

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 |
| | 11/5/2020 | <1.00 | <1.00 | <1.00 | <1.00 | 4.38 | 95.92 |
| MW02 | 8/28/2020 | <1.00 | <1.00 | <1.00 | <1.00 | 5.55 | 95.63 |
| | 11/5/2020 | <1.00 | <1.00 | <1.00 | <1.00 | 5.18 | 96.00 |
| MW03 | 8/28/2020 | <1.00 | <1.00 | <1.00 | <1.00 | 4.75 | 95.41 |
| | 11/5/2020 | <1.00 | <1.00 | <1.00 | <1.00 | 5.35 | 94.81 |
| MW04 | 8/28/2020 | <1.00 | <1.00 | <1.00 | <1.00 | 4.51 | 95.28 |
| | 11/5/2020 | <1.00 | <1.00 | <1.00 | <1.00 | 4.05 | 95.74 |
| MW05 | 8/28/2020 | <1.00 | <1.00 | <1.00 | <1.00 | 4.40 | 95.17 |
| | 11/5/2020 | <1.00 | <1.00 | <1.00 | <1.00 | 3.92 | 95.65 |
| MW06 | 8/28/2020 | <1.00 | <1.00 | <1.00 | <1.00 | 5.02 | 95.43 |
| | 11/5/2020 | <1.00 | <1.00 | <1.00 | <1.00 | 4.68 | 95.77 |
| MW07 | 8/28/2020 | <1.00 | <1.00 | <1.00 | <1.00 | 5.09 | 95.26 |
| | 11/5/2020 | <1.00 | <1.00 | <1.00 | <1.00 | 4.67 | 95.68 |
| MW08 | 8/28/2020 | <1.00 | <1.00 | <1.00 | <1.00 | 4.55 | 95.62 |
| | 11/5/2020 | <1.00 | <1.00 | <1.00 | <1.00 | 5.23 | 94.94 |
| MW09 | 8/28/2020 | <1.00 | <1.00 | <1.00 | <1.00 | 5.26 | 95.71 |
| | 11/5/2020 | <1.00 | <1.00 | <1.00 | <1.00 | 4.93 | 96.04 |

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.



November 10, 2020

WSP USA

Brian Sulzberger

4600 W. 60th Ave.

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. November 05, 2020. This project is associated with Origins project number Y011085-01.

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: 014219247

Project: KMG - Camp 13-19A

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|------------------------|------------------|
| MW01 | Y011085-01 | Water | November 5, 2020 12:00 | 11/05/2020 17:13 |
| MW02 | Y011085-02 | Water | November 5, 2020 11:42 | 11/05/2020 17:13 |
| MW03 | Y011085-03 | Water | November 5, 2020 11:50 | 11/05/2020 17:13 |
| MW04 | Y011085-04 | Water | November 5, 2020 12:47 | 11/05/2020 17:13 |
| MW05 | Y011085-05 | Water | November 5, 2020 12:39 | 11/05/2020 17:13 |
| MW06 | Y011085-06 | Water | November 5, 2020 12:20 | 11/05/2020 17:13 |
| MW07 | Y011085-07 | Water | November 5, 2020 12:29 | 11/05/2020 17:13 |
| MW08 | Y011085-08 | Water | November 5, 2020 12:16 | 11/05/2020 17:13 |
| MW09 | Y011085-09 | Water | November 5, 2020 12:08 | 11/05/2020 17:13 |

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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: 014219247

Project: KMG - Camp 13-19A

www.originslaboratory.com

7011085

page 1 of 1

ORIGINS
LABORATORY, INC

Client: LTB

Address: 4600 W. 60th Ave.

Arvada, CO, 80003

Telephone Number:

Email Address:

Project Manager: B. Sulzberger

Project Name: Camp 13-19A

Project Number: 014219247

Samples Collected By: B-S

Fax: 303.265.9645

Phone: 303.433.1322

Denver, CO 80211

1725 Elk Place

| Sample ID Description | Date Sampled | Time Sampled | # of Containers | Preservative | | | | Matrix | | | Analysis | | Sample Instructions |
|-----------------------|--------------|--------------|-----------------|--------------|-----|------------------|-------|-------------|------|-------------|----------|--|---------------------|
| | | | | Unpreserved | HCl | HNO ₃ | Other | Groundwater | Soil | Air Summa # | Other | | |
| MW01 | 11-5-20 | 1200 | 3 | X | | | | X | | | | | 1 |
| MW02 | | 1142 | | | | | | | | | | | 2 |
| MW03 | | 1150 | | | | | | | | | | | 3 |
| MW04 | | 1247 | | | | | | | | | | | 4 |
| MW05 | | 1239 | | | | | | | | | | | 5 |
| MW06 | | 1220 | | | | | | | | | | | 6 |
| MW07 | | 1229 | | | | | | | | | | | 7 |
| MW08 | | 1216 | | | | | | | | | | | 8 |
| MW09 | | 1208 | | | | | | | | | | | 9 |
| | | | | | | | | | | | | | 10 |

| Relinquished By: | Date: | Time: | Received By: | Date: | Time: | Turnaround Time: |
|------------------|---------|-------|---------------|---------|-------|------------------------------------------------------------------------------------------------------------|
| Paul Mathis | 11-5-20 | 1500 | Andy S. Gandy | 11-5-20 | 1500 | Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> |
| Andy S. Gandy | 11-5-20 | 1713 | Andy S. Gandy | 11-5-20 | 1713 | 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input checked="" type="checkbox"/> |

Date Results Needed

Temp Received: 41

Origins Laboratory, Inc.

Jefe Pellegrini

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WSP USA

4600 W. 60th Ave.

Arvada

CO

80003

Brian Sulzberger

Project Number: 014219247

Project: KMG - Camp 13-19A

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: Y011085

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

Checklist Completed by: JG

Date/time completed: 11/16/20

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

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

Cooler Number/Temperature: 1 4.1 °C 1 °C 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 checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Were all samples received intact ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Was adequate sample volume provided ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative. | <input type="checkbox"/> | <input 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 checked="" type="checkbox"/> | <input 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

Date/Time Reviewed 11-9-20

Origins Laboratory, Inc.

Jefe Pellegrini

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WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 014219247

Project: KMG - Camp 13-19A

MW01

11/5/2020 12:00:00PM

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

Origins Laboratory, Inc. Y011085-01 (Water)

BTEX by EPA 8260D

| | | | | | | | | | |
|----------------|----|------|------|---|---------|-----|------------|------------|---|
| Benzene | ND | 1.00 | ug/L | 1 | B0K0606 | TEM | 11/06/2020 | 11/06/2020 | 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 | 104 % | 70-130 | " | " | " |
| Surrogate: Toluene-d8 | 99.1 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 95.7 % | 70-130 | " | " | " |

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4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 014219247

Project: KMG - Camp 13-19A

MW02

11/5/2020 11:42:00AM

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

Origins Laboratory, Inc. Y011085-02 (Water)

BTEX by EPA 8260D

| | | | | | | | | | |
|----------------|----|------|------|---|---------|-----|------------|------------|---|
| Benzene | ND | 1.00 | ug/L | 1 | B0K0606 | TEM | 11/06/2020 | 11/06/2020 | 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 | 98.7 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 98.3 % | 70-130 | " | " | " |

Origins Laboratory, Inc.



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4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 014219247

Project: KMG - Camp 13-19A

MW03

11/5/2020 11:50:00AM

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

Origins Laboratory, Inc. Y011085-03 (Water)

BTEX by EPA 8260D

| | | | | | | | | | |
|----------------|----|------|------|---|---------|-----|------------|------------|---|
| Benzene | ND | 1.00 | ug/L | 1 | B0K0606 | TEM | 11/06/2020 | 11/06/2020 | 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

101 % 70-130

"

"

"

Surrogate: 4-Bromofluorobenzene

95.3 % 70-130

"

"

"

Origins Laboratory, Inc.



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WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 014219247

Project: KMG - Camp 13-19A

MW04

11/5/2020 12:47:00PM

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

Origins Laboratory, Inc. Y011085-04 (Water)

BTEX by EPA 8260D

| | | | | | | | | | |
|----------------|----|------|------|---|---------|-----|------------|------------|---|
| Benzene | ND | 1.00 | ug/L | 1 | B0K0606 | TEM | 11/06/2020 | 11/06/2020 | 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 | 101 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 98.3 % | 70-130 | " | " | " |

Origins Laboratory, Inc.



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WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 014219247

Project: KMG - Camp 13-19A

MW05

11/5/2020 12:39:00PM

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

Origins Laboratory, Inc. Y011085-05 (Water)

BTEX by EPA 8260D

| | | | | | | | | | |
|----------------|----|------|------|---|---------|-----|------------|------------|---|
| Benzene | ND | 1.00 | ug/L | 1 | B0K0606 | TEM | 11/06/2020 | 11/06/2020 | 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 | 101 % | 70-130 | " | " | " |
| Surrogate: Toluene-d8 | 97.6 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 96.3 % | 70-130 | " | " | " |

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WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 014219247

Project: KMG - Camp 13-19A

MW06

11/5/2020 12:20:00PM

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

Origins Laboratory, Inc. Y011085-06 (Water)

BTEX by EPA 8260D

| | | | | | | | | | |
|----------------|----|------|------|---|---------|-----|------------|------------|---|
| Benzene | ND | 1.00 | ug/L | 1 | B0K0606 | TEM | 11/06/2020 | 11/06/2020 | 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 | 101 % | 70-130 | " | " | " |
| Surrogate: Toluene-d8 | 99.7 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 95.5 % | 70-130 | " | " | " |

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WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 014219247

Project: KMG - Camp 13-19A

MW07

11/5/2020 12:29:00PM

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

Origins Laboratory, Inc. Y011085-07 (Water)

BTEX by EPA 8260D

| | | | | | | | | | |
|----------------|----|------|------|---|---------|-----|------------|------------|---|
| Benzene | ND | 1.00 | ug/L | 1 | B0K0606 | TEM | 11/06/2020 | 11/06/2020 | 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 | 100 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 96.4 % | 70-130 | " | " | " |

Origins Laboratory, Inc.



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WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 014219247

Project: KMG - Camp 13-19A

MW08

11/5/2020 12:16:00PM

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

Origins Laboratory, Inc. Y011085-08 (Water)

BTEX by EPA 8260D

| | | | | | | | | | |
|----------------|----|------|------|---|---------|-----|------------|------------|---|
| Benzene | ND | 1.00 | ug/L | 1 | B0K0606 | TEM | 11/06/2020 | 11/06/2020 | 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 | 104 % | 70-130 | " | " | " |
| Surrogate: Toluene-d8 | 99.1 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 96.6 % | 70-130 | " | " | " |

Origins Laboratory, Inc.



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WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 014219247

Project: KMG - Camp 13-19A

MW09

11/5/2020 12:08:00PM

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

Origins Laboratory, Inc.
Y011085-09 (Water)

BTEX by EPA 8260D

| | | | | | | | | | |
|----------------|----|------|------|---|---------|-----|------------|------------|---|
| Benzene | ND | 1.00 | ug/L | 1 | B0K0606 | TEM | 11/06/2020 | 11/07/2020 | 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 | 101 % | 70-130 | " | " | " |
| Surrogate: Toluene-d8 | 99.7 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 97.4 % | 70-130 | " | " | " |

Origins Laboratory, Inc.



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WSP USA

4600 W. 60th Ave.

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 B0K0606 - EPA 5030B (Water)

Blank (B0K0606-BLK1)

Prepared: 11/06/2020 Analyzed: 11/06/2020

| | | | | | | | | | | |
|----------------------------------|----|------|------|------|------|--|--------|--|--|---|
| 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 | 65 | | " | 62.5 | 104 | | 70-130 | | | |
| Surrogate: Toluene-d8 | 64 | | " | 62.5 | 102 | | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 60 | | " | 62.5 | 95.7 | | 70-130 | | | |

Origins Laboratory, Inc.



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WSP USA

4600 W. 60th Ave.

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 B0K0606 - EPA 5030B (Water)

LCS (B0K0606-BS1)

Prepared: 11/06/2020 Analyzed: 11/06/2020

| | | | | | | | | | | |
|----------------------------------|------|------|------|------|--|------|--------|--|--|--|
| Benzene | 45.9 | 1.00 | ug/L | 50.0 | | 91.8 | 70-130 | | | |
| Toluene | 47.0 | 1.00 | " | 50.0 | | 94.0 | 70-130 | | | |
| Ethylbenzene | 46.8 | 1.00 | " | 50.0 | | 93.6 | 70-130 | | | |
| m,p-Xylene | 94.5 | 2.00 | " | 100 | | 94.5 | 70-130 | | | |
| o-Xylene | 47.2 | 1.00 | " | 50.0 | | 94.5 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 59 | | " | 62.5 | | 94.5 | 70-130 | | | |
| Surrogate: Toluene-d8 | 63 | | " | 62.5 | | 100 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 63 | | " | 62.5 | | 101 | 70-130 | | | |

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Jen Pellegrini For Noelle Doyle Mathis, President

WSP USA

4600 W. 60th Ave.

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 B0K0606 - EPA 5030B (Water)

| Matrix Spike (B0K0606-MS1) | | Source: Y011085-01 | | | Prepared: 11/06/2020 Analyzed: 11/06/2020 | | | | | |
|----------------------------------|------|--------------------|------|------|-------------------------------------------|------|--------|--|--|--|
| Benzene | 56.8 | 1.00 | ug/L | 50.0 | ND | 114 | 70-130 | | | |
| Toluene | 57.3 | 1.00 | " | 50.0 | ND | 115 | 70-130 | | | |
| Ethylbenzene | 52.5 | 1.00 | " | 50.0 | ND | 105 | 70-130 | | | |
| m,p-Xylene | 108 | 2.00 | " | 100 | ND | 108 | 70-130 | | | |
| o-Xylene | 55.3 | 1.00 | " | 50.0 | ND | 111 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 62 | | " | 62.5 | | 98.9 | 70-130 | | | |
| Surrogate: Toluene-d8 | 64 | | " | 62.5 | | 103 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 63 | | " | 62.5 | | 101 | 70-130 | | | |

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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 B0K0606 - EPA 5030B (Water)

| Matrix Spike Dup (B0K0606-MSD1) | | Source: Y011085-01 | | | Prepared: 11/06/2020 Analyzed: 11/06/2020 | | | | | |
|----------------------------------|------|--------------------|------|------|-------------------------------------------|------|--------|-------|----|--|
| Benzene | 56.9 | 1.00 | ug/L | 50.0 | ND | 114 | 70-130 | 0.264 | 20 | |
| Toluene | 55.4 | 1.00 | " | 50.0 | ND | 111 | 70-130 | 3.34 | 20 | |
| Ethylbenzene | 52.8 | 1.00 | " | 50.0 | ND | 106 | 70-130 | 0.589 | 20 | |
| m,p-Xylene | 107 | 2.00 | " | 100 | ND | 107 | 70-130 | 0.242 | 20 | |
| o-Xylene | 55.6 | 1.00 | " | 50.0 | ND | 111 | 70-130 | 0.541 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 61 | | " | 62.5 | | 98.0 | 70-130 | | | |
| Surrogate: Toluene-d8 | 63 | | " | 62.5 | | 101 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 62 | | " | 62.5 | | 99.3 | 70-130 | | | |

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Brian Sulzberger

Project Number: 014219247

Project: KMG - Camp 13-19A

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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