

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
38-0000-5193-3
ADAMS COUNTY, COLORADO
KERR-MCGEE GATHERING, LLC

| COGCC Allowable Concentration (Soil) --> | | | | Organics (mg/kg) | | | | | | | |
|--|--------------|--------------------------|---|----------------------------------|------------------------------------|------------------------------------|---------|---------|--------------|-----------------|-------------|
| | | | | 500 | | | 0.17 | 85 | 100 | 175 | 23 |
| Sample ID: | Sample Date: | Sample Depth (feet bgs): | Photoionization Detector Reading (ppm): | TPH-GRO (C6-C10) Low Fraction | TPH-DRO (C10-C28) High Fraction | TPH-RRO (C28-C40) High Fraction | Benzene | Toluene | Ethylbenzene | Xylenes - total | Naphthalene |
| B01@6' | 01/17/2020 | 6' | 1.7 | <5.00 | <25.0 | <100 | <0.050 | <0.050 | <0.050 | <0.050 | <0.200 |
| E01@5' | 01/17/2020 | 5' | 0.3 | <5.00 | <25.0 | <100 | <0.050 | <0.050 | <0.050 | <0.050 | <0.200 |
| N01@5' | 01/17/2020 | 5' | 1.9 | <5.00 | <25.0 | <100 | <0.050 | <0.050 | <0.050 | <0.050 | <0.200 |
| S01@5' | 01/17/2020 | 5' | 0.2 | <5.00 | <25.0 | <100 | <0.050 | <0.050 | <0.050 | <0.050 | <0.200 |
| W01@5' | 01/17/2020 | 5' | 0.5 | <5.00 | <25.0 | <100 | <0.050 | <0.050 | <0.050 | <0.050 | <0.200 |

Notes: mg/kg - milligrams per kilogram
COGCC - Colorado Oil and Gas Conservation Commission
bgs - below ground surface
ppm - parts per million
TPH - total petroleum hydrocarbons

GRO - gasoline range organics
DRO - diesel range organics
RRO - residual range organics
NA - not analyzed
Bold indicates result exceeds allowable level



TABLE 2
GROUNDWATER ANALYTICAL AND FIELD RESULTS
38-0000-5193-3 GATHERING LINE
ADAMS COUNTY, COLORADO
KERR-MCGEE GATHERING, LLC

| 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 | 1/15/2020 | 49.9 | 39.8 | <4.00 | 8.52 | 1.5 | NA |
| GW02 | 1/17/2020 | <4.00 | <4.00 | <4.00 | <4.00 | 1.5 | NA |
| MW01 | 5/14/2020 | <1.00 | <1.00 | <1.00 | <1.00 | 0.73 | 99.47 |
| | 8/14/2020 | <1.00 | <1.00 | <1.00 | <1.00 | 2.83 | 97.37 |
| | 11/23/2020 | <1.00 | <1.00 | <1.00 | <1.00 | 3.35 | 96.85 |
| | 2/25/2021 | <1.00 | <1.00 | <1.00 | <1.00 | 2.45 | 97.75 |
| MW02 | 5/14/2020 | <1.00 | <1.00 | <1.00 | <1.00 | 1.48 | 98.53 |
| | 8/14/2020 | <1.00 | <1.00 | <1.00 | <1.00 | 3.40 | 96.61 |
| | 11/23/2020 | <1.00 | <1.00 | <1.00 | <1.00 | 3.86 | 96.15 |
| | 2/25/2021 | <1.00 | <1.00 | <1.00 | <1.00 | 2.85 | 97.16 |
| MW03 | 5/14/2020 | <1.00 | <1.00 | <1.00 | <1.00 | 0.85 | 97.98 |
| | 8/14/2020 | <1.00 | <1.00 | <1.00 | <1.00 | 2.81 | 96.02 |
| | 11/23/2020 | <1.00 | <1.00 | <1.00 | <1.00 | 3.18 | 95.65 |
| | 2/25/2021 | <1.00 | <1.00 | <1.00 | <1.00 | 2.17 | 96.66 |
| MW04 | 5/14/2020 | <1.00 | <1.00 | <1.00 | <1.00 | 1.65 | 98.24 |
| | 8/14/2020 | <1.00 | <1.00 | <1.00 | <1.00 | 3.10 | 96.79 |
| | 11/23/2020 | <1.00 | <1.00 | <1.00 | <1.00 | 3.54 | 96.35 |
| | 2/25/2021 | <1.00 | <1.00 | <1.00 | <1.00 | 2.70 | 97.19 |

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 915-1 groundwater standards.



May 21, 2020

LT Environmental, Inc.

Brian Sulzberger

4600 West 60th Avenue

Arvada

CO 80003

Project Name - KMG - 38-0000-5193-3

Project Number - 01422009

Attached are your analytical results for KMG - 38-0000-5193-3 received by Origins Laboratory, Inc. May 14, 2020. This project is associated with Origins project number Y005210-01.

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: 01422009
Project: KMG - 38-0000-5193-3

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|--------------------|------------------|
| MW01 | Y005210-01 | Water | May 14, 2020 14:41 | 05/14/2020 16:11 |
| MW02 | Y005210-02 | Water | May 14, 2020 14:28 | 05/14/2020 16:11 |
| MW03 | Y005210-03 | Water | May 14, 2020 13:56 | 05/14/2020 16:11 |
| MW04 | Y005210-04 | Water | May 14, 2020 14:36 | 05/14/2020 16:11 |

Origins Laboratory, Inc.



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

Brian Sulzberger
Project Number: 01422009
Project: KMG - 38-0000-5193-3

ORIGINS
LABORATORY, INC

www.originslaboratory.com

1005210

page 1 of 1

Client: LT Environmental Inc
Address: 4600 W 60th Ave
Arvada, CO 80003
Telephone Number: KMG group
Email Address:

Project Manager: Brian Sulzberger
Project Name: 38-0000-5193
Project Number: 01422009
Samples Collected By: AG & RV

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 Summ # | | |
| MW01 | 5-14 | 1441 | 3 | X | | | | X | | | | 1 |
| MW02 | 5-14 | 1428 | 3 | X | | | | X | | | | 2 |
| MW03 | 5-14 | 1356 | 3 | X | | | | X | | | | 3 |
| MW04 | 5-14 | 1436 | 3 | X | | | | X | | | | 4 |
| | | | | | | | | | | | | 5 |
| | | | | | | | | | | | | 6 |
| | | | | | | | | | | | | 7 |
| | | | | | | | | | | | | 8 |
| | | | | | | | | | | | | 9 |
| | | | | | | | | | | | | 10 |
| Relinquished By: Andy J. Cady | Date: 5/14/20 | Time: 1611 | | Received By: [Signature] | Date: 5/14/20 | Time: 1611 | | 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: | | | | | | |

Temp Received: 2.9 Date Results Needed

Origins Laboratory, Inc.

Jordan A. Merrill

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

Brian Sulzberger
Project Number: 01422009
Project: KMG - 38-0000-5193-3

Origins Laboratory

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

Origins Work Order: Y0045210 ^{KDK} Sample Receipt Checklist

Client: LTE

Client Project ID: KMG-38-0000-5193

Checklist Completed by: JE KDK

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

Date/time completed: 05/14/2020

Airbill #: N/A

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

Cooler Number/Temperature: 1 29 °C °C °C °C (Describe)

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"/> | <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 type="checkbox"/> | <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 type="checkbox"/> | <input type="checkbox"/> | <input checked="" 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 type="checkbox"/> | <input checked="" 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 checked="" type="checkbox"/> | <input 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 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) JE

5-15-20
Date/Time Reviewed

Origins Laboratory, Inc.

Jordan A. Merrill

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

Brian Sulzberger
Project Number: 01422009
Project: KMG - 38-0000-5193-3

MW01

5/14/2020 2:41:00PM

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

Origins Laboratory, Inc. Y005210-01 (Water)

BTEX by EPA 8260D

| | | | | | | | | | |
|----------------|----|------|------|---|---------|-----|------------|------------|---|
| Benzene | ND | 1.00 | ug/L | 1 | B0E1506 | ZZZ | 05/15/2020 | 05/19/2020 | 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 | 94.2 % | 70-130 | " | " | " |
| Surrogate: Toluene-d8 | 97.0 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 106 % | 70-130 | " | " | " |

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

Brian Sulzberger
Project Number: 01422009
Project: KMG - 38-0000-5193-3

MW02

5/14/2020 2:28:00PM

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

Origins Laboratory, Inc. Y005210-02 (Water)

BTEX by EPA 8260D

| | | | | | | | | | |
|----------------|----|------|------|---|---------|-----|------------|------------|---|
| Benzene | ND | 1.00 | ug/L | 1 | B0E1506 | ZZZ | 05/15/2020 | 05/19/2020 | 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 | 98.9 % | 70-130 | " | " | " |
| Surrogate: Toluene-d8 | 95.2 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 104 % | 70-130 | " | " | " |

Origins Laboratory, Inc.

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

Brian Sulzberger
Project Number: 01422009
Project: KMG - 38-0000-5193-3

MW03

5/14/2020 1:56:00PM

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

Origins Laboratory, Inc. Y005210-03 (Water)

BTEX by EPA 8260D

| | | | | | | | | | |
|----------------|----|------|------|---|---------|-----|------------|------------|---|
| Benzene | ND | 1.00 | ug/L | 1 | B0E1506 | ZZZ | 05/15/2020 | 05/19/2020 | 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 | 99.5 % | 70-130 | " | " | " |
| Surrogate: Toluene-d8 | 97.7 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 102 % | 70-130 | " | " | " |

Origins Laboratory, Inc.



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

Brian Sulzberger
Project Number: 01422009
Project: KMG - 38-0000-5193-3

MW04

5/14/2020 2:36:00PM

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

Origins Laboratory, Inc. Y005210-04 (Water)

BTEX by EPA 8260D

| | | | | | | | | | |
|----------------|----|------|------|---|---------|-----|------------|------------|---|
| Benzene | ND | 1.00 | ug/L | 1 | B0E1506 | ZZZ | 05/15/2020 | 05/19/2020 | 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 | 98.3 % | 70-130 | | | " | " | " |
| Surrogate: Toluene-d8 | 94.8 % | 70-130 | | | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 105 % | 70-130 | | | " | " | " |

Origins Laboratory, Inc.



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

Brian Sulzberger
Project Number: 01422009
Project: KMG - 38-0000-5193-3

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 B0E1506 - EPA 5030B (Water) | | | | | | | | | | |
| Blank (B0E1506-BLK1) | | | | | Prepared: 05/15/2020 Analyzed: 05/19/2020 | | | | | |
| 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 | 60 | | " | 62.5 | | 95.6 | 70-130 | | | |
| Surrogate: Toluene-d8 | 60 | | " | 62.5 | | 95.5 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 64 | | " | 62.5 | | 102 | 70-130 | | | |

Origins Laboratory, Inc.



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

Brian Sulzberger
Project Number: 01422009
Project: KMG - 38-0000-5193-3

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 B0E1506 - EPA 5030B (Water)

LCS (B0E1506-BS1)

Prepared: 05/15/2020 Analyzed: 05/19/2020

| | | | | | | | | | | |
|----------------------------------|------|------|------|------|--|------|--------|--|--|--|
| Benzene | 49.5 | 1.00 | ug/L | 50.0 | | 99.0 | 70-130 | | | |
| Toluene | 47.5 | 1.00 | " | 50.0 | | 95.1 | 70-130 | | | |
| Ethylbenzene | 59.3 | 1.00 | " | 50.0 | | 119 | 70-130 | | | |
| m,p-Xylene | 117 | 2.00 | " | 100 | | 117 | 70-130 | | | |
| o-Xylene | 51.5 | 1.00 | " | 50.0 | | 103 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 62 | | " | 62.5 | | 99.6 | 70-130 | | | |
| Surrogate: Toluene-d8 | 61 | | " | 62.5 | | 97.4 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 65 | | " | 62.5 | | 104 | 70-130 | | | |

Origins Laboratory, Inc.



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

Brian Sulzberger
Project Number: 01422009
Project: KMG - 38-0000-5193-3

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 B0E1506 - EPA 5030B (Water)

| Matrix Spike (B0E1506-MS1) | | Source: Y005213-01 | | | Prepared: 05/15/2020 Analyzed: 05/19/2020 | | | | | |
|----------------------------------|------|--------------------|------|------|---|------|--------|--|--|-------|
| Benzene | 62.0 | 1.00 | ug/L | 50.0 | ND | 124 | 70-130 | | | |
| Toluene | 62.0 | 1.00 | " | 50.0 | ND | 124 | 70-130 | | | |
| Ethylbenzene | 75.6 | 1.00 | " | 50.0 | ND | 151 | 70-130 | | | QM-07 |
| m,p-Xylene | 148 | 2.00 | " | 100 | ND | 148 | 70-130 | | | QM-07 |
| o-Xylene | 67.1 | 1.00 | " | 50.0 | ND | 134 | 70-130 | | | QM-07 |
| Surrogate: 1,2-Dichloroethane-d4 | 62 | | " | 62.5 | | 98.6 | 70-130 | | | |
| Surrogate: Toluene-d8 | 64 | | " | 62.5 | | 103 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 64 | | " | 62.5 | | 102 | 70-130 | | | |

Origins Laboratory, Inc.



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

Brian Sulzberger
Project Number: 01422009
Project: KMG - 38-0000-5193-3

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 B0E1506 - EPA 5030B (Water)

| Matrix Spike Dup (B0E1506-MSD1) | | Source: Y005213-01 | | | Prepared: 05/15/2020 Analyzed: 05/19/2020 | | | | | |
|----------------------------------|------|--------------------|------|------|---|------|--------|------|----|-------|
| Benzene | 59.9 | 1.00 | ug/L | 50.0 | ND | 120 | 70-130 | 3.38 | 20 | |
| Toluene | 56.9 | 1.00 | " | 50.0 | ND | 114 | 70-130 | 8.55 | 20 | |
| Ethylbenzene | 71.0 | 1.00 | " | 50.0 | ND | 142 | 70-130 | 6.15 | 20 | QM-07 |
| m,p-Xylene | 138 | 2.00 | " | 100 | ND | 138 | 70-130 | 6.67 | 20 | QM-07 |
| o-Xylene | 62.1 | 1.00 | " | 50.0 | ND | 124 | 70-130 | 7.74 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 53 | | " | 62.5 | | 84.4 | 70-130 | | | |
| Surrogate: Toluene-d8 | 61 | | " | 62.5 | | 97.5 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 66 | | " | 62.5 | | 105 | 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.

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

Brian Sulzberger
Project Number: 01422009
Project: KMG - 38-0000-5193-3

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.

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.



August 21, 2020

LT Environmental, Inc.

Brian Sulzberger

4600 West 60th Avenue

Arvada

CO 80003

Project Name - KMG - 38-0000-5193-3

Project Number - 0142120009/WO #89566

Attached are your analytical results for KMG - 38-0000-5193-3 received by Origins Laboratory, Inc. August 14, 2020. This project is associated with Origins project number Y008215-01.

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: 0142120009/WO #89566539
Project: KMG - 38-0000-5193-3

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|-----------------------|------------------|
| MW01 | Y008215-01 | Water | August 14, 2020 15:10 | 08/14/2020 16:55 |
| MW02 | Y008215-02 | Water | August 14, 2020 15:25 | 08/14/2020 16:55 |
| MW03 | Y008215-03 | Water | August 14, 2020 15:18 | 08/14/2020 16:55 |
| MW04 | Y008215-04 | Water | August 14, 2020 15:02 | 08/14/2020 16:55 |

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.

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

Brian Sulzberger
Project Number: 0142120009/WO #89566539
Project: KMG - 38-0000-5193-3

ORIGINS
LABORATORY, INC

1008215

Page 1 of 1

1725 Elk Place, Denver, CO 80211
Laboratory # - 303.433.1322

| Client: LT Environmental, Inc. | | Project Manager: Brian Sulzberger | | | | | |
|--------------------------------|-----------------------|---|-------------|-------------|----------------------------|-----|----------------------|
| Project: KMG - 38-0000-5193-3 | | Project Number: 0142120009/WO #89566539 | | | | | |
| Number | Sample Identification | Matrix | Sample Date | Sample Time | Container | Qty | Analyses |
| 01-001 | MW01 | Water | 8-14 | 1510 | 2 40mL Amber VOA Vial - HC | 3 | BTEX by EPA 8260D |
| 02-001 | MW02 | Water | 8-14 | 1525 | 2 40mL Amber VOA Vial - HC | 3 | BTEX by EPA 8260D |
| 03-001 | MW03 | Water | 8-14 | 1518 | 2 40mL Amber VOA Vial - HC | 3 | BTEX by EPA 8260D |
| 04-001 | MW04 | Water | 8-14 | 1502 | 2 40mL Amber VOA Vial - HC | 3 | BTEX by EPA 8260D |

Relinquished By: *Andy S. Gelp* 8/14/20 1655
Date / Time

Received By: _____
Date / Time

Relinquished By: *[Signature]* 8/14/20 1655
Date / Time

Received By: *[Signature]*
Date / Time

Temperature on Receipt: 4.1
Turn Around Time: ☐ 72-hr ☒ Standard
Same Day: ☐ 24-hr ☐ 48-hr

Origins Laboratory, Inc.

Jordan A. Merrill

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.

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

Brian Sulzberger
Project Number: 0142120009/WO #89566539
Project: KMG - 38-0000-5193-3

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: Y008215

Client: LTE

Client Project ID: 38-0000-5193-3

Checklist Completed by: JG KDK

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

Date/time completed: 08/17/20

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 4.1 °C 1 / 1 °C 1 / 1 °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"/> | <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 type="checkbox"/> | <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 type="checkbox"/> | <input type="checkbox"/> | <input checked="" 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 type="checkbox"/> | <input checked="" 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 checked="" type="checkbox"/> | <input 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 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) Jm

8-18-20
Date/Time Reviewed

Origins Laboratory, Inc.

Jm

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.

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

Brian Sulzberger
Project Number: 0142120009/WO #89566539
Project: KMG - 38-0000-5193-3

MW01

8/14/2020 3:10:00PM

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

Origins Laboratory, Inc. Y008215-01 (Water)

BTEX by EPA 8260D

| | | | | | | | | | |
|----------------|----|------|------|---|---------|-----|------------|------------|---|
| Benzene | ND | 1.00 | ug/L | 1 | B0H1416 | ZZZ | 08/14/2020 | 08/18/2020 | 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 | 103 % | 70-130 | " | " | " |
| Surrogate: Toluene-d8 | 101 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 94.7 % | 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.

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

Brian Sulzberger
Project Number: 0142120009/WO #89566539
Project: KMG - 38-0000-5193-3

MW02

8/14/2020 3:25:00PM

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

Origins Laboratory, Inc. Y008215-02 (Water)

BTEX by EPA 8260D

| | | | | | | | | | |
|----------------|----|------|------|---|---------|-----|------------|------------|---|
| Benzene | ND | 1.00 | ug/L | 1 | B0H1416 | ZZZ | 08/14/2020 | 08/18/2020 | 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 | 104 % | 70-130 | " | " | " |
| Surrogate: Toluene-d8 | 103 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 94.1 % | 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.

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

Brian Sulzberger
Project Number: 0142120009/WO #89566539
Project: KMG - 38-0000-5193-3

MW03

8/14/2020 3:18:00PM

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

Origins Laboratory, Inc. Y008215-03 (Water)

BTEX by EPA 8260D

| | | | | | | | | | |
|----------------|----|------|------|---|---------|-----|------------|------------|---|
| Benzene | ND | 1.00 | ug/L | 1 | B0H1416 | ZZZ | 08/14/2020 | 08/18/2020 | 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 | 104 % | 70-130 | " | " | " |
| Surrogate: Toluene-d8 | 101 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 94.7 % | 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.

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

Brian Sulzberger
Project Number: 0142120009/WO #89566539
Project: KMG - 38-0000-5193-3

MW04

8/14/2020 3:02:00PM

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

Origins Laboratory, Inc. Y008215-04 (Water)

BTEX by EPA 8260D

| | | | | | | | | | |
|----------------|----|------|------|---|---------|-----|------------|------------|---|
| Benzene | ND | 1.00 | ug/L | 1 | B0H1416 | ZZZ | 08/14/2020 | 08/18/2020 | 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 | 105 % | 70-130 | " | " | " |
| Surrogate: Toluene-d8 | 103 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 93.9 % | 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.

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

Brian Sulzberger
Project Number: 0142120009/WO #89566539
Project: KMG - 38-0000-5193-3

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 B0H1416 - EPA 5030B (Water) | | | | | | | | | | |
| Blank (B0H1416-BLK1) | | | | | Prepared: 08/14/2020 Analyzed: 08/18/2020 | | | | | |
| 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 | 61 | | " | 62.5 | | 97.1 | 70-130 | | | |
| Surrogate: Toluene-d8 | 61 | | " | 62.5 | | 97.5 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 59 | | " | 62.5 | | 95.0 | 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.

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

Brian Sulzberger
Project Number: 0142120009/WO #89566539
Project: KMG - 38-0000-5193-3

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 B0H1416 - EPA 5030B (Water) | | | | | | | | | | |
| LCS (B0H1416-BS1) | | | | | Prepared: 08/14/2020 Analyzed: 08/18/2020 | | | | | |
| Benzene | 46.5 | 1.00 | ug/L | 50.0 | | 93.0 | 70-130 | | | |
| Toluene | 52.8 | 1.00 | " | 50.0 | | 106 | 70-130 | | | |
| Ethylbenzene | 51.4 | 1.00 | " | 50.0 | | 103 | 70-130 | | | |
| m,p-Xylene | 105 | 2.00 | " | 100 | | 105 | 70-130 | | | |
| o-Xylene | 51.4 | 1.00 | " | 50.0 | | 103 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 64 | | " | 62.5 | | 102 | 70-130 | | | |
| Surrogate: Toluene-d8 | 62 | | " | 62.5 | | 100 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 61 | | " | 62.5 | | 97.3 | 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.

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

Brian Sulzberger
Project Number: 0142120009/WO #89566539
Project: KMG - 38-0000-5193-3

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 B0H1416 - EPA 5030B (Water)

| Matrix Spike (B0H1416-MS1) | | Source: Y008205-29 | | | Prepared: 08/14/2020 Analyzed: 08/18/2020 | | | | | |
|----------------------------------|------|--------------------|------|------|---|------|--------|--|--|--|
| Benzene | 52.1 | 1.00 | ug/L | 50.0 | ND | 104 | 70-130 | | | |
| Toluene | 61.3 | 1.00 | " | 50.0 | ND | 123 | 70-130 | | | |
| Ethylbenzene | 58.7 | 1.00 | " | 50.0 | ND | 117 | 70-130 | | | |
| m,p-Xylene | 118 | 2.00 | " | 100 | ND | 118 | 70-130 | | | |
| o-Xylene | 59.3 | 1.00 | " | 50.0 | ND | 119 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 63 | | " | 62.5 | | 100 | 70-130 | | | |
| Surrogate: Toluene-d8 | 66 | | " | 62.5 | | 106 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 61 | | " | 62.5 | | 97.2 | 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.

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

Brian Sulzberger
Project Number: 0142120009/WO #89566539
Project: KMG - 38-0000-5193-3

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 B0H1416 - EPA 5030B (Water) | | | | | | | | | | |
| Matrix Spike Dup (B0H1416-MSD1) | | | Source: Y008205-29 | | Prepared: 08/14/2020 Analyzed: 08/18/2020 | | | | | |
| Benzene | 48.3 | 1.00 | ug/L | 50.0 | ND | 96.6 | 70-130 | 7.63 | 20 | |
| Toluene | 57.6 | 1.00 | " | 50.0 | ND | 115 | 70-130 | 6.33 | 20 | |
| Ethylbenzene | 55.8 | 1.00 | " | 50.0 | ND | 112 | 70-130 | 4.98 | 20 | |
| m,p-Xylene | 112 | 2.00 | " | 100 | ND | 112 | 70-130 | 5.57 | 20 | |
| o-Xylene | 56.7 | 1.00 | " | 50.0 | ND | 113 | 70-130 | 4.47 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 62 | | " | 62.5 | | 99.2 | 70-130 | | | |
| Surrogate: Toluene-d8 | 67 | | " | 62.5 | | 107 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 60 | | " | 62.5 | | 95.6 | 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.

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

Brian Sulzberger
Project Number: 0142120009/WO #89566539
Project: KMG - 38-0000-5193-3

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.



December 03, 2020

WSP USA

Brian Sulzberger

4600 W. 60th Ave.

Arvada

CO 80003

Project Name - KMG - 38-0000-5193-3

Project Number - 0142120009/WO#89566!

Attached are your analytical results for KMG - 38-0000-5193-3 received by Origins Laboratory, Inc. November 23, 2020. This project is associated with Origins project number Y011349-01.

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

WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 0142120009/WO#89566539

Project: KMG - 38-0000-5193-3

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|-------------------------|------------------|
| MW01 | Y011349-01 | Water | November 23, 2020 11:30 | 11/23/2020 17:10 |
| MW02 | Y011349-02 | Water | November 23, 2020 11:38 | 11/23/2020 17:10 |
| MW03 | Y011349-03 | Water | November 23, 2020 11:45 | 11/23/2020 17:10 |
| MW04 | Y011349-04 | Water | November 23, 2020 11:52 | 11/23/2020 17:10 |

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.

WSP USA

4600 W. 60th Ave.

Arvada

CO

80003

Brian Sulzberger

Project Number: 0142120009/WO#89566539

Project: KMG - 38-0000-5193-3

ORIGINS
LABORATORY, INC

4011349

1725 Elk Place, Denver, CO 80211

Laboratory # - 303.433.1322

| Client: LT Environmental, Inc. | | Project Manager: Brian Sulzberger | | | | | | |
|--------------------------------|-----------------------|---|-------------|-------------|------------|--------------------------|-----|-------------------|
| Project: KMG - 38-0000-5193-3 | | Project Number: 0142120009/WO #89566539 | | | | | | |
| Number | Sample Identification | Matrix | Sample Date | Sample Time | Sampled By | Container | Qty | Analyses |
| 01-001 | MW01 | Water | 11-23-20 | 1130 | PS | 40mL Amber VOA Vial - HC | 3 | BTEX by EPA 8260D |
| 02-001 | MW02 | Water | | 1138 | | 40mL Amber VOA Vial - HC | 3 | BTEX by EPA 8260D |
| 03-001 | MW03 | Water | | 1145 | | 40mL Amber VOA Vial - HC | 3 | BTEX by EPA 8260D |
| 04-001 | MW04 | Water | | 1152 | | 40mL Amber VOA Vial - HC | 3 | BTEX by EPA 8260D |

Relinquished By: *[Signature]* Date / Time: 11-23-20 1710

Received By: *[Signature]* Date / Time: 11/23/20 1710

Temperature on Receipt: 7.3

Turn Around Time: Same Day: ☐ 24-hr: ☐ 72-hr: ☒ Standard: ☐

Origins Laboratory, Inc.

[Signature]

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.

WSP USA

4600 W. 60th Ave.

Arvada

CO

80003

Brian Sulzberger

Project Number: 0142120009/WO#89566539

Project: KMG - 38-0000-5193-3

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: Y011349

Client: WSP

Client Project ID: 38-0000-5193-3

Checklist Completed by: SG

Shipped Via: HD

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

Date/time completed: 11/24/20

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 7.3 °C 1 / 1 °C 1 / 1 °C (Describe)

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"/> | | <u>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 ⁽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⁾ ? | | <input checked="" type="checkbox"/> | | |
| 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)

11-25-20
Date/Time Reviewed

Origins Laboratory, Inc.

Jordan A. Merrill

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.

WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 0142120009/WO#89566539

Project: KMG - 38-0000-5193-3

MW01

11/23/2020 11:30:00AM

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

Origins Laboratory, Inc.
Y011349-01 (Water)

BTEX by EPA 8260D

| | | | | | | | | | |
|----------------|----|------|------|---|---------|-----|------------|------------|---|
| Benzene | ND | 1.00 | ug/L | 1 | B0K2404 | TEM | 11/24/2020 | 11/30/2020 | U |
| Toluene | ND | 1.00 | " | " | " | TEM | " | " | U |
| Ethylbenzene | ND | 1.00 | " | " | " | TEM | " | " | U |
| Xylenes, total | ND | 1.00 | " | " | " | TEM | " | " | U |

| | | | | | |
|----------------------------------|--------|--------|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 100 % | 70-130 | " | " | " |
| Surrogate: Toluene-d8 | 102 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 93.4 % | 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.

WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 0142120009/WO#89566539

Project: KMG - 38-0000-5193-3

MW02

11/23/2020 11:38:00AM

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

Origins Laboratory, Inc. Y011349-02 (Water)

BTEX by EPA 8260D

| | | | | | | | | | |
|----------------|----|------|------|---|---------|-----|------------|------------|---|
| Benzene | ND | 1.00 | ug/L | 1 | B0K2404 | TEM | 11/24/2020 | 11/30/2020 | U |
| Toluene | ND | 1.00 | " | " | " | TEM | " | " | U |
| Ethylbenzene | ND | 1.00 | " | " | " | TEM | " | " | U |
| Xylenes, total | ND | 1.00 | " | " | " | TEM | " | " | U |

| | | | | | |
|----------------------------------|--------|--------|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 102 % | 70-130 | " | " | " |
| Surrogate: Toluene-d8 | 101 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 95.5 % | 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.

WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 0142120009/WO#89566539

Project: KMG - 38-0000-5193-3

MW03

11/23/2020 11:45:00AM

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

Origins Laboratory, Inc.
Y011349-03 (Water)

BTEX by EPA 8260D

| | | | | | | | | | |
|----------------|----|------|------|---|---------|-----|------------|------------|---|
| Benzene | ND | 1.00 | ug/L | 1 | B0K2404 | TEM | 11/24/2020 | 11/30/2020 | U |
| Toluene | ND | 1.00 | " | " | " | TEM | " | " | U |
| Ethylbenzene | ND | 1.00 | " | " | " | TEM | " | " | U |
| Xylenes, total | ND | 1.00 | " | " | " | TEM | " | " | U |

| | | | | | |
|----------------------------------|--------|--------|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 102 % | 70-130 | " | " | " |
| Surrogate: Toluene-d8 | 98.3 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 94.9 % | 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.

WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 0142120009/WO#89566539

Project: KMG - 38-0000-5193-3

MW04

11/23/2020 11:52:00AM

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

Origins Laboratory, Inc. Y011349-04 (Water)

BTEX by EPA 8260D

| | | | | | | | | | |
|----------------|----|------|------|---|---------|-----|------------|------------|---|
| Benzene | ND | 1.00 | ug/L | 1 | B0K2404 | TEM | 11/24/2020 | 11/30/2020 | U |
| Toluene | ND | 1.00 | " | " | " | TEM | " | " | U |
| Ethylbenzene | ND | 1.00 | " | " | " | TEM | " | " | U |
| Xylenes, total | ND | 1.00 | " | " | " | TEM | " | " | U |

| | | | | | |
|----------------------------------|--------|--------|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 103 % | 70-130 | " | " | " |
| Surrogate: Toluene-d8 | 99.7 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 94.0 % | 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.

WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 0142120009/WO#89566539

Project: KMG - 38-0000-5193-3

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 B0K2404 - EPA 5030B (Water)

Blank (B0K2404-BLK1)

Prepared: 11/24/2020 Analyzed: 11/30/2020

| | | | | | | | | | | |
|----------------------------------|----|------|------|------|--|------|--------|--|--|---|
| 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 | 61 | | " | 62.5 | | 97.9 | 70-130 | | | |
| Surrogate: Toluene-d8 | 62 | | " | 62.5 | | 98.9 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 59 | | " | 62.5 | | 94.4 | 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.

WSP USA
4600 W. 60th Ave.
Arvada CO 80003

Brian Sulzberger
Project Number: 0142120009/WO#89566539
Project: KMG - 38-0000-5193-3

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 B0K2404 - EPA 5030B (Water)

LCS (B0K2404-BS1)

Prepared: 11/24/2020 Analyzed: 11/30/2020

| | | | | | | | | | | |
|----------------------------------|------|------|------|------|--|------|--------|--|--|--|
| Benzene | 45.4 | 1.00 | ug/L | 50.0 | | 90.7 | 70-130 | | | |
| Toluene | 47.4 | 1.00 | " | 50.0 | | 94.8 | 70-130 | | | |
| Ethylbenzene | 49.1 | 1.00 | " | 50.0 | | 98.2 | 70-130 | | | |
| m,p-Xylene | 99.1 | 2.00 | " | 100 | | 99.1 | 70-130 | | | |
| o-Xylene | 50.0 | 1.00 | " | 50.0 | | 100 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 64 | | " | 62.5 | | 102 | 70-130 | | | |
| Surrogate: Toluene-d8 | 63 | | " | 62.5 | | 101 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 59 | | " | 62.5 | | 95.2 | 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.

WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 0142120009/WO#89566539

Project: KMG - 38-0000-5193-3

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 B0K2404 - EPA 5030B (Water)

| Matrix Spike (B0K2404-MS1) | | Source: Y011346-02 | | | Prepared: 11/24/2020 Analyzed: 11/30/2020 | | | | | |
|----------------------------------|------|--------------------|------|------|---|------|--------|--|--|--|
| Benzene | 47.1 | 1.00 | ug/L | 50.0 | ND | 94.1 | 70-130 | | | |
| Toluene | 50.4 | 1.00 | " | 50.0 | 0.360 | 100 | 70-130 | | | |
| Ethylbenzene | 54.4 | 1.00 | " | 50.0 | 3.53 | 102 | 70-130 | | | |
| m,p-Xylene | 103 | 2.00 | " | 100 | 1.71 | 102 | 70-130 | | | |
| o-Xylene | 53.4 | 1.00 | " | 50.0 | 0.630 | 105 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 66 | | " | 62.5 | | 105 | 70-130 | | | |
| Surrogate: Toluene-d8 | 64 | | " | 62.5 | | 102 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 60 | | " | 62.5 | | 96.7 | 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.

WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 0142120009/WO#89566539

Project: KMG - 38-0000-5193-3

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 B0K2404 - EPA 5030B (Water)

| Matrix Spike Dup (B0K2404-MSD1) | | Source: Y011346-02 | | | Prepared: 11/24/2020 Analyzed: 11/30/2020 | | | | | |
|----------------------------------|------|--------------------|------|------|---|------|--------|------|----|--|
| Benzene | 40.1 | 1.00 | ug/L | 50.0 | ND | 80.1 | 70-130 | 16.1 | 20 | |
| Toluene | 43.5 | 1.00 | " | 50.0 | 0.360 | 86.2 | 70-130 | 14.7 | 20 | |
| Ethylbenzene | 46.1 | 1.00 | " | 50.0 | 3.53 | 85.1 | 70-130 | 16.6 | 20 | |
| m,p-Xylene | 86.8 | 2.00 | " | 100 | 1.71 | 85.1 | 70-130 | 17.5 | 20 | |
| o-Xylene | 46.0 | 1.00 | " | 50.0 | 0.630 | 90.8 | 70-130 | 14.7 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 65 | | " | 62.5 | | 104 | 70-130 | | | |
| Surrogate: Toluene-d8 | 66 | | " | 62.5 | | 105 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 60 | | " | 62.5 | | 96.4 | 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.

WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 0142120009/WO#89566539

Project: KMG - 38-0000-5193-3

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.



March 04, 2021

WSP USA

Brian Sulzberger

4600 W. 60th Ave.

Arvada

CO 80003

Project Name - KMG - 38-0000-5193-3

Project Number - 0142120009/WO #89566

Attached are your analytical results for KMG - 38-0000-5193-3 received by Origins Laboratory, Inc. February 25, 2021. This project is associated with Origins project number Y102492-01.

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

WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 0142120009/WO #89566539

Project: KMG - 38-0000-5193-3

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|-------------------------|------------------|
| MW01 | Y102492-01 | Water | February 25, 2021 11:40 | 02/25/2021 16:45 |
| MW02 | Y102492-02 | Water | February 25, 2021 11:50 | 02/25/2021 16:45 |
| MW03 | Y102492-03 | Water | February 25, 2021 12:00 | 02/25/2021 16:45 |
| MW04 | Y102492-04 | Water | February 25, 2021 12:08 | 02/25/2021 16:45 |

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, Project Manager

Jen Pellegrini, Project Manager

WSP USA

4600 W. 60th Ave.

Arvada

CO

80003

Brian Sulzberger

Project Number: 0142120009/WO #89566539

Project: KMG - 38-0000-5193-3

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4102492

Client: WSP

Client Project ID: 38-0000-5193-3

Checklist Completed by: JP

Shipped Via: 140

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

Date/time completed: 2/25/21

Airbill #: NA

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

Cooler Number/Temperature: 1 / 7.2 °C 1 / °C 1 / °C 1 / °C

Thermometer ID: TC03

| Requirement Description | Yes | No | N/A | Comments (if any) |
|---|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------|
| If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ? | | <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 ⁽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⁾ ? | | <input checked="" type="checkbox"/> | | |
| 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 (Project Manager) JP

Date/Time Reviewed 3-1-21

Origins Laboratory, Inc.

Jen 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.

Jen Pellegrini, Project Manager

WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 0142120009/WO #89566539

Project: KMG - 38-0000-5193-3

MW01

2/25/2021 11:40:00AM

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

Origins Laboratory, Inc.

Y102492-01 (Water)

BTEX by EPA 8260D

| | | | | | | | | | |
|----------------|----|------|------|---|---------|-----|------------|------------|---|
| Benzene | ND | 1.00 | ug/L | 1 | B1B2508 | TEM | 02/25/2021 | 03/02/2021 | U |
| Toluene | ND | 1.00 | " | " | " | TEM | " | " | U |
| Ethylbenzene | ND | 1.00 | " | " | " | TEM | " | " | U |
| Xylenes, total | ND | 1.00 | " | " | " | TEM | " | " | U |

| | | | | | |
|----------------------------------|--------|--------|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 114 % | 70-130 | " | " | " |
| Surrogate: Toluene-d8 | 89.4 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 104 % | 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.

Jen Pellegrini, Project Manager

WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 0142120009/WO #89566539

Project: KMG - 38-0000-5193-3

MW02

2/25/2021 11:50:00AM

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

Origins Laboratory, Inc.

Y102492-02 (Water)

BTEX by EPA 8260D

| | | | | | | | | | |
|----------------|----|------|------|---|---------|-----|------------|------------|---|
| Benzene | ND | 1.00 | ug/L | 1 | B1B2508 | TEM | 02/25/2021 | 03/02/2021 | U |
| Toluene | ND | 1.00 | " | " | " | TEM | " | " | U |
| Ethylbenzene | ND | 1.00 | " | " | " | TEM | " | " | U |
| Xylenes, total | ND | 1.00 | " | " | " | TEM | " | " | U |

Surrogate: 1,2-Dichloroethane-d4

117 % 70-130

"

"

"

Surrogate: Toluene-d8

88.0 % 70-130

"

"

"

Surrogate: 4-Bromofluorobenzene

102 % 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.

Jen Pellegrini, Project Manager

WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 0142120009/WO #89566539

Project: KMG - 38-0000-5193-3

MW03

2/25/2021 12:00:00PM

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

Origins Laboratory, Inc.

Y102492-03 (Water)

BTEX by EPA 8260D

| | | | | | | | | | |
|----------------|----|------|------|---|---------|-----|------------|------------|---|
| Benzene | ND | 1.00 | ug/L | 1 | B1B2508 | TEM | 02/25/2021 | 03/02/2021 | U |
| Toluene | ND | 1.00 | " | " | " | TEM | " | " | U |
| Ethylbenzene | ND | 1.00 | " | " | " | TEM | " | " | U |
| Xylenes, total | ND | 1.00 | " | " | " | TEM | " | " | U |

Surrogate: 1,2-Dichloroethane-d4

117 % 70-130

"

"

"

Surrogate: Toluene-d8

89.4 % 70-130

"

"

"

Surrogate: 4-Bromofluorobenzene

104 % 70-130

"

"

"

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 0142120009/WO #89566539

Project: KMG - 38-0000-5193-3

MW04

2/25/2021 12:08:00PM

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

Origins Laboratory, Inc.

Y102492-04 (Water)

BTEX by EPA 8260D

| | | | | | | | | | |
|----------------|----|------|------|---|---------|-----|------------|------------|---|
| Benzene | ND | 1.00 | ug/L | 1 | B1B2508 | TEM | 02/25/2021 | 03/02/2021 | U |
| Toluene | ND | 1.00 | " | " | " | TEM | " | " | U |
| Ethylbenzene | ND | 1.00 | " | " | " | TEM | " | " | U |
| Xylenes, total | ND | 1.00 | " | " | " | TEM | " | " | U |

| | | | | | |
|----------------------------------|--------|--------|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 120 % | 70-130 | " | " | " |
| Surrogate: Toluene-d8 | 90.0 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 99.7 % | 70-130 | " | " | " |

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WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 0142120009/WO #89566539

Project: KMG - 38-0000-5193-3

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 B1B2508 - EPA 5030B (Water)

Blank (B1B2508-BLK1)

Prepared: 02/25/2021 Analyzed: 03/01/2021

| | | | | | | | | | | |
|----------------------------------|----|------|------|------|------|--|--------|--|--|---|
| 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 | 72 | | " | 62.5 | 115 | | 70-130 | | | |
| Surrogate: Toluene-d8 | 57 | | " | 62.5 | 90.9 | | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 63 | | " | 62.5 | 101 | | 70-130 | | | |

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WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 0142120009/WO #89566539

Project: KMG - 38-0000-5193-3

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 B1B2508 - EPA 5030B (Water)

LCS (B1B2508-BS1)

Prepared: 02/25/2021 Analyzed: 03/01/2021

| | | | | | | | | | | |
|----------------------------------|------|------|------|------|--|------|--------|--|--|--|
| Benzene | 58.3 | 1.00 | ug/L | 50.0 | | 117 | 70-130 | | | |
| Toluene | 50.8 | 1.00 | " | 50.0 | | 102 | 70-130 | | | |
| Ethylbenzene | 52.3 | 1.00 | " | 50.0 | | 105 | 70-130 | | | |
| m,p-Xylene | 102 | 2.00 | " | 100 | | 102 | 70-130 | | | |
| o-Xylene | 50.8 | 1.00 | " | 50.0 | | 102 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 77 | | " | 62.5 | | 123 | 70-130 | | | |
| Surrogate: Toluene-d8 | 60 | | " | 62.5 | | 96.1 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 66 | | " | 62.5 | | 106 | 70-130 | | | |

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WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 0142120009/WO #89566539

Project: KMG - 38-0000-5193-3

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 B1B2508 - EPA 5030B (Water)

| Matrix Spike (B1B2508-MS1) | | Source: Y102456-02 | | | Prepared: 02/25/2021 Analyzed: 03/01/2021 | | | | | |
|----------------------------------|------|--------------------|------|------|---|--------|--|--|--|--|
| Benzene | 57.5 | 1.00 | ug/L | 50.0 | 115 | 70-130 | | | | |
| Toluene | 51.6 | 1.00 | " | 50.0 | 103 | 70-130 | | | | |
| Ethylbenzene | 54.3 | 1.00 | " | 50.0 | 109 | 70-130 | | | | |
| m,p-Xylene | 109 | 2.00 | " | 100 | 109 | 70-130 | | | | |
| o-Xylene | 54.0 | 1.00 | " | 50.0 | 108 | 70-130 | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 75 | | " | 62.5 | 121 | 70-130 | | | | |
| Surrogate: Toluene-d8 | 60 | | " | 62.5 | 96.2 | 70-130 | | | | |
| Surrogate: 4-Bromofluorobenzene | 67 | | " | 62.5 | 107 | 70-130 | | | | |

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WSP USA

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Brian Sulzberger

Project Number: 0142120009/WO #89566539

Project: KMG - 38-0000-5193-3

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 B1B2508 - EPA 5030B (Water)

| Matrix Spike Dup (B1B2508-MSD1) | | Source: Y102456-02 | | | Prepared: 02/25/2021 Analyzed: 03/01/2021 | | | | | |
|----------------------------------|------|--------------------|------|------|---|--------|------|----|--|--|
| Benzene | 53.4 | 1.00 | ug/L | 50.0 | 107 | 70-130 | 7.43 | 20 | | |
| Toluene | 47.7 | 1.00 | " | 50.0 | 95.4 | 70-130 | 7.91 | 20 | | |
| Ethylbenzene | 48.2 | 1.00 | " | 50.0 | 96.4 | 70-130 | 12.0 | 20 | | |
| m,p-Xylene | 97.2 | 2.00 | " | 100 | 97.2 | 70-130 | 11.7 | 20 | | |
| o-Xylene | 50.7 | 1.00 | " | 50.0 | 101 | 70-130 | 6.36 | 20 | | |
| Surrogate: 1,2-Dichloroethane-d4 | 74 | | " | 62.5 | 119 | 70-130 | | | | |
| Surrogate: Toluene-d8 | 60 | | " | 62.5 | 95.8 | 70-130 | | | | |
| Surrogate: 4-Bromofluorobenzene | 68 | | " | 62.5 | 108 | 70-130 | | | | |

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WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 0142120009/WO #89566539

Project: KMG - 38-0000-5193-3

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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Jen Pellegrini, Project Manager