

TABLE 1
GROUNDWATER ANALYTICAL AND FIELD RESULTS
CAMP 13-19A
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE, LP

| Well Name | Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) | Depth to Water/ (Product Thickness) (ft bgs) | Relative GW Elev. (ft) |
|-------------------------------|------------|-------------------|-------------------|------------------------|-------------------------|---|------------------------------|
| COGCC Allowable Levels | | 5 | 560 | 700 | 1400 | | |
| GW01 | 12/10/2019 | 37.8 | <4.00 | 4.44 | <4.00 | 5 | NA |
| GW02 | 12/13/2019 | <4.00 | <4.00 | <4.00 | <4.00 | 5 | NA |
| MW01 | 8/28/2020 | <1.00 | <1.00 | <1.00 | <1.00 | 4.79 | 95.51 |
| MW02 | 8/28/2020 | <1.00 | <1.00 | <1.00 | <1.00 | 5.55 | 95.63 |
| MW03 | 8/28/2020 | <1.00 | <1.00 | <1.00 | <1.00 | 4.75 | 95.41 |
| MW04 | 8/28/2020 | <1.00 | <1.00 | <1.00 | <1.00 | 4.51 | 95.28 |
| MW05 | 8/28/2020 | <1.00 | <1.00 | <1.00 | <1.00 | 4.40 | 95.17 |
| MW06 | 8/28/2020 | <1.00 | <1.00 | <1.00 | <1.00 | 5.02 | 95.43 |
| MW07 | 8/28/2020 | <1.00 | <1.00 | <1.00 | <1.00 | 5.09 | 95.26 |
| MW08 | 8/28/2020 | <1.00 | <1.00 | <1.00 | <1.00 | 4.55 | 95.62 |
| MW09 | 8/28/2020 | <1.00 | <1.00 | <1.00 | <1.00 | 5.26 | 95.71 |

Notes: COGCC - Colorado Oil and Gas Conservation Commission µg/L - micrograms per liter
ft bgs - feet below ground surface < - less than laboratory reporting limit
NA - not analyzed/not available Excavation groundwater depth is approximate
NM - not measured
Corrected Relative GW Elev. is used when LNAPL is present.
BOLD = Analytical result is in exceedance of COGCC Table 910-1 groundwater standards.





September 04, 2020

LT Environmental, Inc.

Brian Sulzberger

4600 West 60th Avenue

Arvada CO 80003

Project Name - KMG - Camp 13-19A

Project Number - 014219247

Attached are your analytical results for KMG - Camp 13-19A received by Origins Laboratory, Inc. August 28, 2020. This project is associated with Origins project number Y008430-01.

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: 014219247
Project: KMG - Camp 13-19A

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|-----------------------|------------------|
| MW01 | Y008430-01 | Water | August 28, 2020 14:11 | 08/28/2020 16:22 |
| MW02 | Y008430-02 | Water | August 28, 2020 14:26 | 08/28/2020 16:22 |
| MW03 | Y008430-03 | Water | August 28, 2020 14:22 | 08/28/2020 16:22 |
| MW04 | Y008430-04 | Water | August 28, 2020 14:03 | 08/28/2020 16:22 |
| MW05 | Y008430-05 | Water | August 28, 2020 13:48 | 08/28/2020 16:22 |
| MW06 | Y008430-06 | Water | August 28, 2020 13:57 | 08/28/2020 16:22 |
| MW07 | Y008430-07 | Water | August 28, 2020 13:40 | 08/28/2020 16:22 |
| MW08 | Y008430-08 | Water | August 28, 2020 14:44 | 08/28/2020 16:22 |
| MW09 | Y008430-09 | Water | August 28, 2020 14:34 | 08/28/2020 16:22 |

Origins Laboratory, Inc.



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LT Environmental, Inc.
 4600 West 60th Avenue
 Arvada CO 80003

Brian Sulzberger
 Project Number: 014219247
 Project: KMG - Camp 13-19A

Origins Laboratory

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

Origins Work Order: Y1008430

Sample Receipt Checklist

Client: LTE
 Client Project ID: Camp 13-19A

Checklist Completed by: SEK KDK
 Date/time completed: 08/31/20

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

Matrix(s) Received: (Check all that apply): 1 Soil/Solid Water Other: _____

Cooler Number/Temperature: 1, 10-3 °C / _____ °C / _____ °C (Describe) _____ °C

Thermometer ID: T003

| 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"/> | | 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) | | | | |
| Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact) | | | | |
| Were all samples received intact ⁽¹⁾ ? | <input checked="" type="checkbox"/> | | | |
| Was adequate sample volume provided ⁽¹⁾ ? | <input checked="" type="checkbox"/> | | | |
| Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ? | | | | |
| Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ? | <input checked="" type="checkbox"/> | | | |
| Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ? | <input checked="" type="checkbox"/> | | | |
| Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ? | <input checked="" type="checkbox"/> | | | |
| Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ? | <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 ⁽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+NaOH) | | | <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: JM (Project Manager) Date/Time Reviewed: 9-1-20

Origins Laboratory, Inc.



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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: 014219247
Project: KMG - Camp 13-19A

MW01

8/28/2020 2:11:00PM

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

Origins Laboratory, Inc.
Y008430-01 (Water)

BTEX by EPA 8260D

| | | | | | | | | | |
|----------------|----|------|------|---|---------|-----|------------|------------|---|
| Benzene | ND | 1.00 | ug/L | 1 | B0H3101 | ZZZ | 08/31/2020 | 09/03/2020 | U |
| Toluene | ND | 1.00 | " | " | " | ZZZ | " | " | U |
| Ethylbenzene | ND | 1.00 | " | " | " | ZZZ | " | " | U |
| Xylenes, total | ND | 1.00 | " | " | " | ZZZ | " | " | U |

| | | | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 119 % | 70-130 | | | " | " | " | " | |
| Surrogate: Toluene-d8 | 96.6 % | 70-130 | | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 95.9 % | 70-130 | | | " | " | " | " | |

Origins Laboratory, Inc.



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LT Environmental, Inc.
 4600 West 60th Avenue
 Arvada CO 80003

Brian Sulzberger
 Project Number: 014219247
 Project: KMG - Camp 13-19A

MW02

8/28/2020 2:26:00PM

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

Origins Laboratory, Inc.
Y008430-02 (Water)

BTEX by EPA 8260D

| | | | | | | | | | |
|----------------|----|------|------|---|---------|-----|------------|------------|---|
| Benzene | ND | 1.00 | ug/L | 1 | B0H3101 | ZZZ | 08/31/2020 | 09/03/2020 | U |
| Toluene | ND | 1.00 | " | " | " | ZZZ | " | " | U |
| Ethylbenzene | ND | 1.00 | " | " | " | ZZZ | " | " | U |
| Xylenes, total | ND | 1.00 | " | " | " | ZZZ | " | " | U |

| | | | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 121 % | 70-130 | | | " | " | " | " | |
| Surrogate: Toluene-d8 | 95.0 % | 70-130 | | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 97.0 % | 70-130 | | | " | " | " | " | |

Origins Laboratory, Inc.



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LT Environmental, Inc.
 4600 West 60th Avenue
 Arvada CO 80003

Brian Sulzberger
 Project Number: 014219247
 Project: KMG - Camp 13-19A

MW03

8/28/2020 2:22:00PM

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

Origins Laboratory, Inc.
Y008430-03 (Water)

BTEX by EPA 8260D

| | | | | | | | | | |
|----------------|----|------|------|---|---------|-----|------------|------------|---|
| Benzene | ND | 1.00 | ug/L | 1 | B0H3101 | ZZZ | 08/31/2020 | 09/03/2020 | U |
| Toluene | ND | 1.00 | " | " | " | ZZZ | " | " | U |
| Ethylbenzene | ND | 1.00 | " | " | " | ZZZ | " | " | U |
| Xylenes, total | ND | 1.00 | " | " | " | ZZZ | " | " | U |

| | | | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 122 % | 70-130 | | | " | " | " | " | |
| Surrogate: Toluene-d8 | 96.2 % | 70-130 | | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 96.5 % | 70-130 | | | " | " | " | " | |

Origins Laboratory, Inc.



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LT Environmental, Inc.
 4600 West 60th Avenue
 Arvada CO 80003

Brian Sulzberger
 Project Number: 014219247
 Project: KMG - Camp 13-19A

MW04

8/28/2020 2:03:00PM

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

Origins Laboratory, Inc.
Y008430-04 (Water)

BTEX by EPA 8260D

| | | | | | | | | | |
|---|--------|--------|------|---|---------|-----|------------|------------|---|
| Benzene | ND | 1.00 | ug/L | 1 | B0H3101 | ZZZ | 08/31/2020 | 09/03/2020 | U |
| Toluene | ND | 1.00 | " | " | " | ZZZ | " | " | U |
| Ethylbenzene | ND | 1.00 | " | " | " | ZZZ | " | " | U |
| Xylenes, total | ND | 1.00 | " | " | " | ZZZ | " | " | U |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 123 % | 70-130 | | | " | " | | " | |
| <i>Surrogate: Toluene-d8</i> | 95.3 % | 70-130 | | | " | " | | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 97.0 % | 70-130 | | | " | " | | " | |

Origins Laboratory, Inc.



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LT Environmental, Inc.
 4600 West 60th Avenue
 Arvada CO 80003

Brian Sulzberger
 Project Number: 014219247
 Project: KMG - Camp 13-19A

MW05

8/28/2020 1:48:00PM

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

Origins Laboratory, Inc.
Y008430-05 (Water)

BTEX by EPA 8260D

| | | | | | | | | | |
|----------------|----|------|------|---|---------|-----|------------|------------|---|
| Benzene | ND | 1.00 | ug/L | 1 | B0H3101 | ZZZ | 08/31/2020 | 09/02/2020 | U |
| Toluene | ND | 1.00 | " | " | " | ZZZ | " | " | U |
| Ethylbenzene | ND | 1.00 | " | " | " | ZZZ | " | " | U |
| Xylenes, total | ND | 1.00 | " | " | " | ZZZ | " | " | U |

| | | | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 106 % | 70-130 | | | " | " | " | " | |
| Surrogate: Toluene-d8 | 100 % | 70-130 | | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 96.0 % | 70-130 | | | " | " | " | " | |

Origins Laboratory, Inc.



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LT Environmental, Inc.
 4600 West 60th Avenue
 Arvada CO 80003

Brian Sulzberger
 Project Number: 014219247
 Project: KMG - Camp 13-19A

MW06

8/28/2020 1:57:00PM

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

Origins Laboratory, Inc.
Y008430-06 (Water)

BTEX by EPA 8260D

| | | | | | | | | | |
|----------------------------------|--------|--------|------|---|---------|-----|------------|------------|---|
| Benzene | ND | 1.00 | ug/L | 1 | B0H3101 | ZZZ | 08/31/2020 | 09/02/2020 | U |
| Toluene | ND | 1.00 | " | " | " | ZZZ | " | " | U |
| Ethylbenzene | ND | 1.00 | " | " | " | ZZZ | " | " | U |
| Xylenes, total | ND | 1.00 | " | " | " | ZZZ | " | " | U |
| Surrogate: 1,2-Dichloroethane-d4 | 107 % | 70-130 | | | " | " | | " | |
| Surrogate: Toluene-d8 | 98.6 % | 70-130 | | | " | " | | " | |
| Surrogate: 4-Bromofluorobenzene | 97.6 % | 70-130 | | | " | " | | " | |

Origins Laboratory, Inc.



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LT Environmental, Inc.
 4600 West 60th Avenue
 Arvada CO 80003

Brian Sulzberger
 Project Number: 014219247
 Project: KMG - Camp 13-19A

MW07

8/28/2020 1:40:00PM

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

Origins Laboratory, Inc.
Y008430-07 (Water)

BTEX by EPA 8260D

| | | | | | | | | | |
|----------------|----|------|------|---|---------|-----|------------|------------|---|
| Benzene | ND | 1.00 | ug/L | 1 | B0H3101 | ZZZ | 08/31/2020 | 09/02/2020 | U |
| Toluene | ND | 1.00 | " | " | " | ZZZ | " | " | U |
| Ethylbenzene | ND | 1.00 | " | " | " | ZZZ | " | " | U |
| Xylenes, total | ND | 1.00 | " | " | " | ZZZ | " | " | U |

| | | | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 108 % | 70-130 | | | " | " | " | " | |
| Surrogate: Toluene-d8 | 99.6 % | 70-130 | | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 97.2 % | 70-130 | | | " | " | " | " | |

Origins Laboratory, Inc.



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LT Environmental, Inc.
 4600 West 60th Avenue
 Arvada CO 80003

Brian Sulzberger
 Project Number: 014219247
 Project: KMG - Camp 13-19A

MW08

8/28/2020 2:44:00PM

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

Origins Laboratory, Inc.
Y008430-08 (Water)

BTEX by EPA 8260D

| | | | | | | | | | |
|----------------|----|------|------|---|---------|-----|------------|------------|---|
| Benzene | ND | 1.00 | ug/L | 1 | B0H3101 | ZZZ | 08/31/2020 | 09/02/2020 | U |
| Toluene | ND | 1.00 | " | " | " | ZZZ | " | " | U |
| Ethylbenzene | ND | 1.00 | " | " | " | ZZZ | " | " | U |
| Xylenes, total | ND | 1.00 | " | " | " | ZZZ | " | " | U |

| | | | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 108 % | 70-130 | | | " | " | " | " | |
| Surrogate: Toluene-d8 | 100 % | 70-130 | | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 96.6 % | 70-130 | | | " | " | " | " | |

Origins Laboratory, Inc.



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LT Environmental, Inc.
 4600 West 60th Avenue
 Arvada CO 80003

Brian Sulzberger
 Project Number: 014219247
 Project: KMG - Camp 13-19A

MW09

8/28/2020 2:34:00PM

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

Origins Laboratory, Inc.
Y008430-09 (Water)

BTEX by EPA 8260D

| | | | | | | | | | |
|----------------|----|------|------|---|---------|-----|------------|------------|---|
| Benzene | ND | 1.00 | ug/L | 1 | B0H3101 | ZZZ | 08/31/2020 | 09/02/2020 | U |
| Toluene | ND | 1.00 | " | " | " | ZZZ | " | " | U |
| Ethylbenzene | ND | 1.00 | " | " | " | ZZZ | " | " | U |
| Xylenes, total | ND | 1.00 | " | " | " | ZZZ | " | " | U |

| | | | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 110 % | 70-130 | | | " | " | " | " | |
| Surrogate: Toluene-d8 | 96.6 % | 70-130 | | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 98.5 % | 70-130 | | | " | " | " | " | |

Origins Laboratory, Inc.



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LT Environmental, Inc.
 4600 West 60th Avenue
 Arvada CO 80003

Brian Sulzberger
 Project Number: 014219247
 Project: KMG - Camp 13-19A

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

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

Batch B0H3101 - EPA 5030B (Water)

Blank (B0H3101-BLK1)

Prepared: 08/31/2020 Analyzed: 09/03/2020

| | | | | | | | | | | |
|----------------------------------|----|------|------|------|------|--|--------|--|--|---|
| Benzene | ND | 1.00 | ug/L | | | | | | | U |
| Toluene | ND | 1.00 | " | | | | | | | U |
| Ethylbenzene | ND | 1.00 | " | | | | | | | U |
| Xylenes, total | ND | 1.00 | " | | | | | | | U |
| Surrogate: 1,2-Dichloroethane-d4 | 73 | | " | 62.5 | 117 | | 70-130 | | | |
| Surrogate: Toluene-d8 | 61 | | " | 62.5 | 97.0 | | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 61 | | " | 62.5 | 98.1 | | 70-130 | | | |

Origins Laboratory, Inc.



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LT Environmental, Inc.
 4600 West 60th Avenue
 Arvada CO 80003

Brian Sulzberger
 Project Number: 014219247
 Project: KMG - Camp 13-19A

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

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

Batch B0H3101 - EPA 5030B (Water)

LCS (B0H3101-BS1)

Prepared: 08/31/2020 Analyzed: 09/03/2020

| | | | | | | | | | | |
|----------------------------------|------|------|------|------|--|------|--------|--|--|--|
| Benzene | 53.7 | 1.00 | ug/L | 50.0 | | 107 | 70-130 | | | |
| Toluene | 53.0 | 1.00 | " | 50.0 | | 106 | 70-130 | | | |
| Ethylbenzene | 56.6 | 1.00 | " | 50.0 | | 113 | 70-130 | | | |
| m,p-Xylene | 113 | 2.00 | " | 100 | | 113 | 70-130 | | | |
| o-Xylene | 57.0 | 1.00 | " | 50.0 | | 114 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 77 | | " | 62.5 | | 124 | 70-130 | | | |
| Surrogate: Toluene-d8 | 61 | | " | 62.5 | | 97.6 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 61 | | " | 62.5 | | 98.1 | 70-130 | | | |

Origins Laboratory, Inc.



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LT Environmental, Inc.
 4600 West 60th Avenue
 Arvada CO 80003

Brian Sulzberger
 Project Number: 014219247
 Project: KMG - Camp 13-19A

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

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

Batch B0H3101 - EPA 5030B (Water)

| Matrix Spike (B0H3101-MS1) | Source: Y008430-01 | | | Prepared: 08/31/2020 Analyzed: 09/03/2020 | | | | | | |
|----------------------------------|--------------------|------|------|---|----|------|--------|--|--|--|
| Benzene | 50.4 | 1.00 | ug/L | 50.0 | ND | 101 | 70-130 | | | |
| Toluene | 49.9 | 1.00 | " | 50.0 | ND | 99.8 | 70-130 | | | |
| Ethylbenzene | 52.4 | 1.00 | " | 50.0 | ND | 105 | 70-130 | | | |
| m,p-Xylene | 107 | 2.00 | " | 100 | ND | 107 | 70-130 | | | |
| o-Xylene | 54.2 | 1.00 | " | 50.0 | ND | 108 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 79 | | " | 62.5 | | 126 | 70-130 | | | |
| Surrogate: Toluene-d8 | 61 | | " | 62.5 | | 97.6 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 61 | | " | 62.5 | | 97.1 | 70-130 | | | |

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LT Environmental, Inc.
 4600 West 60th Avenue
 Arvada CO 80003

Brian Sulzberger
 Project Number: 014219247
 Project: KMG - Camp 13-19A

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

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

Batch B0H3101 - EPA 5030B (Water)

| Matrix Spike Dup (B0H3101-MSD1) | Source: Y008430-01 | | | Prepared: 08/31/2020 Analyzed: 09/03/2020 | | | | | | |
|----------------------------------|--------------------|------|------|---|----|------|--------|------|----|--|
| Benzene | 44.5 | 1.00 | ug/L | 50.0 | ND | 89.0 | 70-130 | 12.4 | 20 | |
| Toluene | 43.6 | 1.00 | " | 50.0 | ND | 87.2 | 70-130 | 13.4 | 20 | |
| Ethylbenzene | 46.0 | 1.00 | " | 50.0 | ND | 92.1 | 70-130 | 12.8 | 20 | |
| m,p-Xylene | 93.7 | 2.00 | " | 100 | ND | 93.7 | 70-130 | 12.9 | 20 | |
| o-Xylene | 49.2 | 1.00 | " | 50.0 | ND | 98.4 | 70-130 | 9.75 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 78 | | " | 62.5 | | 124 | 70-130 | | | |
| Surrogate: Toluene-d8 | 61 | | " | 62.5 | | 97.0 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 61 | | " | 62.5 | | 97.9 | 70-130 | | | |

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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.

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