3) | | | Source: Y801242-15 | | Prepared: 01/17/2018 Analyzed: 01/17/2018 | | | | | |
| Gasoline (C6-C10) | 993 | 50.0 | mg/kg | 1000 | ND | 99.3 | 57-139 | 3.70 | 20 | |
| Diesel (C10-C28) | 982 | 50.0 | " | 1000 | ND | 98.2 | 53-125 | 2.48 | 20 | |
| Surrogate: o-Terphenyl | 50 | | " | 50.0 | | 100 | 59-131 | | | |

Origins Laboratory, Inc.



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Quandary Consultants
2252 Emerson St.
Denver CO 80205

Asher Weinberg
Project Number: FCE005
Project: Critter Creek 5-10H

Classical Chemistry Parameters - Quality Control Origins Laboratory, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------------|---|-----------------|----------|-------------|---|------|-------------|------|-----------|-------|
| Batch B8A1703 - NO PREP | | | | | | | | | | |
| Duplicate (B8A1703-DUP1) | Source: Y801236-01 | | | | Prepared: 01/17/2018 Analyzed: 01/17/2018 | | | | | |
| pH | 8.80 | | pH Units | | 8.45 | | | 4.06 | 25 | |
| Duplicate (B8A1703-DUP2) | Source: Y801236-02 | | | | Prepared: 01/17/2018 Analyzed: 01/17/2018 | | | | | |
| pH | 7.96 | | pH Units | | 8.80 | | | 10.0 | 25 | |
| Batch B8A1704 - NO PREP | | | | | | | | | | |
| Blank (B8A1704-BLK1) | Prepared: 01/17/2018 Analyzed: 01/17/2018 | | | | | | | | | |
| Specific Conductance (EC) | 0.00290 | | mmhos/cm | | | | | | | |
| Blank (B8A1704-BLK2) | Prepared: 01/17/2018 Analyzed: 01/17/2018 | | | | | | | | | |
| Specific Conductance (EC) | 0.00290 | | mmhos/cm | | | | | | | |
| Duplicate (B8A1704-DUP1) | Source: Y801236-01 | | | | Prepared: 01/17/2018 Analyzed: 01/17/2018 | | | | | |
| Specific Conductance (EC) | 0.261 | | mmhos/cm | | 0.284 | | | 8.40 | 25 | |
| Duplicate (B8A1704-DUP2) | Source: Y801236-02 | | | | Prepared: 01/17/2018 Analyzed: 01/17/2018 | | | | | |
| Specific Conductance (EC) | 0.0895 | | mmhos/cm | | 0.0987 | | | 9.78 | 25 | |

Origins Laboratory, Inc.



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Quandary Consultants
2252 Emerson St.
Denver CO 80205

Asher Weinberg
Project Number: FCE005
Project: Critter Creek 5-10H

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.

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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