



February 19, 2016

LT Environmental, Inc.

Justin Solomon

4600 West 60th Avenue

Arvada CO 80003

Project Name - KMG - Deepe 14N-27HZ

Project Number - 014211290-

Attached are your analytical results for KMG - Deepe 14N-27HZ received by Origins Laboratory, Inc. February 12, 2016. This project is associated with Origins project number X602148-01.

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

Justin Solomon
Project Number: 014211290-
Project: KMG - Deepe 14N-27HZ

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|-------------------------|------------------|
| Off S | X602148-01 | Soil | February 10, 2016 15:25 | 02/12/2016 16:05 |
| Off E | X602148-02 | Soil | February 10, 2016 15:35 | 02/12/2016 16:05 |
| Off N | X602148-03 | Soil | February 10, 2016 15:45 | 02/12/2016 16:05 |
| Off W | X602148-04 | Soil | February 10, 2016 15:55 | 02/12/2016 16:05 |
| Off Comp | X602148-05 | Soil | February 10, 2016 16:05 | 02/12/2016 16:05 |
| Pad Comp | X602148-06 | Soil | February 10, 2016 16:15 | 02/12/2016 16:05 |

Origins Laboratory, Inc.



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

Justin Solomon
 Project Number: 014211290-
 Project: KMG - Deepe 14N-27HZ

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: X1602148

Client: LTE

Client Project ID: KMG - Deepe 14N-27HZ

Checklist Completed by: Jef Smith

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

Date/time completed: 2/15/16

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 10.0 °C _____ / _____ °C _____ / _____ °C (Describe)

Thermometer ID: TD03

| Requirement Description | Yes | No | N/A | Comments (if any) |
|---|-----|---------|-----|-------------------|
| If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ? | ✓ | | | |
| Is there ice present (document if blue ice is used) | ✓ | | | |
| Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact) | | ✓ | | |
| Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact) | | ✓ | | |
| Were all samples received intact ⁽¹⁾ ? | ✓ | | | |
| Was adequate sample volume provided ⁽¹⁾ ? | ✓ | | | |
| Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ? | ✓ | 2/15/16 | | PH |
| Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ? | ✓ | | | |
| Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ? | ✓ | | | |
| Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ? | ✓ | | | |
| Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ? | ✓ | | | |
| For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative. | | | ✓ | |
| 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 HNO3, HCL, H2SO4) / (pH >10 for samples preserved with NaAsO2+NaOH, ZnAc+NaOH) | | | ✓ | |
| 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.

Jef Smith
 Reviewed by (Project Manager)

2/15/16
 Date/Time Reviewed

Origins Laboratory, Inc.



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

Justin Solomon
Project Number: 014211290-
Project: KMG - Deepe 14N-27HZ

Off S

2/10/2016 3:25:00PM

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

GEL Laboratories, LLC
X602148-01 (Soil)

Metals by SW846 3050B/6020A

| | | | | | | | | |
|---------|-------|-------|-----------|---|---------|------------|------------|---|
| Arsenic | 0.938 | 0.960 | mg/kg dry | 2 | 1545431 | 02/16/2016 | 02/17/2016 | J |
|---------|-------|-------|-----------|---|---------|------------|------------|---|

Origins Laboratory, Inc.



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

Justin Solomon
Project Number: 014211290-
Project: KMG - Deepe 14N-27HZ

Off E

2/10/2016 3:35:00PM

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

GEL Laboratories, LLC
X602148-02 (Soil)

Metals by SW846 3050B/6020A

| | | | | | | | | |
|---------|-------|-------|-----------|---|---------|------------|------------|--|
| Arsenic | 0.941 | 0.918 | mg/kg dry | 2 | 1545431 | 02/16/2016 | 02/17/2016 | |
|---------|-------|-------|-----------|---|---------|------------|------------|--|

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

Justin Solomon
Project Number: 014211290-
Project: KMG - Deepe 14N-27HZ

Off N

2/10/2016 3:45:00PM

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

GEL Laboratories, LLC
X602148-03 (Soil)

Metals by SW846 3050B/6020A

| | | | | | | | | |
|---------|-------|------|-----------|---|---------|------------|------------|---|
| Arsenic | 0.932 | 1.04 | mg/kg dry | 2 | 1545431 | 02/16/2016 | 02/17/2016 | J |
|---------|-------|------|-----------|---|---------|------------|------------|---|

Origins Laboratory, Inc.



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

Justin Solomon
Project Number: 014211290-
Project: KMG - Deepe 14N-27HZ

Off W

2/10/2016 3:55:00PM

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

GEL Laboratories, LLC
X602148-04 (Soil)

Metals by SW846 3050B/6020A

| | | | | | | | | |
|---------|------|------|-----------|---|---------|------------|------------|--|
| Arsenic | 1.10 | 1.04 | mg/kg dry | 2 | 1545431 | 02/16/2016 | 02/17/2016 | |
|---------|------|------|-----------|---|---------|------------|------------|--|

Origins Laboratory, Inc.



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

Justin Solomon
 Project Number: 014211290-
 Project: KMG - Deepe 14N-27HZ

Off Comp
2/10/2016 4:05:00PM

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

AAL, Inc.
X602148-05 (Soil)

Metals by 6010

| | | | | | | | | |
|-----------|------|--|------|---|----------|------------|------------|--|
| Calcium | 1.49 | | me/L | 1 | '[none]' | 02/16/2016 | 02/18/2016 | |
| Magnesium | 0.53 | | " | " | " | " | " | |
| Sodium | 0.71 | | " | " | " | " | " | |

Metals by SW846 3050B/6010C

| | | | | | | | | |
|--------|------|-------|-----------|---|---------|---|------------|--|
| Barium | 22.7 | 0.482 | mg/kg dry | 1 | 1545423 | " | 02/18/2016 | |
|--------|------|-------|-----------|---|---------|---|------------|--|

Metals by SW846 3050B/6020A

| | | | | | | | | |
|---------|------|------|-----------|---|---------|---|------------|--|
| Arsenic | 1.04 | 1.03 | mg/kg dry | 2 | 1545431 | " | 02/17/2016 | |
|---------|------|------|-----------|---|---------|---|------------|--|

pH in Soil by EPA 9045D

| | | | | | | | | |
|----|------|--|----------|---|---------|------------|------------|--|
| pH | 7.45 | | pH Units | 1 | B6B1507 | 02/15/2016 | 02/16/2016 | |
|----|------|--|----------|---|---------|------------|------------|--|

SAR by 20B Saturated Paste

| | | | | | | | | |
|-----|------|--|--|---|----------|------------|------------|--|
| SAR | 0.71 | | | 1 | '[none]' | 02/16/2016 | 02/18/2016 | |
|-----|------|--|--|---|----------|------------|------------|--|

Specific Conductance by Modified 9050A

| | | | | | | | | |
|---------------------------|--------|--|----------|---|---------|------------|------------|--|
| Specific Conductance (EC) | 0.0107 | | mmhos/cm | 1 | B6B1508 | 02/15/2016 | 02/16/2016 | |
|---------------------------|--------|--|----------|---|---------|------------|------------|--|

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 Project Number: 014211290-
 Project: KMG - Deepe 14N-27HZ

Pad Comp
2/10/2016 4:15:00PM

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

Origins Laboratory, Inc.
X602148-06 (Soil)

DRO/RRO by EPA8015C

| | | | | | | | | |
|-----------------------------------|----|-----|-------|---|---------|------------|------------|----|
| Diesel (C10-C28) | ND | 25 | mg/kg | 1 | B6B1510 | 02/15/2016 | 02/16/2016 | Ua |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | " | " | Ua |

Surrogate: o-Terphenyl 79.2 % 59-131 " " "

GBTEX by EPA 8260C

| | | | | | | | | |
|-----------------------------|----|-------|-------|---|---------|------------|------------|----|
| Gasoline Range Hydrocarbons | ND | 0.200 | mg/kg | 1 | B6B1701 | 02/16/2016 | 02/16/2016 | Ua |
| Benzene | ND | 0.002 | " | " | " | " | " | Ua |
| Toluene | ND | 0.002 | " | " | " | " | " | Ua |
| Ethylbenzene | ND | 0.002 | " | " | " | " | " | Ua |
| Xylenes, total | ND | 0.002 | " | " | " | " | " | Ua |

Surrogate: 1,2-Dichloroethane-d4 85.8 % 70-130 " " "

Surrogate: Toluene-d8 102 % 70-130 " " "

Surrogate: 4-Bromofluorobenzene 95.5 % 70-130 " " "

Metals by 6010

| | | | | | | | | |
|-----------|------|--|------|---|----------|------------|------------|--|
| Calcium | 0.45 | | me/L | 1 | '[none]' | 02/16/2016 | 02/18/2016 | |
| Magnesium | 0.19 | | " | " | " | " | " | |
| Sodium | 0.31 | | " | " | " | " | " | |

Metals by SW846 3050B/6010C

Origins Laboratory, Inc.



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 Arvada CO 80003

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 Project Number: 014211290-
 Project: KMG - Deepe 14N-27HZ

Pad Comp
2/10/2016 4:15:00PM

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

GEL Laboratories, LLC
X602148-06 (Soil)

Metals by SW846 3050B/6010C

| | | | | | | | | |
|--------|------|-------|-----------|---|---------|------------|------------|--|
| Barium | 45.6 | 0.529 | mg/kg dry | 1 | 1545423 | 02/16/2016 | 02/18/2016 | |
|--------|------|-------|-----------|---|---------|------------|------------|--|

Metals by SW846 3050B/6020A

| | | | | | | | | |
|---------|------|------|-----------|---|---------|---|------------|--|
| Arsenic | 1.40 | 1.03 | mg/kg dry | 2 | 1545431 | " | 02/17/2016 | |
|---------|------|------|-----------|---|---------|---|------------|--|

pH in Soil by EPA 9045D

| | | | | | | | | |
|----|------|--|----------|---|---------|------------|------------|--|
| pH | 8.09 | | pH Units | 1 | B6B1507 | 02/15/2016 | 02/16/2016 | |
|----|------|--|----------|---|---------|------------|------------|--|

SAR by 20B Saturated Paste

| | | | | | | | | |
|-----|------|--|--|---|----------|------------|------------|--|
| SAR | 0.55 | | | 1 | '[none]' | 02/16/2016 | 02/18/2016 | |
|-----|------|--|--|---|----------|------------|------------|--|

Specific Conductance by Modified 9050A

| | | | | | | | | |
|---------------------------|--------|--|----------|---|---------|------------|------------|--|
| Specific Conductance (EC) | 0.0571 | | mmhos/cm | 1 | B6B1508 | 02/15/2016 | 02/16/2016 | |
|---------------------------|--------|--|----------|---|---------|------------|------------|--|

TCLP Metals by 1311/3010A/6010C

| | | | | | | | | |
|---------|----|-------|------|---|---------|------------|------------|---|
| Arsenic | ND | 0.300 | mg/L | 1 | 1545652 | 02/17/2016 | 02/17/2016 | U |
|---------|----|-------|------|---|---------|------------|------------|---|

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

Justin Solomon
 Project Number: 014211290-
 Project: KMG - Deepe 14N-27HZ

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

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

Batch B6B1701 - EPA 5030 (soil)

Blank (B6B1701-BLK1)

Prepared: 02/17/2016 Analyzed: 02/17/2016

| | | | | | | | | | | |
|----------------------------------|------|-------|-------|------|--|------|--------|--|--|----|
| Gasoline Range Hydrocarbons | ND | 0.200 | mg/kg | | | | | | | Ua |
| Benzene | ND | 0.002 | " | | | | | | | Ua |
| Toluene | ND | 0.002 | " | | | | | | | Ua |
| Ethylbenzene | ND | 0.002 | " | | | | | | | Ua |
| Xylenes, total | ND | 0.002 | " | | | | | | | Ua |
| Surrogate: 1,2-Dichloroethane-d4 | 53.8 | | ug/kg | 62.5 | | 86.0 | 70-130 | | | |
| Surrogate: Toluene-d8 | 61.7 | | " | 62.5 | | 98.8 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 57.6 | | " | 62.5 | | 92.2 | 70-130 | | | |

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 Arvada CO 80003

Justin Solomon
 Project Number: 014211290-
 Project: KMG - Deepe 14N-27HZ

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

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

Batch B6B1701 - EPA 5030 (soil)

LCS (B6B1701-BS1)

Prepared: 02/17/2016 Analyzed: 02/17/2016

| | | | | | | | | | | |
|----------------------------------|-------|-------|-------|-------|--|------|----------|--|--|--|
| Benzene | 0.094 | 0.002 | mg/kg | 0.100 | | 93.8 | 77.1-124 | | | |
| Toluene | 0.088 | 0.002 | " | 0.100 | | 88.4 | 74.5-128 | | | |
| Ethylbenzene | 0.091 | 0.002 | " | 0.100 | | 91.0 | 66.4-127 | | | |
| m,p-Xylene | 0.187 | 0.004 | " | 0.200 | | 93.6 | 76.6-124 | | | |
| o-Xylene | 0.094 | 0.002 | " | 0.100 | | 93.7 | 76.6-124 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 54.5 | | ug/kg | 62.5 | | 87.2 | 70-130 | | | |
| Surrogate: Toluene-d8 | 60.2 | | " | 62.5 | | 96.3 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 63.3 | | " | 62.5 | | 101 | 70-130 | | | |

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 4600 West 60th Avenue
 Arvada CO 80003

Justin Solomon
 Project Number: 014211290-
 Project: KMG - Deepe 14N-27HZ

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

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

Batch B6B1701 - EPA 5030 (soil)

| Matrix Spike (B6B1701-MS1) | Source: X602169-01 | | | Prepared: 02/17/2016 Analyzed: 02/17/2016 | | | | | | |
|----------------------------------|--------------------|-------|-------|---|--------|------|----------|--|--|--|
| Benzene | 0.092 | 0.002 | mg/kg | 0.100 | ND | 91.6 | 71.8-126 | | | |
| Toluene | 0.088 | 0.002 | " | 0.100 | ND | 88.0 | 65.1-130 | | | |
| Ethylbenzene | 0.084 | 0.002 | " | 0.100 | ND | 84.1 | 62.2-130 | | | |
| m,p-Xylene | 0.169 | 0.004 | " | 0.200 | ND | 84.6 | 46.5-137 | | | |
| o-Xylene | 0.084 | 0.002 | " | 0.100 | 0.0003 | 83.8 | 54.2-134 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 51.9 | | ug/kg | 62.5 | | 83.0 | 70-130 | | | |
| Surrogate: Toluene-d8 | 58.6 | | " | 62.5 | | 93.7 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 63.8 | | " | 62.5 | | 102 | 70-130 | | | |

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 Project Number: 014211290-
 Project: KMG - Deepe 14N-27HZ

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

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

Batch B6B1701 - EPA 5030 (soil)

| Matrix Spike Dup (B6B1701-MSD1) | Source: X602169-01 | | | Prepared: 02/17/2016 Analyzed: 02/17/2016 | | | | | | |
|----------------------------------|--------------------|-------|-------|---|--------|------|----------|------|------|--|
| Benzene | 0.088 | 0.002 | mg/kg | 0.100 | ND | 88.1 | 71.8-126 | 3.90 | 11.3 | |
| Toluene | 0.084 | 0.002 | " | 0.100 | ND | 84.0 | 65.1-130 | 4.65 | 15.4 | |
| Ethylbenzene | 0.082 | 0.002 | " | 0.100 | ND | 82.3 | 62.2-130 | 2.09 | 19.6 | |
| m,p-Xylene | 0.167 | 0.004 | " | 0.200 | ND | 83.6 | 46.5-137 | 1.27 | 19.2 | |
| o-Xylene | 0.082 | 0.002 | " | 0.100 | 0.0003 | 82.1 | 54.2-134 | 2.07 | 17.9 | |
| Surrogate: 1,2-Dichloroethane-d4 | 52.7 | | ug/kg | 62.5 | | 84.4 | 70-130 | | | |
| Surrogate: Toluene-d8 | 58.1 | | " | 62.5 | | 92.9 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 61.9 | | " | 62.5 | | 99.0 | 70-130 | | | |

Origins Laboratory, Inc.



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 Arvada CO 80003

Justin Solomon
 Project Number: 014211290-
 Project: KMG - Deepe 14N-27HZ

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

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

Extractable Petroleum Hydrocarbons by 8015C - Quality Control
Origins Laboratory, Inc.

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

Batch B6B1510 - EPA 3580

Blank (B6B1510-BLK1)

Prepared: 02/15/2016 Analyzed: 02/16/2016

| | | | | | | | | | | |
|-----------------------------------|----|-----|-------|------|--|------|--------|--|--|----|
| Diesel (C10-C28) | ND | 50 | mg/kg | | | | | | | Ua |
| Residual Range Organics (C28-C40) | ND | 200 | " | | | | | | | Ua |
| Surrogate: o-Terphenyl | 49 | | " | 50.0 | | 97.4 | 59-131 | | | |

LCS (B6B1510-BS1)

Prepared: 02/15/2016 Analyzed: 02/16/2016

| | | | | | | | | | | |
|-----------------------------------|------|-----|-------|------|--|-----|--------|--|--|--|
| Diesel (C10-C28) | 1100 | 50 | mg/kg | 1000 | | 113 | 64-121 | | | |
| Residual Range Organics (C28-C40) | 1100 | 200 | " | 1000 | | 110 | 58-124 | | | |
| Surrogate: o-Terphenyl | 50 | | " | 50.0 | | 101 | 59-131 | | | |

Matrix Spike (B6B1510-MS1)

Source: X602145-06

Prepared: 02/15/2016 Analyzed: 02/16/2016

| | | | | | | | | | | |
|-----------------------------------|-----|-----|-------|------|----|------|--------|--|--|--|
| Diesel (C10-C28) | 880 | 50 | mg/kg | 1000 | ND | 87.9 | 53-125 | | | |
| Residual Range Organics (C28-C40) | 860 | 200 | " | 1000 | 12 | 84.4 | 47-133 | | | |
| Surrogate: o-Terphenyl | 41 | | " | 50.0 | | 82.1 | 59-131 | | | |

Matrix Spike Dup (B6B1510-MSD1)

Source: X602145-06

Prepared: 02/15/2016 Analyzed: 02/16/2016

| | | | | | | | | | | |
|-----------------------------------|-----|-----|-------|------|----|------|--------|------|----|--|
| Diesel (C10-C28) | 920 | 50 | mg/kg | 1000 | ND | 91.8 | 53-125 | 4.35 | 20 | |
| Residual Range Organics (C28-C40) | 880 | 200 | " | 1000 | 12 | 86.7 | 47-133 | 2.64 | 20 | |
| Surrogate: o-Terphenyl | 45 | | " | 50.0 | | 89.7 | 59-131 | | | |

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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.

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

Justin Solomon
 Project Number: 014211290-
 Project: KMG - Deepe 14N-27HZ

Classical Chemistry Parameters - Quality Control
Origins Laboratory, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------------|---------|---|----------|-------------|---|------|-------------|-------|-----------|-------|
| Batch B6B1507 - NO PREP | | | | | | | | | | |
| Duplicate (B6B1507-DUP1) | | Source: X602145-05 | | | Prepared: 02/15/2016 Analyzed: 02/16/2016 | | | | | |
| pH | 8.21 | | pH Units | | 8.26 | | | 0.607 | 25 | |
| Batch B6B1508 - NO PREP | | | | | | | | | | |
| Blank (B6B1508-BLK1) | | Prepared: 02/15/2016 Analyzed: 02/16/2016 | | | | | | | | |
| Specific Conductance (EC) | 0.00340 | | mmhos/cm | | | | | | | |
| Duplicate (B6B1508-DUP1) | | Source: X602145-05 | | | Prepared: 02/15/2016 Analyzed: 02/16/2016 | | | | | |
| Specific Conductance (EC) | 0.0471 | | mmhos/cm | | 0.0439 | | | 7.03 | 25 | |

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

Justin Solomon
 Project Number: 014211290-
 Project: KMG - Deepe 14N-27HZ

Metals by SW846 3050B/6010C - Quality Control
GEL Laboratories, LLC

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|------------------------------------|--------|--------------------------|-----------|-------------|---|------|-------------|------|-----------|-------|
| Batch 1545423 - SW846 3050B | | | | | | | | | | |
| BLANK (1203490720-BLK) | | | | | Prepared: 02/16/2016 Analyzed: 02/18/2016 | | | | | |
| Barium | ND | 0.487 | mg/kg | | | | - | | | U |
| LCS (1203490721-BKS) | | | | | Prepared: 02/16/2016 Analyzed: 02/18/2016 | | | | | |
| Barium | 46.3 | 0.477 | mg/kg | 47.7 | | 97 | 80-120 | | | |
| DUP (1203490722 D) | | | | | Prepared: 02/16/2016 Analyzed: 02/18/2016 | | | | | |
| | | Source: 391414005 | | | | | | | | |
| Barium | 29.1 | 0.546 | mg/kg dry | | 24.8 | | 0-20 | 15.6 | 20 | |
| MS (1203490723 S) | | | | | Prepared: 02/16/2016 Analyzed: 02/18/2016 | | | | | |
| | | Source: 391414005 | | | | | | | | |
| Barium | 79.4 | 0.540 | mg/kg dry | 54.0 | 24.8 | 101 | 75-125 | | | |

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 4600 West 60th Avenue
 Arvada CO 80003

Justin Solomon
 Project Number: 014211290-
 Project: KMG - Deepe 14N-27HZ

Metals by SW846 3050B/6020A - Quality Control
GEL Laboratories, LLC

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|------------------------------------|--------|-----------------|-----------|-------------|---|------|-------------|------|-----------|-------|
| Batch 1545431 - SW846 3050B | | | | | | | | | | |
| BLANK (1203490734-BLK) | | | | | Prepared: 02/16/2016 Analyzed: 02/17/2016 | | | | | |
| Arsenic | ND | 0.947 | mg/kg | | | | - | | | U |
| LCS (1203490735-BKS) | | | | | Prepared: 02/16/2016 Analyzed: 02/17/2016 | | | | | |
| Arsenic | 4.27 | 0.967 | mg/kg | 4.84 | | 88.3 | 80-120 | | | |
| DUP (1203490736 D) | | | | | Prepared: 02/16/2016 Analyzed: 02/17/2016 | | | | | |
| | | | | | Source: 391414001 | | | | | |
| Arsenic | 0.960 | 1.10 | mg/kg dry | | 1.02 | | 0-20 | 5.86 | 20 | J |
| MS (1203490737 S) | | | | | Prepared: 02/16/2016 Analyzed: 02/17/2016 | | | | | |
| | | | | | Source: 391414001 | | | | | |
| Arsenic | 5.67 | 1.10 | mg/kg dry | 5.49 | 1.02 | 84.7 | 75-125 | | | |

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LT Environmental, Inc.
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 Arvada CO 80003

Justin Solomon
 Project Number: 014211290-
 Project: KMG - Deepe 14N-27HZ

TCLP Metals by 1311/3010A/6010C - Quality Control
GEL Laboratories, LLC

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|------------------------------------|--------|--------------------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| Batch 1545652 - SW846 3010A | | | | | | | | | | |
| MS (1203490739 S) | | | | | | | | | | |
| | | Source: 391414006 | | | Prepared: 02/17/2016 Analyzed: 02/17/2016 | | | | | |
| Arsenic | 4.55 | 0.300 | mg/L | 5.00 | <0.050 | 90.4 | 75-125 | | | |
| TB (1203490740-BLK) | | | | | | | | | | |
| | | | | | Prepared: 02/17/2016 Analyzed: 02/17/2016 | | | | | |
| Arsenic | ND | 0.300 | mg/L | | | | - | | | U |
| BLANK (1203491379-BLK) | | | | | | | | | | |
| | | | | | Prepared: 02/17/2016 Analyzed: 02/17/2016 | | | | | |
| Arsenic | 0.0552 | 0.300 | mg/L | | | | - | | | J |
| LCS (1203491380-BKS) | | | | | | | | | | |
| | | | | | Prepared: 02/17/2016 Analyzed: 02/17/2016 | | | | | |
| Arsenic | 4.62 | 0.300 | mg/L | 5.00 | | 92.4 | 80-120 | | | |
| DUP (1203491381 D) | | | | | | | | | | |
| | | Source: 391414006 | | | Prepared: 02/17/2016 Analyzed: 02/17/2016 | | | | | |
| Arsenic | ND | 0.300 | mg/L | | <0.050 | | 0-20 | NR | 20 | U |

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

Justin Solomon
Project Number: 014211290-
Project: KMG - Deepe 14N-27HZ

Notes and Definitions

- Ua Sample is Non-Detect.
- U Result not detected above the detection limit
- J Greater than the detection limit but less than the reporting limit
- 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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