

January 11, 2016

LT Environmental, Inc.

John Cocroft

4600 West 60th Avenue

Arvada CO 80003

Project Name - KMG - GEE 15C-25Hz

Project Number - 014216006.5

Attached are your analytical results for KMG - GEE 15C-25Hz received by Origins Laboratory, Inc. January 11, 2016. This project is associated with Origins project number X601078-01.

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



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

John Cocroft  
Project Number: 014216006.5  
Project: KMG - GEE 15C-25Hz

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW01	X601078-01	Water	January 9, 2016 11:40	01/11/2016 09:30
SW02	X601078-02	Water	January 9, 2016 11:00	01/11/2016 09:30
SW03	X601078-03	Water	January 9, 2016 10:10	01/11/2016 09:30
SW04	X601078-04	Water	January 9, 2016 10:40	01/11/2016 09:30
SW05	X601078-05	Water	January 9, 2016 11:20	01/11/2016 09:30

Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President



LT Environmental, Inc.  
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 Arvada CO 80003

John Cocroft  
 Project Number: 014216006.5  
 Project: KMG - GEE 15C-25Hz

Origins Laboratory

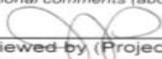
F-012207-01-R1  
 Effective Date: 01/09/12

**Sample Receipt Checklist**

Origins Work Order: X601078 Client: LTE  
 Client Project ID: GEE 15C-25Hz  
 Checklist Completed by: JFS Shipped Via: Pick up  
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
 Date/time completed: 1/11/16 Airbill #: NA  
 Matrix(s) Received: (Check all that apply): Soil/Solid  Water  Other: \_\_\_\_\_  
 Cooler Number/Temperature: 1/42 °C 1 °C 1 °C 1 °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 <sup>(1)</sup> ?	X			
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 <sup>(1)</sup> ?	✓			
Was adequate sample volume provided <sup>(1)</sup> ?	✓			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?		✓		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	X			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	✓			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	✓			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	✓			
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 <sup>(1)</sup> ? (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 <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH >10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)	✓			HCL
Additional Comments (if any):				

<sup>(1)</sup>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) 01/11/16 Date/Time Reviewed

Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006.5  
 Project: KMG - GEE 15C-25Hz

**SW01**  
**1/9/2016 11:40:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601078-01 (Water)**

**BTEX by EPA 8260C**

Benzene	ND	1.0	ug/L	1	B6A1101	01/11/2016	01/11/2016	
Toluene	ND	1.0	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	
Xylenes, total	ND	1.0	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	110 %	84-121			"	"	"	
Surrogate: Toluene-d8	93.5 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	94.4 %	84-114			"	"	"	

Origins Laboratory, Inc.



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LT Environmental, Inc.  
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John Cocroft  
 Project Number: 014216006.5  
 Project: KMG - GEE 15C-25Hz

**SW02**  
**1/9/2016 11:00:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601078-02 (Water)**

**BTEX by EPA 8260C**

Benzene	ND	1.0	ug/L	1	B6A1101	01/11/2016	01/11/2016	
Toluene	ND	1.0	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	
Xylenes, total	ND	1.0	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	106 %	84-121			"	"	"	
Surrogate: Toluene-d8	96.0 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	93.0 %	84-114			"	"	"	

Origins Laboratory, Inc.



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 Project Number: 014216006.5  
 Project: KMG - GEE 15C-25Hz

**SW03**  
**1/9/2016 10:10:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601078-03 (Water)**

**BTEX by EPA 8260C**

Benzene	ND	1.0	ug/L	1	B6A1101	01/11/2016	01/11/2016	
Toluene	ND	1.0	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	
Xylenes, total	ND	1.0	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	104 %	84-121			"	"	"	
Surrogate: Toluene-d8	96.0 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	92.7 %	84-114			"	"	"	

Origins Laboratory, Inc.



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Project Number: 014216006.5  
Project: KMG - GEE 15C-25Hz

**SW04**  
**1/9/2016 10:40:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601078-04 (Water)**

**BTEX by EPA 8260C**

Benzene	ND	1.0	ug/L	1	B6A1101	01/11/2016	01/11/2016	
Toluene	ND	1.0	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	
Xylenes, total	ND	1.0	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	108 %	84-121			"	"	"	
Surrogate: Toluene-d8	95.1 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	95.6 %	84-114			"	"	"	

Origins Laboratory, Inc.



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John Cocroft  
 Project Number: 014216006.5  
 Project: KMG - GEE 15C-25Hz

**SW05**  
**1/9/2016 11:20:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601078-05 (Water)**

**BTEX by EPA 8260C**

Benzene	ND	1.0	ug/L	1	B6A1101	01/11/2016	01/11/2016	
Toluene	ND	1.0	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	
Xylenes, total	ND	1.0	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	106 %	84-121			"	"	"	
Surrogate: Toluene-d8	96.7 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	96.9 %	84-114			"	"	"	

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 Project Number: 014216006.5  
 Project: KMG - GEE 15C-25Hz

**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
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**Batch B6A1101 - EPA 5030B (Water)**

**Blank (B6A1101-BLK1)**

Prepared: 01/11/2016 Analyzed: 01/11/2016

Benzene	ND	1.0	ug/L							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes, total	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5	104		84-121			
Surrogate: Toluene-d8	58		"	62.5	92.1		85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5	97.2		84-114			

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 Project Number: 014216006.5  
 Project: KMG - GEE 15C-25Hz

**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
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**Batch B6A1101 - EPA 5030B (Water)**

**LCS (B6A1101-BS1)**

Prepared: 01/11/2016 Analyzed: 01/11/2016

Benzene	47.1	1.0	ug/L	50.0		94.3	73.3-129			
Toluene	57.6	1.0	"	50.0		115	76.2-123			
Ethylbenzene	55.2	1.0	"	50.0		110	73.6-130			
m,p-Xylene	111	2.0	"	100		111	76.1-126			
o-Xylene	56.0	1.0	"	50.0		112	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5		103	84-121			
Surrogate: Toluene-d8	59		"	62.5		94.5	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.5	84-114			

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**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
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Batch B6A1101 - EPA 5030B (Water)

Matrix Spike (B6A1101-MS1)	Source: X601066-03			Prepared: 01/11/2016 Analyzed: 01/11/2016						
Benzene	47.8	1.0	ug/L	50.0	95.6	74-130				
Toluene	55.9	1.0	"	50.0	112	73-131				
Ethylbenzene	53.4	1.0	"	50.0	107	76-132				
m,p-Xylene	106	2.0	"	100	106	69-139				
o-Xylene	54.7	1.0	"	50.0	109	74-131				
Surrogate: 1,2-Dichloroethane-d4	66		"	62.5	105	84-121				
Surrogate: Toluene-d8	59		"	62.5	93.8	85-115				
Surrogate: 4-Bromofluorobenzene	61		"	62.5	98.0	84-114				

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 Arvada CO 80003

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 Project Number: 014216006.5  
 Project: KMG - GEE 15C-25Hz

**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
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**Batch B6A1101 - EPA 5030B (Water)**

Matrix Spike Dup (B6A1101-MSD1)	Source: X601066-03			Prepared: 01/11/2016 Analyzed: 01/11/2016						
Benzene	47.6	1.0	ug/L	50.0	95.3	74-130	0.356	20		
Toluene	58.8	1.0	"	50.0	118	73-131	5.16	20		
Ethylbenzene	54.0	1.0	"	50.0	108	76-132	1.10	20		
m,p-Xylene	109	2.0	"	100	109	69-139	2.83	20		
o-Xylene	55.2	1.0	"	50.0	110	74-131	0.892	20		
Surrogate: 1,2-Dichloroethane-d4	67		"	62.5	107	84-121				
Surrogate: Toluene-d8	60		"	62.5	96.2	85-115				
Surrogate: 4-Bromofluorobenzene	62		"	62.5	99.4	84-114				

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4600 West 60th Avenue  
Arvada CO 80003

John Cocroft  
Project Number: 014216006.5  
Project: KMG - GEE 15C-25Hz

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**Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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---

Jen Pellegrini For Noelle Doyle Mathis, President

January 13, 2016

LT Environmental, Inc.

John Cocroft

4600 West 60th Avenue

Arvada CO 80003

Project Name - KMG - GEE 15C-25Hz

Project Number - 014216006

Attached are your analytical results for KMG - GEE 15C-25Hz received by Origins Laboratory, Inc. January 12, 2016. This project is associated with Origins project number X601106-01.

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



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

John Cocroft  
Project Number: 014216006  
Project: KMG - GEE 15C-25Hz

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW06	X601106-01	Water	January 12, 2016 14:40	01/12/2016 18:00
SW07	X601106-02	Water	January 12, 2016 14:55	01/12/2016 18:00
SW08	X601106-03	Water	January 12, 2016 15:05	01/12/2016 18:00
SW09	X601106-04	Water	January 12, 2016 15:15	01/12/2016 18:00
SW05	X601106-05	Water	January 12, 2016 15:20	01/12/2016 18:00
SW04	X601106-06	Water	January 12, 2016 15:45	01/12/2016 18:00
SW02	X601106-07	Water	January 12, 2016 15:55	01/12/2016 18:00
SW01	X601106-08	Water	January 12, 2016 16:00	01/12/2016 18:00
SW03	X601106-09	Water	January 12, 2016 16:15	01/12/2016 18:00

Origins Laboratory, Inc.



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John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

Origins Laboratory

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

**Sample Receipt Checklist**

Origins Work Order: X6011016 Client: LT Environmental  
 Client Project ID: KMG-GEE 15C-25Hz  
 Checklist Completed by: Joe Henderson Shipped Via: H/S  
 Date/time completed: 1/12/16 1806 (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
 Airbill #: AA  
 Matrix(s) Received: (Check all that apply): Soil/Solid  Water  Other: \_\_\_\_\_  
 Cooler Number/Temperature: 1 / 0.5 °c 1 °c 1 °c 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 <sup>(1)</sup> ?	X			
Is there ice present (document if blue ice is used)	X			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		X		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		X		
Were all samples received intact <sup>(1)</sup> ?	X			
Was adequate sample volume provided <sup>(1)</sup> ?	X			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?		X		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	X			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	X			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	X			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	X			
For volatiles in water – is there headspace (> ¼ inch bubble) present? <b>If yes, contact client and note in narrative.</b>		X		
Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (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)		X		
Additional Comments (if any):				

<sup>(1)</sup>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 [Signature] (Project Manager)

01/13/16  
 Date/Time Reviewed

Origins Laboratory, Inc.

[Signature: Jen Pellegrini]

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4600 West 60th Avenue  
Arvada CO 80003

John Cocroft  
Project Number: 014216006  
Project: KMG - GEE 15C-25Hz

**SW06**  
**1/12/2016 2:40:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601106-01 (Water)**

**BTEX by EPA 8260C**

Benzene	ND	1.0	ug/L	1	B6A1208	01/12/2016	01/12/2016	
Toluene	ND	1.0	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	
Xylenes, total	ND	1.0	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	107 %	84-121			"	"	"	
Surrogate: Toluene-d8	99.3 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	100 %	84-114			"	"	"	

Origins Laboratory, Inc.



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John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SW07**  
**1/12/2016 2:55:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601106-02 (Water)**

**BTEX by EPA 8260C**

Benzene	ND	1.0	ug/L	1	B6A1208	01/12/2016	01/12/2016	
Toluene	ND	1.0	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	
Xylenes, total	ND	1.0	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	104 %	84-121			"	"	"	
Surrogate: Toluene-d8	98.4 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.8 %	84-114			"	"	"	

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John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SW08**  
**1/12/2016 3:05:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601106-03 (Water)**

**BTEX by EPA 8260C**

Benzene	ND	1.0	ug/L	1	B6A1208	01/12/2016	01/12/2016	
Toluene	ND	1.0	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	
Xylenes, total	ND	1.0	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	107 %	84-121			"	"	"	
Surrogate: Toluene-d8	97.3 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	94.2 %	84-114			"	"	"	

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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SW09**  
**1/12/2016 3:15:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601106-04 (Water)**

**BTEX by EPA 8260C**

Benzene	ND	1.0	ug/L	1	B6A1208	01/12/2016	01/12/2016	
Toluene	ND	1.0	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	
Xylenes, total	ND	1.0	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	106 %	84-121			"	"	"	
Surrogate: Toluene-d8	97.1 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	93.1 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SW05**  
**1/12/2016 3:20:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601106-05 (Water)**

**BTEX by EPA 8260C**

Benzene	ND	1.0	ug/L	1	B6A1208	01/12/2016	01/12/2016	
Toluene	ND	1.0	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	
Xylenes, total	ND	1.0	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	109 %	84-121			"	"	"	
Surrogate: Toluene-d8	99.6 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.7 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SW04**  
**1/12/2016 3:45:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601106-06 (Water)**

**BTEX by EPA 8260C**

Benzene	ND	1.0	ug/L	1	B6A1208	01/12/2016	01/12/2016	
Toluene	ND	1.0	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	
Xylenes, total	ND	1.0	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	111 %	84-121			"	"	"	
Surrogate: Toluene-d8	100 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	96.4 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SW02**  
**1/12/2016 3:55:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601106-07 (Water)**

**BTEX by EPA 8260C**

Benzene	ND	1.0	ug/L	1	B6A1208	01/12/2016	01/12/2016	
Toluene	ND	1.0	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	
Xylenes, total	ND	1.0	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	104 %	84-121			"	"	"	
Surrogate: Toluene-d8	99.1 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	95.5 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SW01**  
**1/12/2016 4:00:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601106-08 (Water)**

**BTEX by EPA 8260C**

Benzene	ND	1.0	ug/L	1	B6A1208	01/12/2016	01/12/2016	
Toluene	ND	1.0	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	
Xylenes, total	ND	1.0	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	112 %	84-121			"	"	"	
Surrogate: Toluene-d8	100 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	93.8 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SW03**  
**1/12/2016 4:15:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601106-09 (Water)**

**BTEX by EPA 8260C**

Benzene	ND	1.0	ug/L	1	B6A1208	01/12/2016	01/12/2016	
Toluene	ND	1.0	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	
Xylenes, total	ND	1.0	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	107 %	84-121			"	"	"	
Surrogate: Toluene-d8	95.7 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.0 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**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
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**Batch B6A1208 - EPA 5030B (Water)**

**Blank (B6A1208-BLK1)**

Prepared: 01/12/2016 Analyzed: 01/12/2016

Benzene	ND	1.0	ug/L							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes, total	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	68		"	62.5	109		84-121			
Surrogate: Toluene-d8	63		"	62.5	100		85-115			
Surrogate: 4-Bromofluorobenzene	59		"	62.5	94.0		84-114			

Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**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
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**Batch B6A1208 - EPA 5030B (Water)**

**LCS (B6A1208-BS1)**

Prepared: 01/12/2016 Analyzed: 01/12/2016

Benzene	50.8	1.0	ug/L	50.0		102	73.3-129			
Toluene	53.0	1.0	"	50.0		106	76.2-123			
Ethylbenzene	54.3	1.0	"	50.0		109	73.6-130			
m,p-Xylene	108	2.0	"	100		108	76.1-126			
o-Xylene	51.6	1.0	"	50.0		103	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5		104	84-121			
Surrogate: Toluene-d8	60		"	62.5		96.3	85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	84-114			

Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**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
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Batch B6A1208 - EPA 5030B (Water)

Matrix Spike (B6A1208-MS1)	Source: X601106-08			Prepared: 01/12/2016 Analyzed: 01/12/2016						
Benzene	54.7	1.0	ug/L	50.0	ND	109	74-130			
Toluene	55.0	1.0	"	50.0	ND	110	73-131			
Ethylbenzene	59.6	1.0	"	50.0	ND	119	76-132			
m,p-Xylene	114	2.0	"	100	ND	114	69-139			
o-Xylene	53.9	1.0	"	50.0	ND	108	74-131			
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5		103	84-121			
Surrogate: Toluene-d8	63		"	62.5		101	85-115			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		96.4	84-114			

Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**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
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**Batch B6A1208 - EPA 5030B (Water)**

<b>Matrix Spike Dup (B6A1208-MSD1)</b>	<b>Source: X601106-08</b>			<b>Prepared: 01/12/2016 Analyzed: 01/12/2016</b>						
Benzene	52.3	1.0	ug/L	50.0	ND	105	74-130	4.56	20	
Toluene	52.9	1.0	"	50.0	ND	106	73-131	3.89	20	
Ethylbenzene	57.3	1.0	"	50.0	ND	115	76-132	3.82	20	
m,p-Xylene	112	2.0	"	100	ND	112	69-139	1.71	20	
o-Xylene	53.9	1.0	"	50.0	ND	108	74-131	0.0186	20	
Surrogate: 1,2-Dichloroethane-d4	62		"	62.5		99.7	84-121			
Surrogate: Toluene-d8	61		"	62.5		98.1	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		98.5	84-114			

Origins Laboratory, Inc.



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

John Cocroft  
Project Number: 014216006  
Project: KMG - GEE 15C-25Hz

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### Notes and Definitions

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.*

---

Jen Pellegrini For Noelle Doyle Mathis, President



January 14, 2016

**LT Environmental, Inc.**

**John Cocroft**

**4600 West 60th Avenue**

**Arvada CO 80003**

**Project Name - KMG - GEE 15C-25Hz**

**Project Number - 014216006**

Attached are your analytical results for KMG - GEE 15C-25Hz received by Origins Laboratory, Inc. January 13, 2016. This project is associated with Origins project number X601115-01.

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

John Cocroft  
Project Number: 014216006  
Project: KMG - GEE 15C-25Hz

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS01	X601115-01	Soil	January 13, 2016 11:20	01/13/2016 16:55
SS02	X601115-02	Soil	January 13, 2016 11:30	01/13/2016 16:55
SS03	X601115-03	Soil	January 13, 2016 11:40	01/13/2016 16:55
SS04	X601115-04	Soil	January 13, 2016 11:50	01/13/2016 16:55
SS05	X601115-05	Soil	January 13, 2016 12:00	01/13/2016 16:55
SS06	X601115-06	Soil	January 13, 2016 12:10	01/13/2016 16:55
SS07	X601115-07	Soil	January 13, 2016 12:20	01/13/2016 16:55
SS08	X601115-08	Soil	January 13, 2016 12:30	01/13/2016 16:55
SS09	X601115-09	Soil	January 13, 2016 12:40	01/13/2016 16:55
SS10	X601115-10	Soil	January 13, 2016 12:50	01/13/2016 16:55

Origins Laboratory, Inc.



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

John Cocroft  
Project Number: 014216006  
Project: KMG - GEE 15C-25Hz

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW10	X601115-12	Water	January 13, 2016 14:20	01/13/2016 16:55

Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President

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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

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X60115

ORIGINS  
 LABORATORY, INC

page 1 of 2

Client: GTE  
 Address: 4600 W 60th Ave  
Arvada Co 80003  
 Telephone Number: 303-433-9788  
 Email Address: ccroft@originslab.com

Project Manager: John Cocroft  
 Project Name: GEE 15C-25Hz  
 Project Number: 014216006  
 Samples Collected By: RZ  
ATT: Sam LaRue

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
				HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Air Summ #	Other	TEH	GC	Other	
SS01	1/13/16	1120	2	X				X				X	X	Hold SAC
SS02		1136	2	X				X				X	X	Hold SAC
SS03		1140	2	X				X				X	X	Hold SAC
SS04		1150	2	X				X				X	X	Hold SAC
SS05		1200	2	X				X				X	X	Hold SAC
SS06		1216	2	X				X				X	X	Hold SAC
SS07		1220	2	X				X				X	X	Hold SAC
SS08		1230	2	X				X				X	X	Hold SAC
SS09		1240	2	X				X				X	X	Hold SAC
SS10		1250	2	X				X				X	X	Hold SAC
Relinquished By: <u>RZ</u>	Date: <u>1/13/16</u>	Time: <u>1615</u>	Time: <u>1615</u>	Received By: <u>Jim Wender</u>	Date: <u>1/13/16</u>	Time: <u>16:15</u>	Turnaround Time: <input checked="" type="checkbox"/> Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard							
Relinquished By: <u>Jim Wender</u>	Date: <u>1/13/16</u>	Time: <u>16:55</u>	Time: <u>16:55</u>	Received By: <u>JM</u>	Date: <u>1/13/16</u>	Time: <u>16:55</u>								

Date Results Needed

Temp Received: 11.4

Origins Laboratory, Inc.

*Jefe Pellegrini*

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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

Origins Laboratory

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

**Sample Receipt Checklist**

Origins Work Order: X60115 Client: LTE  
 Client Project ID: GEE 15C-25HZ  
 Checklist Completed by: Jeff Smith Shipped Via: HD  
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
 Date/time completed: 1/13/16 Airbill #: N/A  
 Matrix(s) Received: (Check all that apply):  Soil/Solid  Water Other: \_\_\_\_\_  
 Cooler Number/Temperature: 1 / 4 °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 <sup>(1)</sup> ?	X			
Is there ice present (document if blue ice is used)	X			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		Y		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		Y		
Were all samples received intact <sup>(1)</sup> ?	Y			
Was adequate sample volume provided <sup>(1)</sup> ?	X			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?	X			PH
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	X			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	Y			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	Y			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	Y			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		X		
Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (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)		X		
Additional Comments (if any):				

<sup>(1)</sup>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) Jeff Smith Date/Time Reviewed 1/13/16

Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS01**

**1/13/2016 11:20:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601115-01 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	170	25	mg/kg	1	B6A1302	01/13/2016	01/13/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

Surrogate: *o*-Terphenyl 86.3 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	5.00	mg/kg	25	B6A1301	01/13/2016	01/13/2016	
Benzene	ND	0.050	"	"	"	"	"	
Toluene	ND	0.050	"	"	"	"	"	
Ethylbenzene	ND	0.050	"	"	"	"	"	
Xylenes, total	ND	0.050	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4 97.2 % 70-130 " " "  
 Surrogate: Toluene-d8 99.1 % 70-130 " " "  
 Surrogate: 4-Bromofluorobenzene 89.5 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.50		pH Units	1	B6A1305	01/13/2016	01/13/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0399		mmhos/cm	"	B6A1306	01/13/2016	01/13/2016	
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Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS02**

**1/13/2016 11:30:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601115-02 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	1200	25	mg/kg	1	B6A1302	01/13/2016	01/13/2016	
Residual Range Organics (C28-C36)	400	100	"	"	"	"	"	

Surrogate: *o*-Terphenyl 86.4 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	11.2	5.00	mg/kg	25	B6A1301	01/13/2016	01/13/2016	
Benzene	ND	0.050	"	"	"	"	"	
Toluene	ND	0.050	"	"	"	"	"	
Ethylbenzene	ND	0.050	"	"	"	"	"	
Xylenes, total	ND	0.050	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4 96.6 % 70-130 " " "  
 Surrogate: Toluene-d8 98.4 % 70-130 " " "  
 Surrogate: 4-Bromofluorobenzene 87.0 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.56		pH Units	1	B6A1305	01/13/2016	01/13/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0466		mmhos/cm	"	B6A1306	01/13/2016	01/13/2016	
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Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS03**

**1/13/2016 11:40:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601115-03 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1302	01/13/2016	01/13/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 78.1 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	5.00	mg/kg	25	B6A1301	01/13/2016	01/13/2016	
Benzene	ND	0.050	"	"	"	"	"	
Toluene	ND	0.050	"	"	"	"	"	
Ethylbenzene	ND	0.050	"	"	"	"	"	
Xylenes, total	ND	0.050	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 100 % 70-130 " " "  
*Surrogate: Toluene-d8* 98.4 % 70-130 " " "  
*Surrogate: 4-Bromofluorobenzene* 88.9 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.58		pH Units	1	B6A1305	01/13/2016	01/13/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0382		mmhos/cm	"	B6A1306	01/13/2016	01/13/2016	
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LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS04**

**1/13/2016 11:50:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601115-04 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	<b>540</b>	25	mg/kg	1	B6A1302	01/13/2016	01/13/2016	
Residual Range Organics (C28-C36)	<b>180</b>	100	"	"	"	"	"	

*Surrogate: o-Terphenyl*      100 %      59-131      "      "      "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	<b>8.99</b>	5.00	mg/kg	25	B6A1301	01/13/2016	01/13/2016	
Benzene	ND	0.050	"	"	"	"	"	
Toluene	ND	0.050	"	"	"	"	"	
Ethylbenzene	ND	0.050	"	"	"	"	"	
Xylenes, total	ND	0.050	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4*      99.4 %      70-130      "      "      "

*Surrogate: Toluene-d8*      98.8 %      70-130      "      "      "

*Surrogate: 4-Bromofluorobenzene*      90.0 %      70-130      "      "      "

**pH in Soil by EPA 9045D**

pH	<b>8.53</b>		pH Units	1	B6A1305	01/13/2016	01/13/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	<b>0.0331</b>		mmhos/cm	"	B6A1306	01/13/2016	01/13/2016	
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 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS05**

**1/13/2016 12:00:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601115-05 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	<b>1100</b>	25	mg/kg	1	B6A1302	01/13/2016	01/13/2016	
Residual Range Organics (C28-C36)	<b>380</b>	100	"	"	"	"	"	

*Surrogate: o-Terphenyl*      117 %      59-131      "      "      "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	<b>21.4</b>	5.00	mg/kg	25	B6A1301	01/13/2016	01/14/2016	
Benzene	ND	0.050	"	"	"	"	"	
Toluene	ND	0.050	"	"	"	"	"	
Ethylbenzene	ND	0.050	"	"	"	"	"	
Xylenes, total	ND	0.050	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4*      102 %      70-130      "      "      "

*Surrogate: Toluene-d8*      98.1 %      70-130      "      "      "

*Surrogate: 4-Bromofluorobenzene*      85.2 %      70-130      "      "      "

**pH in Soil by EPA 9045D**

pH	<b>8.40</b>		pH Units	1	B6A1305	01/13/2016	01/13/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	<b>0.0368</b>		mmhos/cm	"	B6A1306	01/13/2016	01/13/2016	
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LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS06**

**1/13/2016 12:10:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601115-06 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	110	25	mg/kg	1	B6A1302	01/13/2016	01/13/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 78.8 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	5.00	mg/kg	25	B6A1301	01/13/2016	01/14/2016	
Benzene	ND	0.050	"	"	"	"	"	
Toluene	ND	0.050	"	"	"	"	"	
Ethylbenzene	ND	0.050	"	"	"	"	"	
Xylenes, total	ND	0.050	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 98.4 % 70-130 " " "  
*Surrogate: Toluene-d8* 98.0 % 70-130 " " "  
*Surrogate: 4-Bromofluorobenzene* 89.9 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.34		pH Units	1	B6A1305	01/13/2016	01/13/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0495		mmhos/cm	"	B6A1306	01/13/2016	01/13/2016	
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Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS07**

**1/13/2016 12:20:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601115-07 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1302	01/13/2016	01/13/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 76.5 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	5.00	mg/kg	25	B6A1301	01/13/2016	01/14/2016	
Benzene	ND	0.050	"	"	"	"	"	
Toluene	ND	0.050	"	"	"	"	"	
Ethylbenzene	ND	0.050	"	"	"	"	"	
Xylenes, total	ND	0.050	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 99.6 % 70-130 " " "

*Surrogate: Toluene-d8* 100 % 70-130 " " "

*Surrogate: 4-Bromofluorobenzene* 87.4 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.38		pH Units	1	B6A1305	01/13/2016	01/13/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0495		mmhos/cm	"	B6A1306	01/13/2016	01/13/2016	
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Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS08**

**1/13/2016 12:30:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601115-08 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	520	25	mg/kg	1	B6A1302	01/13/2016	01/13/2016	
Residual Range Organics (C28-C36)	220	100	"	"	"	"	"	

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

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	5.00	mg/kg	25	B6A1301	01/13/2016	01/14/2016	
Benzene	ND	0.050	"	"	"	"	"	
Toluene	ND	0.050	"	"	"	"	"	
Ethylbenzene	ND	0.050	"	"	"	"	"	
Xylenes, total	ND	0.050	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4 99.2 % 70-130 " " "  
 Surrogate: Toluene-d8 99.5 % 70-130 " " "  
 Surrogate: 4-Bromofluorobenzene 89.4 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.36		pH Units	1	B6A1305	01/13/2016	01/13/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0473		mmhos/cm	"	B6A1306	01/13/2016	01/13/2016	
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LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS09**

**1/13/2016 12:40:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601115-09 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1302	01/13/2016	01/13/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 70.7 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6A1301	01/13/2016	01/14/2016	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 98.4 % 70-130 " " "

*Surrogate: Toluene-d8* 95.8 % 70-130 " " "

*Surrogate: 4-Bromofluorobenzene* 89.6 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.36		pH Units	1	B6A1305	01/13/2016	01/13/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0598		mmhos/cm	"	B6A1306	01/13/2016	01/13/2016	
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LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS10**

**1/13/2016 12:50:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.  
 X601115-10 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	59	25	mg/kg	1	B6A1302	01/13/2016	01/13/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

Surrogate: *o*-Terphenyl 84.6 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	0.547	0.200	mg/kg	1	B6A1301	01/13/2016	01/14/2016	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4 102 % 70-130 " " "  
 Surrogate: Toluene-d8 96.3 % 70-130 " " "  
 Surrogate: 4-Bromofluorobenzene 95.4 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.22		pH Units	1	B6A1305	01/13/2016	01/13/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0781		mmhos/cm	"	B6A1306	01/13/2016	01/13/2016	
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LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SW10**  
**1/13/2016 2:20:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601115-12 (Water)**

**BTEX by EPA 8260C**

Benzene	ND	1.0	ug/L	1	B6A1201	01/13/2016	01/13/2016	
Toluene	ND	1.0	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	
Xylenes, total	ND	1.0	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	105 %	84-121			"	"	"	
Surrogate: Toluene-d8	100 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	94.4 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**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
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**Batch B6A1201 - EPA 5030B (Water)**

**Blank (B6A1201-BLK1)**

Prepared: 01/12/2016 Analyzed: 01/13/2016

Benzene	ND	1.0	ug/L							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes, total	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5		103	84-121			
Surrogate: Toluene-d8	63		"	62.5		100	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		100	84-114			

Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**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
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**Batch B6A1201 - EPA 5030B (Water)**

**LCS (B6A1201-BS1)**

Prepared: 01/12/2016 Analyzed: 01/13/2016

Benzene	50.6	1.0	ug/L	50.0		101	73.3-129			
Toluene	49.2	1.0	"	50.0		98.3	76.2-123			
Ethylbenzene	49.6	1.0	"	50.0		99.2	73.6-130			
m,p-Xylene	96.6	2.0	"	100		96.6	76.1-126			
o-Xylene	49.3	1.0	"	50.0		98.6	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		97.8	84-121			
Surrogate: Toluene-d8	63		"	62.5		100	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.2	84-114			

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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**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
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**Batch B6A1201 - EPA 5030B (Water)**

<b>Matrix Spike (B6A1201-MS1)</b>	<b>Source: X601092-01</b>			<b>Prepared: 01/12/2016 Analyzed: 01/13/2016</b>						
Benzene	50.1	1.0	ug/L	50.0	ND	100	74-130			
Toluene	49.5	1.0	"	50.0	ND	99.0	73-131			
Ethylbenzene	49.9	1.0	"	50.0	ND	99.9	76-132			
m,p-Xylene	99.6	2.0	"	100	ND	99.6	69-139			
o-Xylene	52.7	1.0	"	50.0	ND	105	74-131			
Surrogate: 1,2-Dichloroethane-d4	59		"	62.5		94.2	84-121			
Surrogate: Toluene-d8	63		"	62.5		101	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.3	84-114			

Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**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
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**Batch B6A1201 - EPA 5030B (Water)**

Matrix Spike Dup (B6A1201-MSD1)	Source: X601092-01			Prepared: 01/12/2016 Analyzed: 01/13/2016						
Benzene	46.4	1.0	ug/L	50.0	ND	92.9	74-130	7.62	20	
Toluene	44.7	1.0	"	50.0	ND	89.4	73-131	10.2	20	
Ethylbenzene	44.9	1.0	"	50.0	ND	89.7	76-132	10.7	20	
m,p-Xylene	89.7	2.0	"	100	ND	89.7	69-139	10.5	20	
o-Xylene	48.9	1.0	"	50.0	ND	97.7	74-131	7.64	20	
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		96.8	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.0	85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		98.3	84-114			

Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**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
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**Batch B6A1301 - EPA 5030 (soil)**

**Blank (B6A1301-BLK1)**

Prepared: 01/13/2016 Analyzed: 01/13/2016

Gasoline Range Hydrocarbons	ND	0.200	mg/kg							
Benzene	ND	0.002	"							
Toluene	ND	0.002	"							
Ethylbenzene	ND	0.002	"							
Xylenes, total	ND	0.002	"							
Surrogate: 1,2-Dichloroethane-d4	67.3		ug/kg	62.5		108	70-130			
Surrogate: Toluene-d8	60.4		"	62.5		96.7	70-130			
Surrogate: 4-Bromofluorobenzene	55.5		"	62.5		88.8	70-130			

Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**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
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**Batch B6A1301 - EPA 5030 (soil)**

**LCS (B6A1301-BS1)**

Prepared: 01/13/2016 Analyzed: 01/13/2016

Benzene	0.103	0.002	mg/kg	0.100		103	77.1-124			
Toluene	0.102	0.002	"	0.100		102	74.5-128			
Ethylbenzene	0.091	0.002	"	0.100		90.9	66.4-127			
m,p-Xylene	0.179	0.004	"	0.200		89.4	76.6-124			
o-Xylene	0.088	0.002	"	0.100		88.1	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	66.3		ug/kg	62.5		106	70-130			
Surrogate: Toluene-d8	62.4		"	62.5		99.9	70-130			
Surrogate: 4-Bromofluorobenzene	54.0		"	62.5		86.4	70-130			

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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**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
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Batch B6A1301 - EPA 5030 (soil)

Matrix Spike (B6A1301-MS1)	Source: X601108-01			Prepared: 01/13/2016 Analyzed: 01/13/2016						
Benzene	0.097	0.002	mg/kg	0.100	ND	97.2	71.8-126			
Toluene	0.101	0.002	"	0.100	ND	101	65.1-130			
Ethylbenzene	0.114	0.002	"	0.100	ND	114	62.2-130			
m,p-Xylene	0.225	0.004	"	0.200	ND	113	46.5-137			
o-Xylene	0.113	0.002	"	0.100	ND	113	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	69.0		ug/kg	62.5		110	70-130			
Surrogate: Toluene-d8	57.2		"	62.5		91.6	70-130			
Surrogate: 4-Bromofluorobenzene	63.4		"	62.5		101	70-130			

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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**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
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Batch B6A1301 - EPA 5030 (soil)

Matrix Spike Dup (B6A1301-MSD1)	Source: X601108-01			Prepared: 01/13/2016 Analyzed: 01/13/2016						
Benzene	0.095	0.002	mg/kg	0.100	ND	94.6	71.8-126	2.77	11.3	
Toluene	0.094	0.002	"	0.100	ND	94.1	65.1-130	7.50	15.4	
Ethylbenzene	0.106	0.002	"	0.100	ND	106	62.2-130	7.00	19.6	
m,p-Xylene	0.210	0.004	"	0.200	ND	105	46.5-137	7.28	19.2	
o-Xylene	0.106	0.002	"	0.100	ND	106	54.2-134	6.48	17.9	
Surrogate: 1,2-Dichloroethane-d4	67.0		ug/kg	62.5		107	70-130			
Surrogate: Toluene-d8	58.3		"	62.5		93.2	70-130			
Surrogate: 4-Bromofluorobenzene	62.3		"	62.5		99.7	70-130			

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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**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
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**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
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**Batch B6A1302 - EPA 3580**

**Blank (B6A1302-BLK1)**

Prepared: 01/13/2016 Analyzed: 01/13/2016

Diesel (C10-C28)	ND	50	mg/kg							
Residual Range Organics (C28-C36)	ND	200	"							
Surrogate: o-Terphenyl	39		"	50.0		77.5	59-131			

**LCS (B6A1302-BS1)**

Prepared: 01/13/2016 Analyzed: 01/13/2016

Diesel (C10-C28)	860	50	mg/kg	1000		86.5	64-121			
Residual Range Organics (C28-C36)	920	200	"	1000		91.9	58-124			
Surrogate: o-Terphenyl	46		"	50.0		92.6	59-131			

**Matrix Spike (B6A1302-MS1)**

Source: X601108-01

Prepared: 01/13/2016 Analyzed: 01/13/2016

Diesel (C10-C28)	910	50	mg/kg	1000	ND	90.7	53-125			
Residual Range Organics (C28-C36)	1000	200	"	1000	17	99.8	47-133			
Surrogate: o-Terphenyl	39		"	50.0		77.8	59-131			

**Matrix Spike Dup (B6A1302-MSD1)**

Source: X601108-01

Prepared: 01/13/2016 Analyzed: 01/13/2016

Diesel (C10-C28)	910	50	mg/kg	1000	ND	91.0	53-125	0.256	20	
Residual Range Organics (C28-C36)	910	200	"	1000	17	89.6	47-133	10.6	20	
Surrogate: o-Terphenyl	48		"	50.0		95.0	59-131			

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LT Environmental, Inc.  
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 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**Classical Chemistry Parameters - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B6A1305 - NO PREP</b>										
<b>Duplicate (B6A1305-DUP1)</b>		<b>Source: X601115-01</b>			Prepared: 01/13/2016 Analyzed: 01/13/2016					
pH	7.93		pH Units		8.50			6.94	25	
<b>Batch B6A1306 - NO PREP</b>										
<b>Blank (B6A1306-BLK1)</b>		Prepared: 01/13/2016 Analyzed: 01/13/2016								
Specific Conductance (EC)	0.00260		mmhos/cm							
<b>Duplicate (B6A1306-DUP1)</b>		<b>Source: X601115-01</b>			Prepared: 01/13/2016 Analyzed: 01/13/2016					
Specific Conductance (EC)	0.0423		mmhos/cm		0.0399			5.84	25	

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4600 West 60th Avenue  
Arvada CO 80003

John Cocroft  
Project Number: 014216006  
Project: KMG - GEE 15C-25Hz

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**Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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---

Jen Pellegrini For Noelle Doyle Mathis, President

January 15, 2016

LT Environmental, Inc.

John Cocroft

4600 West 60th Avenue

Arvada CO 80003

Project Name - KMG - GEE 15C-25Hz

Project Number - 014216006

Attached are your analytical results for KMG - GEE 15C-25Hz received by Origins Laboratory, Inc. January 14, 2016. This project is associated with Origins project number X601125-01.

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



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

John Cocroft  
Project Number: 014216006  
Project: KMG - GEE 15C-25Hz

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS18	X601125-01	Soil	January 14, 2016 13:00	01/14/2016 16:37
SS19	X601125-02	Soil	January 14, 2016 13:05	01/14/2016 16:37
SS20	X601125-03	Soil	January 14, 2016 13:10	01/14/2016 16:37
SS24	X601125-04	Soil	January 14, 2016 13:15	01/14/2016 16:37
SS25	X601125-05	Soil	January 14, 2016 13:20	01/14/2016 16:37
SS26	X601125-06	Soil	January 14, 2016 13:25	01/14/2016 16:37
SS29	X601125-07	Soil	January 14, 2016 13:30	01/14/2016 16:37
SS30	X601125-08	Soil	January 14, 2016 13:40	01/14/2016 16:37
SS31	X601125-09	Soil	January 14, 2016 13:45	01/14/2016 16:37
SS32	X601125-10	Soil	January 14, 2016 13:50	01/14/2016 16:37

Origins Laboratory, Inc.



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

John Cocroft  
Project Number: 014216006  
Project: KMG - GEE 15C-25Hz

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS33	X601125-11	Soil	January 14, 2016 13:55	01/14/2016 16:37
SS34	X601125-12	Soil	January 14, 2016 14:00	01/14/2016 16:37
SS35	X601125-13	Soil	January 14, 2016 14:05	01/14/2016 16:37
SS36	X601125-14	Soil	January 14, 2016 14:10	01/14/2016 16:37
SS37	X601125-15	Soil	January 14, 2016 14:15	01/14/2016 16:37
SS38	X601125-16	Soil	January 14, 2016 14:20	01/14/2016 16:37
SS39	X601125-17	Soil	January 14, 2016 14:25	01/14/2016 16:37
SS40	X601125-18	Soil	January 14, 2016 14:30	01/14/2016 16:37
SS41	X601125-19	Soil	January 14, 2016 14:35	01/14/2016 16:37
SS42	X601125-20	Soil	January 14, 2016 14:40	01/14/2016 16:37

Origins Laboratory, Inc.



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

John Cocroft  
Project Number: 014216006  
Project: KMG - GEE 15C-25Hz

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS43	X601125-21	Soil	January 14, 2016 14:45	01/14/2016 16:37
SS44	X601125-22	Soil	January 14, 2016 14:50	01/14/2016 16:37
SS45	X601125-23	Soil	January 14, 2016 14:55	01/14/2016 16:37
SS46	X601125-24	Soil	January 14, 2016 15:00	01/14/2016 16:37
SS47	X601125-25	Soil	January 14, 2016 15:05	01/14/2016 16:37
SS48	X601125-26	Soil	January 14, 2016 15:10	01/14/2016 16:37
SS49	X601125-27	Soil	January 14, 2016 15:15	01/14/2016 16:37
SS50	X601125-28	Soil	January 14, 2016 15:20	01/14/2016 16:37
SS51	X601125-29	Soil	January 14, 2016 15:25	01/14/2016 16:37
SS52	X601125-30	Soil	January 14, 2016 15:30	01/14/2016 16:37

Origins Laboratory, Inc.



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

John Cocroft  
Project Number: 014216006  
Project: KMG - GEE 15C-25Hz

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS53	X601125-31	Soil	January 14, 2016 15:35	01/14/2016 16:37
SS54	X601125-32	Soil	January 14, 2016 15:40	01/14/2016 16:37
SS55	X601125-33	Soil	January 14, 2016 15:45	01/14/2016 16:37
SS56	X601125-34	Soil	January 14, 2016 15:50	01/14/2016 16:37
SS57	X601125-35	Soil	January 14, 2016 15:55	01/14/2016 16:37
SS58	X601125-36	Soil	January 14, 2016 14:00	01/14/2016 16:37
SS59	X601125-37	Soil	January 14, 2016 14:05	01/14/2016 16:37
SS60	X601125-38	Soil	January 14, 2016 14:10	01/14/2016 16:37
SS61	X601125-39	Soil	January 14, 2016 14:15	01/14/2016 16:37
SS62	X601125-40	Soil	January 14, 2016 14:20	01/14/2016 16:37

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

John Cocroft  
Project Number: 014216006  
Project: KMG - GEE 15C-25Hz

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS63	X601125-41	Soil	January 14, 2016 14:25	01/14/2016 16:37
SS64	X601125-42	Soil	January 14, 2016 14:30	01/14/2016 16:37
SW11	X601125-43	Water	January 14, 2016 14:45	01/14/2016 16:37

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Jen Pellegrini For Noelle Doyle Mathis, President

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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

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X601125

**ORIGINS**  
 LABORATORY, INC

Client: LTE  
 Address: 4600 W 60TH Ave  
 Telephone Number: 303-433-9788  
 Email Address: APC Team

Project Manager: John Cocroft  
 Project Name: GEE 15C-25Hz  
 Project Number: 014216006  
 Samples Collected By: KS AD JP  
 AHN: Sam Labue AFE#2687499

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis			Turnaround Time: Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input type="checkbox"/> 5-4	
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Air Summa #	Other	GREX	TPH		HEO
SS18	1/14/16	1300	2	X				X				X	X	X	TPH 15.020 DRD Only Sample Instructions Hold SAR
SS19		1305													
SS20		1310													
SS24		1315													
SS25		1320													
SS26		1325													
SS29		1330													
SS30		1340													
SS31		1345													
SS32		1350													
Relinquished By: <i>[Signature]</i>	Date: 1/14/16	Time: 1459													
Relinquished By: <i>[Signature]</i>	Date: 1/14/16	Time: 1637													

Date Results Needed 1/15/16 0800

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

Origins Laboratory, Inc.

*Jefe Pellegrini*

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 4600 West 60th Avenue  
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John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

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X601125

**ORIGINS**  
 LABORATORY, INC

Client: LTE  
 Address: 4600 W 60TH Ave  
 Telephone Number: 303-433-9788  
 Email Address: ARC Team

Project Manager: J Cocroft  
 Project Name: GEE 15C-25Hz  
 Project Number: 014216006  
 Samples Collected By: KS AD/JP

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis		Sample Instructions	
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Air Summa	Canister #	Other		Analysis
SS35	1/14/16	1355	2	X					X				X X X X	Hold SAR
SS34		1400												
SS35		1405												
SS36		1410												
SS37		1415												
SS38		1420												
SS39		1425												
SS40		1430												
SS41		1435												
SS42		1440												
Relinquished By: <u>[Signature]</u>	Date: <u>1/14/16</u>	Time: <u>1437</u>												
Relinquished By: <u>[Signature]</u>	Date: <u>1/14/16</u>	Time: <u>1637</u>												

Date Results Needed

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 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

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X601125

**ORIGINS**  
 LABORATORY, INC

Client: LTE  
 Address: 4600 W 60TH Ave  
 Telephone Number: 303-433-9788  
 Email Address: ARC Team

Project Manager: J. Cocroft  
 Project Name: GEE 15C-25Hz  
 Project Number: 014216006  
 Samples Collected By: ESADJP

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis		Sample Instructions	Turnaround Time: Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input type="checkbox"/> 5-7	
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Air Summa #	Other	Date			Time
SS43	1/14/16	1445	2	X				X						Hold SAR	
SS44		1450													
SS45		1455													
SS46		1500													
SS47		1505													
SS48		1510													
SS49		1515													
SS50		1520													
SS51		1525													
SS52		1530													
Relinquished By: <u>[Signature]</u>	Date: <u>1/14/16</u>	Time: <u>1437</u>													
Relinquished By: <u>[Signature]</u>	Date: <u>1/14/16</u>	Time: <u>1637</u>													

Date Results Needed

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LT Environmental, Inc.  
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 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

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**ORIGINS**  
 LABORATORY, INC

X601175

Client: LTE Project Manager: John Cocroft

Address: 4600 W 60TH Ave Project Name: GEE 15C-25 Hz

Telephone Number: 303-433-9788 Project Number: 014216006

Email Address: APL Team Samples Collected By: KS HJP

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

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis		Sample Instructions					
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Air Summa #	Other	Other		Other				
SS53	1/14/16	1535	2	X					X					X	X	X	X	Hold SAR
SS54		1540	1															
SS55		1545	1															
SS56		1550	1															
SS57		1555	1															
SS58		1400	1															
SS59		1405	1															
SS60		1410	1															
SS61		1415	1															
SS62		1420	1															
Relinquished By: <u>[Signature]</u>	Date: <u>1/14/16</u>	Time: <u>1437</u>	Date: <u>1/14/16</u>	Time: <u>1537</u>	Received By: <u>[Signature]</u>	Date: <u>1/14/16</u>	Time: <u>1537</u>	Turnaround Time: Same Day/ <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input type="checkbox"/> 5h										

Date Results Needed

Origins Laboratory, Inc.

*Jefe Pellegrini*

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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

Origins Laboratory

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

**Sample Receipt Checklist**

Origins Work Order: X601125 Client: LTE  
 Client Project ID: GEE 15C-25Hz  
 Checklist Completed by: Jeff Smith Shipped Via: HTD  
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
 Date/time completed: 1/14/12 Airbill #: NR  
 Matrix(s) Received: (Check all that apply):  Soil/Solid  Water  Other: \_\_\_\_\_  
 Cooler Number/Temperature: 1 / 5.4 °C \_\_\_\_\_ / \_\_\_\_\_ °C \_\_\_\_\_ / \_\_\_\_\_ °C \_\_\_\_\_ / \_\_\_\_\_ °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 <sup>(1)</sup> ?	X			
Is there ice present (document if blue ice is used)	X			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		X		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		X		
Were all samples received intact <sup>(1)</sup> ?	X			
Was adequate sample volume provided <sup>(1)</sup> ?	X			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?	X			PH
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	X			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	X			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	X			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	X			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			X	
Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (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 <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / ( pH > 10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)			X	
Additional Comments (if any):				

<sup>(1)</sup>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.

Jeff Smith Reviewed by (Project Manager) 1/14/12 Date/Time Reviewed

Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS18**  
**1/14/2016 1:00:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-01 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/14/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 69.0 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6A1407	01/14/2016	01/14/2016	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 113 % 70-130 " " "  
*Surrogate: Toluene-d8* 97.0 % 70-130 " " "  
*Surrogate: 4-Bromofluorobenzene* 96.2 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	7.88		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.164		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS19**  
**1/14/2016 1:05:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-02 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/14/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 72.8 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6A1407	01/14/2016	01/14/2016	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 120 % 70-130 " " "  
*Surrogate: Toluene-d8* 97.9 % 70-130 " " "  
*Surrogate: 4-Bromofluorobenzene* 97.3 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	7.94		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.427		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS20**

**1/14/2016 1:10:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-03 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/14/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 68.8 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6A1407	01/14/2016	01/14/2016	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 111 % 70-130 " " "

*Surrogate: Toluene-d8* 98.7 % 70-130 " " "

*Surrogate: 4-Bromofluorobenzene* 94.3 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.44		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.114		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS24**

**1/14/2016 1:15:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-04 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/15/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

Surrogate: *o*-Terphenyl 81.4 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6A1407	01/14/2016	01/15/2016	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	<b>0.011</b>	0.002	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4 118 % 70-130 " " "  
 Surrogate: Toluene-d8 95.4 % 70-130 " " "  
 Surrogate: 4-Bromofluorobenzene 96.4 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	7.71		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	<b>0.740</b>		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS25**  
**1/14/2016 1:20:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-05 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/14/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 78.6 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6A1407	01/14/2016	01/15/2016	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 117 % 70-130 " " "  
*Surrogate: Toluene-d8* 97.7 % 70-130 " " "  
*Surrogate: 4-Bromofluorobenzene* 100 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.71		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.109		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS26**

**1/14/2016 1:25:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-06 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/14/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 72.9 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6A1407	01/14/2016	01/15/2016	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 118 % 70-130 " " "

*Surrogate: Toluene-d8* 94.4 % 70-130 " " "

*Surrogate: 4-Bromofluorobenzene* 96.8 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.11		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.309		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS29**

**1/14/2016 1:30:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-07 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/14/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 64.2 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6A1407	01/14/2016	01/15/2016	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	<b>0.020</b>	0.002	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 120 % 70-130 " " "  
*Surrogate: Toluene-d8* 95.8 % 70-130 " " "  
*Surrogate: 4-Bromofluorobenzene* 97.3 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	<b>7.54</b>		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	<b>0.174</b>		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS30**

**1/14/2016 1:40:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-08 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/15/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 72.9 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6A1407	01/14/2016	01/15/2016	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 118 % 70-130 " " "

*Surrogate: Toluene-d8* 95.1 % 70-130 " " "

*Surrogate: 4-Bromofluorobenzene* 95.6 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	7.97		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.156		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS31**

**1/14/2016 1:45:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-09 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/15/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 78.8 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	<b>5.37</b>	5.00	mg/kg	25	B6A1407	01/14/2016	01/15/2016	
Benzene	ND	0.050	"	"	"	"	"	
Toluene	ND	0.050	"	"	"	"	"	
Ethylbenzene	ND	0.050	"	"	"	"	"	
Xylenes, total	ND	0.050	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 101 % 70-130 " " "  
*Surrogate: Toluene-d8* 98.0 % 70-130 " " "  
*Surrogate: 4-Bromofluorobenzene* 97.3 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	<b>8.20</b>		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	<b>0.512</b>		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS32**

**1/14/2016 1:50:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-10 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	140	25	mg/kg	1	B6A1402	01/14/2016	01/15/2016	
Residual Range Organics (C28-C36)	130	100	"	"	"	"	"	

Surrogate: *o*-Terphenyl 90.6 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6A1407	01/14/2016	01/15/2016	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4 118 % 70-130 " " "  
 Surrogate: Toluene-d8 96.3 % 70-130 " " "  
 Surrogate: 4-Bromofluorobenzene 94.4 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.60		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0603		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS33**

**1/14/2016 1:55:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-11 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/15/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 71.4 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6A1407	01/14/2016	01/15/2016	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 117 % 70-130 " " "

*Surrogate: Toluene-d8* 95.1 % 70-130 " " "

*Surrogate: 4-Bromofluorobenzene* 95.6 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	7.56		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0489		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS34**

**1/14/2016 2:00:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-12 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/15/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 80.2 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6A1407	01/14/2016	01/15/2016	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 116 % 70-130 " " "

*Surrogate: Toluene-d8* 96.5 % 70-130 " " "

*Surrogate: 4-Bromofluorobenzene* 97.9 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	7.84		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0910		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS35**

**1/14/2016 2:05:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-13 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/15/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 67.2 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6A1407	01/14/2016	01/15/2016	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 125 % 70-130 " " "

*Surrogate: Toluene-d8* 94.2 % 70-130 " " "

*Surrogate: 4-Bromofluorobenzene* 98.6 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	7.95		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.195		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS36**  
**1/14/2016 2:10:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-14 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/15/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 84.5 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	5.00	mg/kg	25	B6A1407	01/14/2016	01/15/2016	
Benzene	ND	0.050	"	"	"	"	"	
Toluene	ND	0.050	"	"	"	"	"	
Ethylbenzene	ND	0.050	"	"	"	"	"	
Xylenes, total	ND	0.050	"	"	"	"	"	

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

**pH in Soil by EPA 9045D**

pH	8.49		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0854		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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 4600 West 60th Avenue  
 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS37**

**1/14/2016 2:15:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-15 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/15/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 78.8 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	5.00	mg/kg	25	B6A1407	01/14/2016	01/15/2016	
Benzene	ND	0.050	"	"	"	"	"	
Toluene	ND	0.050	"	"	"	"	"	
Ethylbenzene	ND	0.050	"	"	"	"	"	
Xylenes, total	ND	0.050	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 101 % 70-130 " " "

*Surrogate: Toluene-d8* 98.8 % 70-130 " " "

*Surrogate: 4-Bromofluorobenzene* 98.2 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.67		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.120		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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 4600 West 60th Avenue  
 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS38**

**1/14/2016 2:20:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-16 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/15/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 77.0 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	<b>7.47</b>	5.00	mg/kg	25	B6A1407	01/14/2016	01/15/2016	
Benzene	ND	0.050	"	"	"	"	"	
Toluene	ND	0.050	"	"	"	"	"	
Ethylbenzene	ND	0.050	"	"	"	"	"	
Xylenes, total	ND	0.050	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 105 % 70-130 " " "  
*Surrogate: Toluene-d8* 98.6 % 70-130 " " "  
*Surrogate: 4-Bromofluorobenzene* 97.2 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	<b>8.71</b>		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	<b>0.0607</b>		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS39**

**1/14/2016 2:25:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-17 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/15/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 71.8 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	5.00	mg/kg	25	B6A1407	01/14/2016	01/15/2016	
Benzene	ND	0.050	"	"	"	"	"	
Toluene	ND	0.050	"	"	"	"	"	
Ethylbenzene	ND	0.050	"	"	"	"	"	
Xylenes, total	ND	0.050	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 105 % 70-130 " " "

*Surrogate: Toluene-d8* 103 % 70-130 " " "

*Surrogate: 4-Bromofluorobenzene* 98.0 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.30		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.317		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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 4600 West 60th Avenue  
 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS40**

**1/14/2016 2:30:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-18 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/15/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 70.6 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	5.00	mg/kg	25	B6A1407	01/14/2016	01/15/2016	
Benzene	ND	0.050	"	"	"	"	"	
Toluene	ND	0.050	"	"	"	"	"	
Ethylbenzene	ND	0.050	"	"	"	"	"	
Xylenes, total	ND	0.050	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 104 % 70-130 " " "  
*Surrogate: Toluene-d8* 99.2 % 70-130 " " "  
*Surrogate: 4-Bromofluorobenzene* 97.0 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.86		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0899		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS41**  
**1/14/2016 2:35:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-19 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/15/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 85.7 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6A1407	01/14/2016	01/14/2016	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 105 % 70-130 " " "

*Surrogate: Toluene-d8* 97.5 % 70-130 " " "

*Surrogate: 4-Bromofluorobenzene* 92.8 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.84		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.115		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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 4600 West 60th Avenue  
 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS42**  
**1/14/2016 2:40:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-20 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/15/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 80.0 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6A1407	01/14/2016	01/14/2016	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 105 % 70-130 " " "

*Surrogate: Toluene-d8* 96.5 % 70-130 " " "

*Surrogate: 4-Bromofluorobenzene* 90.7 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.19		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0841		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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 4600 West 60th Avenue  
 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS43**

**1/14/2016 2:45:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-21 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/15/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 77.1 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6A1407	01/14/2016	01/14/2016	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 104 % 70-130 " " "

*Surrogate: Toluene-d8* 96.0 % 70-130 " " "

*Surrogate: 4-Bromofluorobenzene* 91.1 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.52		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.822		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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 4600 West 60th Avenue  
 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS44**

**1/14/2016 2:50:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-22 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/15/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 91.0 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6A1407	01/14/2016	01/14/2016	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 106 % 70-130 " " "

*Surrogate: Toluene-d8* 96.8 % 70-130 " " "

*Surrogate: 4-Bromofluorobenzene* 91.4 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	7.83		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0253		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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 4600 West 60th Avenue  
 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS45**

**1/14/2016 2:55:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-23 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/15/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 76.0 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6A1407	01/14/2016	01/14/2016	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 105 % 70-130 " " "

*Surrogate: Toluene-d8* 97.1 % 70-130 " " "

*Surrogate: 4-Bromofluorobenzene* 92.7 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.41		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.291		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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 4600 West 60th Avenue  
 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS46**  
**1/14/2016 3:00:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-24 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/15/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 67.9 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6A1407	01/14/2016	01/14/2016	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 104 % 70-130 " " "  
*Surrogate: Toluene-d8* 96.1 % 70-130 " " "  
*Surrogate: 4-Bromofluorobenzene* 92.2 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.52		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.233		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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 4600 West 60th Avenue  
 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS47**

**1/14/2016 3:05:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-25 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/15/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 75.1 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6A1407	01/14/2016	01/15/2016	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 108 % 70-130 " " "

*Surrogate: Toluene-d8* 94.7 % 70-130 " " "

*Surrogate: 4-Bromofluorobenzene* 92.6 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.25		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.258		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS48**  
**1/14/2016 3:10:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-26 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/15/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 80.0 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6A1407	01/14/2016	01/15/2016	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 109 % 70-130 " " "

*Surrogate: Toluene-d8* 96.0 % 70-130 " " "

*Surrogate: 4-Bromofluorobenzene* 92.6 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.62		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0594		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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 4600 West 60th Avenue  
 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS49**  
**1/14/2016 3:15:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-27 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/15/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 70.4 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6A1407	01/14/2016	01/15/2016	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 106 % 70-130 " " "  
*Surrogate: Toluene-d8* 95.1 % 70-130 " " "  
*Surrogate: 4-Bromofluorobenzene* 91.7 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.57		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0305		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS50**

**1/14/2016 3:20:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-28 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/15/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 74.5 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6A1407	01/14/2016	01/15/2016	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 109 % 70-130 " " "

*Surrogate: Toluene-d8* 95.0 % 70-130 " " "

*Surrogate: 4-Bromofluorobenzene* 91.6 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.71		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0417		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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 4600 West 60th Avenue  
 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS51**  
**1/14/2016 3:25:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-29 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/15/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 81.2 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6A1407	01/14/2016	01/15/2016	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 109 % 70-130 " " "

*Surrogate: Toluene-d8* 96.6 % 70-130 " " "

*Surrogate: 4-Bromofluorobenzene* 92.8 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.63		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0655		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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 4600 West 60th Avenue  
 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS52**  
**1/14/2016 3:30:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-30 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/15/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 81.3 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6A1407	01/14/2016	01/15/2016	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 110 % 70-130 " " "  
*Surrogate: Toluene-d8* 96.0 % 70-130 " " "  
*Surrogate: 4-Bromofluorobenzene* 92.2 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.60		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.133		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS53**

**1/14/2016 3:35:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-31 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/15/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 65.9 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6A1407	01/14/2016	01/15/2016	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 110 % 70-130 " " "

*Surrogate: Toluene-d8* 94.5 % 70-130 " " "

*Surrogate: 4-Bromofluorobenzene* 89.0 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.38		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0475		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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Origins Laboratory, Inc.



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 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS54**

**1/14/2016 3:40:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-32 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/15/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 78.6 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6A1407	01/14/2016	01/15/2016	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 114 % 70-130 " " "

*Surrogate: Toluene-d8* 96.1 % 70-130 " " "

*Surrogate: 4-Bromofluorobenzene* 92.6 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.00		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0364		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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 4600 West 60th Avenue  
 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS55**  
**1/14/2016 3:45:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-33 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/15/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 77.9 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6A1407	01/14/2016	01/14/2016	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 100 % 70-130 " " "  
*Surrogate: Toluene-d8* 97.3 % 70-130 " " "  
*Surrogate: 4-Bromofluorobenzene* 91.9 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.16		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0114		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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 4600 West 60th Avenue  
 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS56**  
**1/14/2016 3:50:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-34 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/15/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 74.3 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6A1407	01/14/2016	01/14/2016	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 102 % 70-130 " " "  
*Surrogate: Toluene-d8* 97.2 % 70-130 " " "  
*Surrogate: 4-Bromofluorobenzene* 91.9 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.28		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0236		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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 4600 West 60th Avenue  
 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS57**

**1/14/2016 3:55:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-35 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/15/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 69.4 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6A1407	01/14/2016	01/14/2016	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 103 % 70-130 " " "

*Surrogate: Toluene-d8* 96.4 % 70-130 " " "

*Surrogate: 4-Bromofluorobenzene* 91.8 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.67		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0922		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS58**

**1/14/2016 2:00:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-36 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/15/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 76.4 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6A1407	01/14/2016	01/14/2016	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 112 % 70-130 " " "

*Surrogate: Toluene-d8* 95.7 % 70-130 " " "

*Surrogate: 4-Bromofluorobenzene* 91.6 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.97		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0458		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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 4600 West 60th Avenue  
 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS59**

**1/14/2016 2:05:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-37 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/15/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 73.1 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6A1407	01/14/2016	01/14/2016	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 102 % 70-130 " " "

*Surrogate: Toluene-d8* 97.6 % 70-130 " " "

*Surrogate: 4-Bromofluorobenzene* 93.3 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.29		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0724		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS60**  
**1/14/2016 2:10:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-38 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/15/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 84.2 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6A1407	01/14/2016	01/14/2016	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 105 % 70-130 " " "

*Surrogate: Toluene-d8* 95.5 % 70-130 " " "

*Surrogate: 4-Bromofluorobenzene* 90.7 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.39		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0697		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS61**

**1/14/2016 2:15:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-39 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/15/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 86.7 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6A1407	01/14/2016	01/14/2016	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 105 % 70-130 " " "

*Surrogate: Toluene-d8* 97.5 % 70-130 " " "

*Surrogate: 4-Bromofluorobenzene* 91.9 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.70		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0577		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS62**  
**1/14/2016 2:20:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-40 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/15/2016
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"
<i>Surrogate: o-Terphenyl</i>	79.1 %	59-131			"	"	"

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6A1407	01/14/2016	01/14/2016
Benzene	ND	0.002	"	"	"	"	"
Toluene	ND	0.002	"	"	"	"	"
Ethylbenzene	ND	0.002	"	"	"	"	"
Xylenes, total	ND	0.002	"	"	"	"	"
<i>Surrogate: 1,2-Dichloroethane-d4</i>	104 %	70-130			"	"	"
<i>Surrogate: Toluene-d8</i>	97.1 %	70-130			"	"	"
<i>Surrogate: 4-Bromofluorobenzene</i>	91.2 %	70-130			"	"	"

**pH in Soil by EPA 9045D**

pH	8.45		pH Units	1	B6A1405	01/14/2016	01/14/2016
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0561		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016
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LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS63**

**1/14/2016 2:25:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-41 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/15/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 76.7 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6A1407	01/14/2016	01/14/2016	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 102 % 70-130 " " "

*Surrogate: Toluene-d8* 96.0 % 70-130 " " "

*Surrogate: 4-Bromofluorobenzene* 91.1 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.45		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0682		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS64**

**1/14/2016 2:30:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-42 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1402	01/14/2016	01/15/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 81.8 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6A1407	01/14/2016	01/14/2016	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 104 % 70-130 " " "

*Surrogate: Toluene-d8* 97.0 % 70-130 " " "

*Surrogate: 4-Bromofluorobenzene* 93.0 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.37		pH Units	1	B6A1405	01/14/2016	01/14/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.110		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016	
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LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SW11**  
**1/14/2016 2:45:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601125-43 (Water)**

**BTEX by EPA 8260C**

Benzene	ND	1.0	ug/L	1	B6A1304	01/14/2016	01/15/2016	U
Toluene	ND	1.0	"	"	"	"	"	U
Ethylbenzene	ND	1.0	"	"	"	"	"	U
Xylenes, total	ND	1.0	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	102 %	84-121			"	"	"	
Surrogate: Toluene-d8	101 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	96.2 %	84-114			"	"	"	

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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**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
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**Batch B6A1304 - EPA 5030B (Water)**

**Blank (B6A1304-BLK1)**

Prepared: 01/13/2016 Analyzed: 01/14/2016

Benzene	ND	1.0	ug/L							U
Toluene	ND	1.0	"							U
Ethylbenzene	ND	1.0	"							U
Xylenes, total	ND	1.0	"							U
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5		104	84-121			
Surrogate: Toluene-d8	63		"	62.5		100	85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	84-114			

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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**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
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**Batch B6A1304 - EPA 5030B (Water)**

**Blank (B6A1304-BLK2)**

Prepared: 01/13/2016 Analyzed: 01/14/2016

Benzene	ND	1.0	ug/L							U
Toluene	ND	1.0	"							U
Ethylbenzene	ND	1.0	"							U
Xylenes, total	ND	1.0	"							U
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5		102	84-121			
Surrogate: Toluene-d8	63		"	62.5		101	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		98.6	84-114			

Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**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
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**Batch B6A1304 - EPA 5030B (Water)**

**LCS (B6A1304-BS1)**

Prepared: 01/13/2016 Analyzed: 01/14/2016

Benzene	51.7	1.0	ug/L	50.0		103	73.3-129			
Toluene	50.7	1.0	"	50.0		101	76.2-123			
Ethylbenzene	52.9	1.0	"	50.0		106	73.6-130			
m,p-Xylene	104	2.0	"	100		104	76.1-126			
o-Xylene	51.2	1.0	"	50.0		102	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	62		"	62.5		99.9	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.6	85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		98.1	84-114			

Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**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
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**Batch B6A1304 - EPA 5030B (Water)**

**LCS (B6A1304-BS2)**

Prepared: 01/13/2016 Analyzed: 01/14/2016

Benzene	42.4	1.0	ug/L	50.0		84.9	73.3-129			
Toluene	43.8	1.0	"	50.0		87.7	76.2-123			
Ethylbenzene	45.9	1.0	"	50.0		91.7	73.6-130			
m,p-Xylene	91.3	2.0	"	100		91.3	76.1-126			
o-Xylene	45.8	1.0	"	50.0		91.7	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	59		"	62.5		95.0	84-121			
Surrogate: Toluene-d8	63		"	62.5		101	85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.1	84-114			

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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**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
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**Batch B6A1304 - EPA 5030B (Water)**

<b>Matrix Spike (B6A1304-MS1)</b>	<b>Source: X601113-08</b>			<b>Prepared: 01/13/2016 Analyzed: 01/14/2016</b>						
Benzene	55.0	1.0	ug/L	50.0	0.9	108	74-130			
Toluene	53.4	1.0	"	50.0	ND	107	73-131			
Ethylbenzene	53.3	1.0	"	50.0	ND	107	76-132			
m,p-Xylene	105	2.0	"	100	ND	105	69-139			
o-Xylene	50.9	1.0	"	50.0	ND	102	74-131			
Surrogate: 1,2-Dichloroethane-d4	62		"	62.5		100	84-121			
Surrogate: Toluene-d8	64		"	62.5		102	85-115			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	84-114			

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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**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
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Batch B6A1304 - EPA 5030B (Water)

Matrix Spike (B6A1304-MS2)	Source: X601113-20			Prepared: 01/13/2016 Analyzed: 01/14/2016						
Benzene	54.3	1.0	ug/L	50.0	ND	109	74-130			
Toluene	53.4	1.0	"	50.0	ND	107	73-131			
Ethylbenzene	55.4	1.0	"	50.0	ND	111	76-132			
m,p-Xylene	108	2.0	"	100	ND	108	69-139			
o-Xylene	53.0	1.0	"	50.0	ND	106	74-131			
Surrogate: 1,2-Dichloroethane-d4	66		"	62.5		106	84-121			
Surrogate: Toluene-d8	61		"	62.5		98.2	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.4	84-114			

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LT Environmental, Inc.  
 4600 West 60th Avenue  
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John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**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
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**Batch B6A1304 - EPA 5030B (Water)**

Matrix Spike Dup (B6A1304-MSD1)	Source: X601113-08			Prepared: 01/13/2016 Analyzed: 01/14/2016						
Benzene	56.2	1.0	ug/L	50.0	0.9	111	74-130	2.18	20	
Toluene	54.0	1.0	"	50.0	ND	108	73-131	1.15	20	
Ethylbenzene	54.1	1.0	"	50.0	ND	108	76-132	1.53	20	
m,p-Xylene	107	2.0	"	100	ND	107	69-139	2.01	20	
o-Xylene	52.2	1.0	"	50.0	ND	104	74-131	2.60	20	
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		97.2	84-121			
Surrogate: Toluene-d8	62		"	62.5		98.7	85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.8	84-114			

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 4600 West 60th Avenue  
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John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**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
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**Batch B6A1304 - EPA 5030B (Water)**

Matrix Spike Dup (B6A1304-MSD2)	Source: X601113-20			Prepared: 01/13/2016 Analyzed: 01/14/2016						
Benzene	48.2	1.0	ug/L	50.0	ND	96.4	74-130	12.0	20	
Toluene	47.4	1.0	"	50.0	ND	94.8	73-131	11.8	20	
Ethylbenzene	49.0	1.0	"	50.0	ND	97.9	76-132	12.4	20	
m,p-Xylene	95.2	2.0	"	100	ND	95.2	69-139	12.3	20	
o-Xylene	46.6	1.0	"	50.0	ND	93.2	74-131	13.0	20	
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5		105	84-121			
Surrogate: Toluene-d8	62		"	62.5		98.9	85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.3	84-114			

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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**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
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**Batch B6A1407 - EPA 5030 (soil)**

**Blank (B6A1407-BLK1)**

Prepared: 01/14/2016 Analyzed: 01/14/2016

Gasoline Range Hydrocarbons	ND	0.200	mg/kg							
Benzene	ND	0.002	"							
Toluene	ND	0.002	"							
Ethylbenzene	ND	0.002	"							
Xylenes, total	ND	0.002	"							
Surrogate: 1,2-Dichloroethane-d4	72.9		ug/kg	62.5		117	70-130			
Surrogate: Toluene-d8	58.8		"	62.5		94.1	70-130			
Surrogate: 4-Bromofluorobenzene	60.7		"	62.5		97.1	70-130			

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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**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
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**Batch B6A1407 - EPA 5030 (soil)**

**Blank (B6A1407-BLK2)**

Prepared: 01/14/2016 Analyzed: 01/14/2016

Gasoline Range Hydrocarbons	ND	0.200	mg/kg							
Benzene	ND	0.002	"							
Toluene	ND	0.002	"							
Ethylbenzene	ND	0.002	"							
Xylenes, total	ND	0.002	"							
Surrogate: 1,2-Dichloroethane-d4	64.0		ug/kg	62.5		102	70-130			
Surrogate: Toluene-d8	62.0		"	62.5		99.3	70-130			
Surrogate: 4-Bromofluorobenzene	57.2		"	62.5		91.5	70-130			

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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**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
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**Batch B6A1407 - EPA 5030 (soil)**

**Blank (B6A1407-BLK3)**

Prepared: 01/14/2016 Analyzed: 01/14/2016

Gasoline Range Hydrocarbons	ND	0.200	mg/kg							
Benzene	ND	0.002	"							
Toluene	ND	0.002	"							
Ethylbenzene	ND	0.002	"							
Xylenes, total	ND	0.002	"							
Surrogate: 1,2-Dichloroethane-d4	61.3		ug/kg	62.5		98.0	70-130			
Surrogate: Toluene-d8	60.7		"	62.5		97.1	70-130			
Surrogate: 4-Bromofluorobenzene	55.2		"	62.5		88.3	70-130			

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**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
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**Batch B6A1407 - EPA 5030 (soil)**

**LCS (B6A1407-BS1)**

Prepared: 01/14/2016 Analyzed: 01/14/2016

Benzene	0.091	0.002	mg/kg	0.100		91.2	77.1-124			
Toluene	0.093	0.002	"	0.100		92.9	74.5-128			
Ethylbenzene	0.100	0.002	"	0.100		100	66.4-127			
m,p-Xylene	0.195	0.004	"	0.200		97.7	76.6-124			
o-Xylene	0.096	0.002	"	0.100		96.1	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	71.1		ug/kg	62.5		114	70-130			
Surrogate: Toluene-d8	60.1		"	62.5		96.2	70-130			
Surrogate: 4-Bromofluorobenzene	61.9		"	62.5		99.1	70-130			

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 Project: KMG - GEE 15C-25Hz

**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
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**Batch B6A1407 - EPA 5030 (soil)**

**LCS (B6A1407-BS2)**

Prepared: 01/14/2016 Analyzed: 01/14/2016

Benzene	0.097	0.002	mg/kg	0.100		96.9	77.1-124			
Toluene	0.098	0.002	"	0.100		97.8	74.5-128			
Ethylbenzene	0.088	0.002	"	0.100		87.8	66.4-127			
m,p-Xylene	0.177	0.004	"	0.200		88.5	76.6-124			
o-Xylene	0.087	0.002	"	0.100		87.5	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	66.8		ug/kg	62.5		107	70-130			
Surrogate: Toluene-d8	62.4		"	62.5		99.9	70-130			
Surrogate: 4-Bromofluorobenzene	55.0		"	62.5		88.0	70-130			

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 Project: KMG - GEE 15C-25Hz

**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
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**Batch B6A1407 - EPA 5030 (soil)**

**LCS (B6A1407-BS3)**

Prepared: 01/14/2016 Analyzed: 01/14/2016

Benzene	0.103	0.002	mg/kg	0.100		103	77.1-124			
Toluene	0.105	0.002	"	0.100		105	74.5-128			
Ethylbenzene	0.093	0.002	"	0.100		93.0	66.4-127			
m,p-Xylene	0.186	0.004	"	0.200		93.2	76.6-124			
o-Xylene	0.092	0.002	"	0.100		92.4	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	63.9		ug/kg	62.5		102	70-130			
Surrogate: Toluene-d8	63.9		"	62.5		102	70-130			
Surrogate: 4-Bromofluorobenzene	53.8		"	62.5		86.1	70-130			

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 Project: KMG - GEE 15C-25Hz

**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
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Batch B6A1407 - EPA 5030 (soil)

Matrix Spike (B6A1407-MS1)	Source: X601125-01			Prepared: 01/14/2016 Analyzed: 01/14/2016						
Benzene	0.090	0.002	mg/kg	0.100	ND	89.9	71.8-126			
Toluene	0.095	0.002	"	0.100	ND	95.1	65.1-130			
Ethylbenzene	0.102	0.002	"	0.100	ND	102	62.2-130			
m,p-Xylene	0.205	0.004	"	0.200	0.0009	102	46.5-137			
o-Xylene	0.101	0.002	"	0.100	0.0005	101	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	68.9		ug/kg	62.5		110	70-130			
Surrogate: Toluene-d8	61.7		"	62.5		98.8	70-130			
Surrogate: 4-Bromofluorobenzene	60.7		"	62.5		97.1	70-130			

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 Project: KMG - GEE 15C-25Hz

**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
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Batch B6A1407 - EPA 5030 (soil)

Matrix Spike (B6A1407-MS2)	Source: X601125-02			Prepared: 01/14/2016 Analyzed: 01/14/2016						
Benzene	0.087	0.002	mg/kg	0.100	ND	86.8	71.8-126			
Toluene	0.089	0.002	"	0.100	ND	88.9	65.1-130			
Ethylbenzene	0.098	0.002	"	0.100	ND	98.4	62.2-130			
m,p-Xylene	0.191	0.004	"	0.200	ND	95.3	46.5-137			
o-Xylene	0.095	0.002	"	0.100	ND	95.1	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	69.1		ug/kg	62.5		111	70-130			
Surrogate: Toluene-d8	60.0		"	62.5		96.0	70-130			
Surrogate: 4-Bromofluorobenzene	60.3		"	62.5		96.4	70-130			

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 Project: KMG - GEE 15C-25Hz

**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
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Batch B6A1407 - EPA 5030 (soil)

Matrix Spike (B6A1407-MS3)	Source: X601125-03			Prepared: 01/14/2016 Analyzed: 01/14/2016						
Benzene	0.088	0.002	mg/kg	0.100	ND	87.6	71.8-126			
Toluene	0.091	0.002	"	0.100	ND	91.2	65.1-130			
Ethylbenzene	0.104	0.002	"	0.100	ND	104	62.2-130			
m,p-Xylene	0.206	0.004	"	0.200	ND	103	46.5-137			
o-Xylene	0.101	0.002	"	0.100	ND	101	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	66.0		ug/kg	62.5		106	70-130			
Surrogate: Toluene-d8	58.0		"	62.5		92.8	70-130			
Surrogate: 4-Bromofluorobenzene	59.9		"	62.5		95.9	70-130			

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**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
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Batch B6A1407 - EPA 5030 (soil)

Matrix Spike Dup (B6A1407-MSD1)	Source: X601125-01			Prepared: 01/14/2016 Analyzed: 01/14/2016						
Benzene	0.090	0.002	mg/kg	0.100	ND	90.0	71.8-126	0.178	11.3	
Toluene	0.093	0.002	"	0.100	ND	92.7	65.1-130	2.53	15.4	
Ethylbenzene	0.110	0.002	"	0.100	ND	110	62.2-130	7.40	19.6	
m,p-Xylene	0.216	0.004	"	0.200	0.0009	107	46.5-137	5.16	19.2	
o-Xylene	0.108	0.002	"	0.100	0.0005	107	54.2-134	6.25	17.9	
Surrogate: 1,2-Dichloroethane-d4	66.9		ug/kg	62.5		107	70-130			
Surrogate: Toluene-d8	59.2		"	62.5		94.7	70-130			
Surrogate: 4-Bromofluorobenzene	63.1		"	62.5		101	70-130			

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**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
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Batch B6A1407 - EPA 5030 (soil)

Matrix Spike Dup (B6A1407-MSD2)	Source: X601125-02			Prepared: 01/14/2016 Analyzed: 01/14/2016						
Benzene	0.090	0.002	mg/kg	0.100	ND	89.7	71.8-126	3.33	11.3	
Toluene	0.092	0.002	"	0.100	ND	91.8	65.1-130	3.19	15.4	
Ethylbenzene	0.103	0.002	"	0.100	ND	103	62.2-130	4.49	19.6	
m,p-Xylene	0.197	0.004	"	0.200	ND	98.5	46.5-137	3.29	19.2	
o-Xylene	0.099	0.002	"	0.100	ND	99.1	54.2-134	4.12	17.9	
Surrogate: 1,2-Dichloroethane-d4	70.1		ug/kg	62.5		112	70-130			
Surrogate: Toluene-d8	59.0		"	62.5		94.4	70-130			
Surrogate: 4-Bromofluorobenzene	61.0		"	62.5		97.6	70-130			

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 Project: KMG - GEE 15C-25Hz

**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
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Batch B6A1407 - EPA 5030 (soil)

Matrix Spike Dup (B6A1407-MSD3)	Source: X601125-03			Prepared: 01/14/2016 Analyzed: 01/14/2016						
Benzene	0.089	0.002	mg/kg	0.100	ND	88.9	71.8-126	1.52	11.3	
Toluene	0.095	0.002	"	0.100	ND	94.8	65.1-130	3.81	15.4	
Ethylbenzene	0.105	0.002	"	0.100	ND	105	62.2-130	0.517	19.6	
m,p-Xylene	0.205	0.004	"	0.200	ND	102	46.5-137	0.866	19.2	
o-Xylene	0.102	0.002	"	0.100	ND	102	54.2-134	1.30	17.9	
Surrogate: 1,2-Dichloroethane-d4	67.8		ug/kg	62.5		108	70-130			
Surrogate: Toluene-d8	59.9		"	62.5		95.9	70-130			
Surrogate: 4-Bromofluorobenzene	61.2		"	62.5		97.9	70-130			

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**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
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**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
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**Batch B6A1402 - EPA 3580**

**Blank (B6A1402-BLK1)**

Prepared: 01/14/2016 Analyzed: 01/14/2016

Diesel (C10-C28)	ND	50	mg/kg							
Residual Range Organics (C28-C36)	ND	200	"							
Surrogate: o-Terphenyl	35		"	50.0		70.0	59-131			

**Blank (B6A1402-BLK2)**

Prepared: 01/14/2016 Analyzed: 01/14/2016

Diesel (C10-C28)	ND	50	mg/kg							
Residual Range Organics (C28-C36)	ND	200	"							
Surrogate: o-Terphenyl	44		"	50.0		87.7	59-131			

**Blank (B6A1402-BLK3)**

Prepared: 01/14/2016 Analyzed: 01/14/2016

Diesel (C10-C28)	ND	50	mg/kg							
Residual Range Organics (C28-C36)	ND	200	"							
Surrogate: o-Terphenyl	42		"	50.0		84.8	59-131			

**LCS (B6A1402-BS1)**

Prepared: 01/14/2016 Analyzed: 01/14/2016

Diesel (C10-C28)	880	50	mg/kg	1000		88.5	64-121			
Residual Range Organics (C28-C36)	940	200	"	1000		93.7	58-124			
Surrogate: o-Terphenyl	42		"	50.0		83.6	59-131			

**LCS (B6A1402-BS2)**

Prepared: 01/14/2016 Analyzed: 01/14/2016

Diesel (C10-C28)	830	50	mg/kg	1000		83.1	64-121			
Residual Range Organics (C28-C36)	850	200	"	1000		84.8	58-124			

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 Project: KMG - GEE 15C-25Hz

**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
<b>Batch B6A1402 - EPA 3580</b>										
<b>LCS (B6A1402-BS2)</b>					Prepared: 01/14/2016 Analyzed: 01/14/2016					
Surrogate: o-Terphenyl	42		mg/kg	50.0		84.2	59-131			
<b>LCS (B6A1402-BS3)</b>					Prepared: 01/14/2016 Analyzed: 01/14/2016					
Diesel (C10-C28)	940	50	mg/kg	1000		93.6	64-121			
Residual Range Organics (C28-C36)	1000	200	"	1000		102	58-124			
Surrogate: o-Terphenyl	44		"	50.0		88.2	59-131			
<b>LCS Dup (B6A1402-BSD1)</b>					Prepared: 01/14/2016 Analyzed: 01/14/2016					
Diesel (C10-C28)	820	50	mg/kg	1000		82.1	64-121	7.52	20	
Residual Range Organics (C28-C36)	870	200	"	1000		86.9	58-124	7.47	20	
Surrogate: o-Terphenyl	41		"	50.0		81.7	59-131			
<b>LCS Dup (B6A1402-BSD2)</b>					Prepared: 01/14/2016 Analyzed: 01/14/2016					
Diesel (C10-C28)	730	50	mg/kg	1000		73.1	64-121	12.7	20	
Residual Range Organics (C28-C36)	740	200	"	1000		73.6	58-124	14.2	20	
Surrogate: o-Terphenyl	38		"	50.0		76.4	59-131			
<b>LCS Dup (B6A1402-BSD3)</b>					Prepared: 01/14/2016 Analyzed: 01/14/2016					
Diesel (C10-C28)	880	50	mg/kg	1000		87.5	64-121	6.76	20	
Residual Range Organics (C28-C36)	930	200	"	1000		93.3	58-124	8.52	20	
Surrogate: o-Terphenyl	49		"	50.0		98.4	59-131			

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John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**Classical Chemistry Parameters - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B6A1405 - NO PREP</b>										
<b>Duplicate (B6A1405-DUP1)</b>		<b>Source: X601125-01</b>			Prepared: 01/14/2016 Analyzed: 01/14/2016					
pH	7.85		pH Units		7.88			0.381	25	
<b>Duplicate (B6A1405-DUP2)</b>		<b>Source: X601125-02</b>			Prepared: 01/14/2016 Analyzed: 01/14/2016					
pH	7.98		pH Units		7.94			0.503	25	
<b>Duplicate (B6A1405-DUP3)</b>		<b>Source: X601125-03</b>			Prepared: 01/14/2016 Analyzed: 01/14/2016					
pH	8.39		pH Units		8.44			0.594	25	
<b>Batch B6A1406 - NO PREP</b>										
<b>Blank (B6A1406-BLK1)</b>					Prepared: 01/14/2016 Analyzed: 01/14/2016					
Specific Conductance (EC)	0.00270		mmhos/cm							
<b>Blank (B6A1406-BLK2)</b>					Prepared: 01/14/2016 Analyzed: 01/14/2016					
Specific Conductance (EC)	0.00240		mmhos/cm							
<b>Blank (B6A1406-BLK3)</b>					Prepared: 01/14/2016 Analyzed: 01/14/2016					
Specific Conductance (EC)	0.00270		mmhos/cm							
<b>Duplicate (B6A1406-DUP1)</b>		<b>Source: X601125-01</b>			Prepared: 01/14/2016 Analyzed: 01/14/2016					
Specific Conductance (EC)	0.168		mmhos/cm		0.164			2.77	25	
<b>Duplicate (B6A1406-DUP2)</b>		<b>Source: X601125-02</b>			Prepared: 01/14/2016 Analyzed: 01/14/2016					
Specific Conductance (EC)	0.435		mmhos/cm		0.427			1.86	25	
<b>Duplicate (B6A1406-DUP3)</b>		<b>Source: X601125-03</b>			Prepared: 01/14/2016 Analyzed: 01/14/2016					
Specific Conductance (EC)	0.111		mmhos/cm		0.114			3.01	25	

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Arvada CO 80003

John Cocroft  
Project Number: 014216006  
Project: KMG - GEE 15C-25Hz

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**Notes and Definitions**

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

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Jen Pellegrini For Noelle Doyle Mathis, President

January 18, 2016

LT Environmental, Inc.

John Cocroft

4600 West 60th Avenue

Arvada CO 80003

Project Name - KMG - GEE 15C-25Hz

Project Number - 014216006

Attached are your analytical results for KMG - GEE 15C-25Hz received by Origins Laboratory, Inc. January 15, 2016. This project is associated with Origins project number X601147-01.

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



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

John Cocroft  
Project Number: 014216006  
Project: KMG - GEE 15C-25Hz

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS11	X601147-01	Soil	January 15, 2016 15:20	01/15/2016 17:27
SS12	X601147-02	Soil	January 15, 2016 15:25	01/15/2016 17:27
SS13	X601147-03	Soil	January 15, 2016 15:30	01/15/2016 17:27
SS14	X601147-04	Soil	January 15, 2016 15:35	01/15/2016 17:27
SS15	X601147-05	Soil	January 15, 2016 15:40	01/15/2016 17:27
SS16	X601147-06	Soil	January 15, 2016 15:45	01/15/2016 17:27
SS17	X601147-07	Soil	January 15, 2016 15:50	01/15/2016 17:27
SS21	X601147-08	Soil	January 15, 2016 15:55	01/15/2016 17:27
SS22	X601147-09	Soil	January 15, 2016 16:00	01/15/2016 17:27
SS27	X601147-10	Soil	January 15, 2016 16:05	01/15/2016 17:27

Origins Laboratory, Inc.



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

John Cocroft  
Project Number: 014216006  
Project: KMG - GEE 15C-25Hz

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS28	X601147-11	Soil	January 15, 2016 16:10	01/15/2016 17:27
SS23	X601147-12	Soil	January 15, 2016 16:15	01/15/2016 17:27
SS65	X601147-13	Soil	January 15, 2016 16:20	01/15/2016 17:27
SS66	X601147-14	Soil	January 15, 2016 16:25	01/15/2016 17:27
SW12	X601147-15	Water	January 15, 2016 16:30	01/15/2016 17:27
SW13	X601147-16	Water	January 15, 2016 16:35	01/15/2016 17:27
SW14	X601147-17	Water	January 15, 2016 16:40	01/15/2016 17:27
SW15	X601147-18	Water	January 15, 2016 16:45	01/15/2016 17:27

Sample IDs changed per email from Mike Furtaw on 01/18/16.

Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

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 X601147  
 page 1 of 2

Project Manager: JOHN COCROFT  
 Project Name: GEE 15C-25HZ  
 Project Number: 014216006

Client: LTE  
 Address: 4600 W 60th AVE  
 Telephone Number: 303-433-9788  
 Email Address: ALL TEAM

Samples Collected By: JPIREZ/MS  
 Attn: Sam LaRue

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis			Sample Instructions									
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Air Sample #	Other	Other	Other		Other								
55-11	11/15/16	1520	2					X				X	CEC	X	TPH	X	PH	X	EC	X	SAR	11/15/16	
55-12	11/15/16	1525	1																				
55-13		1530																					
55-14		1535																					
55-15		1540																					
55-16		1545																					
55-17		1550																					
55-21		1555																					
55-22		1600																					
55-27		1605																					
Relinquished By: Jimmy	Date: 11/15/16	Time: 1727																					
Relinquished By: Jeff Smith	Date: 11/15/16	Time: 1707																					

Temp Received: 0.4 Date Results Needed

Origins Laboratory, Inc.

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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

Origins Laboratory

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

**Sample Receipt Checklist**

Origins Work Order: X601147 Client: LTE  
 Client Project ID: GEE 15C-25Hz  
 Checklist Completed by: Jeff Smith Shipped Via: H/D  
 Date/time completed: 1/15/12 (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
 Airbill #: NA  
 Matrix(s) Received: (Check all that apply):  Soil/Solid  Water  Other: \_\_\_\_\_  
 Cooler Number/Temperature: 1 / 0.4 °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 <sup>(1)</sup> ?	X			
Is there ice present (document if blue ice is used)	X			
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 <sup>(1)</sup> ?	✓			
Was adequate sample volume provided <sup>(1)</sup> ?	✓			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?	✓			PH
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	X			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	✓			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	✓			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	✓			
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 <sup>(1)</sup> ? (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):				

<sup>(1)</sup>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.

John Cocroft 1/15/12  
 Reviewed by (Project Manager) Date/Time Reviewed

Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS11**  
**1/15/2016 3:20:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601147-01 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	150	25	mg/kg	1	B6A1503	01/15/2016	01/17/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

Surrogate: *o*-Terphenyl 86.6 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	36.7	5.00	mg/kg	25	B6A1504	01/15/2016	01/15/2016	
Benzene	ND	0.050	"	"	"	"	"	
Toluene	0.182	0.050	"	"	"	"	"	
Ethylbenzene	0.082	0.050	"	"	"	"	"	
Xylenes, total	0.955	0.050	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4 96.2 % 70-130 " " "  
 Surrogate: Toluene-d8 106 % 70-130 " " "  
 Surrogate: 4-Bromofluorobenzene 97.1 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.10		pH Units	1	B6A1509	01/15/2016	01/15/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.138		mmhos/cm	"	B6A1510	01/15/2016	01/15/2016	
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Origins Laboratory, Inc.



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LT Environmental, Inc.  
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 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS12**  
**1/15/2016 3:25:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601147-02 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	170	25	mg/kg	1	B6A1503	01/15/2016	01/17/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 80.6 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	5.77	5.00	mg/kg	25	B6A1504	01/15/2016	01/15/2016	
Benzene	ND	0.050	"	"	"	"	"	
Toluene	ND	0.050	"	"	"	"	"	
Ethylbenzene	ND	0.050	"	"	"	"	"	
Xylenes, total	ND	0.050	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 96.9 % 70-130 " " "  
*Surrogate: Toluene-d8* 97.8 % 70-130 " " "  
*Surrogate: 4-Bromofluorobenzene* 101 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	7.97		pH Units	1	B6A1509	01/15/2016	01/15/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.110		mmhos/cm	"	B6A1510	01/15/2016	01/15/2016	
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Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS13**  
**1/15/2016 3:30:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601147-03 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1503	01/15/2016	01/17/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 72.2 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6A1504	01/15/2016	01/15/2016	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 103 % 70-130 " " "  
*Surrogate: Toluene-d8* 98.2 % 70-130 " " "  
*Surrogate: 4-Bromofluorobenzene* 105 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.28		pH Units	1	B6A1509	01/15/2016	01/15/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.102		mmhos/cm	"	B6A1510	01/15/2016	01/15/2016	
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Origins Laboratory, Inc.



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LT Environmental, Inc.  
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 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS14**  
**1/15/2016 3:35:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601147-04 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1503	01/15/2016	01/17/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 70.7 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	<b>6.55</b>	5.00	mg/kg	25	B6A1504	01/15/2016	01/15/2016	
Benzene	ND	0.050	"	"	"	"	"	
Toluene	ND	0.050	"	"	"	"	"	
Ethylbenzene	ND	0.050	"	"	"	"	"	
Xylenes, total	ND	0.050	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 99.9 % 70-130 " " "  
*Surrogate: Toluene-d8* 98.9 % 70-130 " " "  
*Surrogate: 4-Bromofluorobenzene* 104 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	<b>8.16</b>		pH Units	1	B6A1509	01/15/2016	01/15/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	<b>0.140</b>		mmhos/cm	"	B6A1510	01/15/2016	01/15/2016	
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Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS15**  
**1/15/2016 3:40:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601147-05 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	<b>2500</b>	25	mg/kg	1	B6A1503	01/15/2016	01/17/2016	
Residual Range Organics (C28-C36)	<b>740</b>	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 79.7 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	<b>85.0</b>	5.00	mg/kg	25	B6A1504	01/15/2016	01/15/2016	
Benzene	ND	0.050	"	"	"	"	"	
Toluene	<b>0.285</b>	0.050	"	"	"	"	"	
Ethylbenzene	<b>0.246</b>	0.050	"	"	"	"	"	
Xylenes, total	<b>3.10</b>	0.050	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 100 % 70-130 " " "

*Surrogate: Toluene-d8* 108 % 70-130 " " "

*Surrogate: 4-Bromofluorobenzene* 100 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	<b>7.98</b>		pH Units	1	B6A1509	01/15/2016	01/15/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	<b>0.161</b>		mmhos/cm	"	B6A1510	01/15/2016	01/15/2016	
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Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS16**  
**1/15/2016 3:45:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601147-06 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	<b>2200</b>	25	mg/kg	1	B6A1503	01/15/2016	01/17/2016	
Residual Range Organics (C28-C36)	<b>750</b>	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 82.9 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	<b>7.94</b>	0.200	mg/kg	1	B6A1504	01/15/2016	01/15/2016	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	<b>0.002</b>	0.002	"	"	"	"	"	
Ethylbenzene	<b>0.008</b>	0.002	"	"	"	"	"	
Xylenes, total	<b>0.166</b>	0.002	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 108 % 70-130 " " "

*Surrogate: Toluene-d8* 105 % 70-130 " " "

*Surrogate: 4-Bromofluorobenzene* 94.0 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	<b>8.11</b>		pH Units	1	B6A1509	01/15/2016	01/15/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	<b>0.136</b>		mmhos/cm	"	B6A1510	01/15/2016	01/15/2016	
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Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS17**  
**1/15/2016 3:50:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601147-07 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	150	25	mg/kg	1	B6A1503	01/15/2016	01/17/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 67.1 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	6.06	5.00	mg/kg	25	B6A1504	01/15/2016	01/15/2016	
Benzene	ND	0.050	"	"	"	"	"	
Toluene	ND	0.050	"	"	"	"	"	
Ethylbenzene	ND	0.050	"	"	"	"	"	
Xylenes, total	ND	0.050	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 88.0 % 70-130 " " "  
*Surrogate: Toluene-d8* 98.4 % 70-130 " " "  
*Surrogate: 4-Bromofluorobenzene* 101 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	7.55		pH Units	1	B6A1509	01/15/2016	01/15/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.296		mmhos/cm	"	B6A1510	01/15/2016	01/15/2016	
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Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS21**  
**1/15/2016 3:55:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601147-08 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1503	01/15/2016	01/17/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 78.1 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	5.00	mg/kg	25	B6A1504	01/15/2016	01/15/2016	
Benzene	ND	0.050	"	"	"	"	"	
Toluene	ND	0.050	"	"	"	"	"	
Ethylbenzene	ND	0.050	"	"	"	"	"	
Xylenes, total	ND	0.050	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 102 % 70-130 " " "  
*Surrogate: Toluene-d8* 97.7 % 70-130 " " "  
*Surrogate: 4-Bromofluorobenzene* 99.3 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.42		pH Units	1	B6A1509	01/15/2016	01/15/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.110		mmhos/cm	"	B6A1510	01/15/2016	01/15/2016	
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Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS22**

**1/15/2016 4:00:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601147-09 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	<b>330</b>	25	mg/kg	1	B6A1503	01/15/2016	01/17/2016	
Residual Range Organics (C28-C36)	<b>120</b>	100	"	"	"	"	"	

Surrogate: *o*-Terphenyl 86.6 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	<b>49.1</b>	5.00	mg/kg	25	B6A1504	01/15/2016	01/15/2016	
Benzene	ND	0.050	"	"	"	"	"	
Toluene	<b>0.066</b>	0.050	"	"	"	"	"	
Ethylbenzene	<b>0.055</b>	0.050	"	"	"	"	"	
Xylenes, total	<b>0.784</b>	0.050	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4 101 % 70-130 " " "

Surrogate: Toluene-d8 106 % 70-130 " " "

Surrogate: 4-Bromofluorobenzene 106 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	<b>8.27</b>		pH Units	1	B6A1509	01/15/2016	01/15/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	<b>0.110</b>		mmhos/cm	"	B6A1510	01/15/2016	01/15/2016	
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LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS27**

**1/15/2016 4:05:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.  
 X601147-10 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	29	25	mg/kg	1	B6A1503	01/15/2016	01/17/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 73.7 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	5.00	mg/kg	25	B6A1504	01/15/2016	01/15/2016	
Benzene	ND	0.050	"	"	"	"	"	
Toluene	ND	0.050	"	"	"	"	"	
Ethylbenzene	ND	0.050	"	"	"	"	"	
Xylenes, total	ND	0.050	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 98.8 % 70-130 " " "  
*Surrogate: Toluene-d8* 97.0 % 70-130 " " "  
*Surrogate: 4-Bromofluorobenzene* 101 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.35		pH Units	1	B6A1509	01/15/2016	01/15/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0758		mmhos/cm	"	B6A1510	01/15/2016	01/15/2016	
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LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS28**  
**1/15/2016 4:10:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601147-11 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	26	25	mg/kg	1	B6A1503	01/15/2016	01/17/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

Surrogate: *o*-Terphenyl 64.7 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	5.00	mg/kg	25	B6A1504	01/15/2016	01/15/2016	
Benzene	ND	0.050	"	"	"	"	"	
Toluene	ND	0.050	"	"	"	"	"	
Ethylbenzene	ND	0.050	"	"	"	"	"	
Xylenes, total	ND	0.050	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4 101 % 70-130 " " "  
 Surrogate: Toluene-d8 96.1 % 70-130 " " "  
 Surrogate: 4-Bromofluorobenzene 101 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.38		pH Units	1	B6A1509	01/15/2016	01/15/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.118		mmhos/cm	"	B6A1510	01/15/2016	01/15/2016	
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LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS23**  
**1/15/2016 4:15:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601147-12 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	120	25	mg/kg	1	B6A1503	01/15/2016	01/17/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

Surrogate: *o*-Terphenyl 61.9 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	34.7	5.00	mg/kg	25	B6A1504	01/15/2016	01/15/2016	
Benzene	ND	0.050	"	"	"	"	"	
Toluene	ND	0.050	"	"	"	"	"	
Ethylbenzene	ND	0.050	"	"	"	"	"	
Xylenes, total	0.192	0.050	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4 102 % 70-130 " " "  
 Surrogate: Toluene-d8 95.7 % 70-130 " " "  
 Surrogate: 4-Bromofluorobenzene 94.8 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.35		pH Units	1	B6A1509	01/15/2016	01/15/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0978		mmhos/cm	"	B6A1510	01/15/2016	01/15/2016	
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 4600 West 60th Avenue  
 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS65**  
**1/15/2016 4:20:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601147-13 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1503	01/15/2016	01/17/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 62.4 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	5.00	mg/kg	25	B6A1504	01/15/2016	01/15/2016	
Benzene	ND	0.050	"	"	"	"	"	
Toluene	ND	0.050	"	"	"	"	"	
Ethylbenzene	ND	0.050	"	"	"	"	"	
Xylenes, total	ND	0.050	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 98.9 % 70-130 " " "

*Surrogate: Toluene-d8* 99.4 % 70-130 " " "

*Surrogate: 4-Bromofluorobenzene* 99.3 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.24		pH Units	1	B6A1509	01/15/2016	01/15/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.296		mmhos/cm	"	B6A1510	01/15/2016	01/15/2016	
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 4600 West 60th Avenue  
 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS66**  
**1/15/2016 4:25:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601147-14 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1503	01/15/2016	01/17/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	

*Surrogate: o-Terphenyl* 66.5 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	5.00	mg/kg	25	B6A1504	01/15/2016	01/16/2016	
Benzene	ND	0.050	"	"	"	"	"	
Toluene	ND	0.050	"	"	"	"	"	
Ethylbenzene	ND	0.050	"	"	"	"	"	
Xylenes, total	ND	0.050	"	"	"	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 99.3 % 70-130 " " "

*Surrogate: Toluene-d8* 97.3 % 70-130 " " "

*Surrogate: 4-Bromofluorobenzene* 99.9 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	7.91		pH Units	1	B6A1509	01/15/2016	01/15/2016	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.683		mmhos/cm	"	B6A1510	01/15/2016	01/15/2016	
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4600 West 60th Avenue  
Arvada CO 80003

John Cocroft  
Project Number: 014216006  
Project: KMG - GEE 15C-25Hz

**SW12**  
**1/15/2016 4:30:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601147-15 (Water)**

**BTEX by EPA 8260C**

Benzene	ND	1.0	ug/L	1	B6A1501	01/15/2016	01/15/2016	U
Toluene	ND	1.0	"	"	"	"	"	U
Ethylbenzene	ND	1.0	"	"	"	"	"	U
Xylenes, total	ND	1.0	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	99.0 %	84-121			"	"	"	
Surrogate: Toluene-d8	101 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.1 %	84-114			"	"	"	

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 4600 West 60th Avenue  
 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SW13**  
**1/15/2016 4:35:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601147-16 (Water)**

**BTEX by EPA 8260C**

Benzene	ND	1.0	ug/L	1	B6A1501	01/15/2016	01/15/2016	U
Toluene	ND	1.0	"	"	"	"	"	U
Ethylbenzene	ND	1.0	"	"	"	"	"	U
Xylenes, total	ND	1.0	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	100 %	84-121			"	"	"	
Surrogate: Toluene-d8	100 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	96.7 %	84-114			"	"	"	

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 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SW14**  
**1/15/2016 4:40:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601147-17 (Water)**

**BTEX by EPA 8260C**

Benzene	ND	1.0	ug/L	1	B6A1501	01/15/2016	01/15/2016	U
Toluene	ND	1.0	"	"	"	"	"	U
Ethylbenzene	ND	1.0	"	"	"	"	"	U
Xylenes, total	ND	1.0	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	99.2 %	84-121			"	"	"	
Surrogate: Toluene-d8	100 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.6 %	84-114			"	"	"	

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 4600 West 60th Avenue  
 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SW15**  
**1/15/2016 4:45:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601147-18 (Water)**

**BTEX by EPA 8260C**

Benzene	ND	1.0	ug/L	1	B6A1501	01/15/2016	01/15/2016	U
Toluene	ND	1.0	"	"	"	"	"	U
Ethylbenzene	ND	1.0	"	"	"	"	"	U
Xylenes, total	ND	1.0	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	100 %	84-121			"	"	"	
Surrogate: Toluene-d8	101 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.2 %	84-114			"	"	"	

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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**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
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**Batch B6A1501 - EPA 5030B (Water)**

**Blank (B6A1501-BLK1)**

Prepared: 01/15/2016 Analyzed: 01/15/2016

Benzene	ND	1.0	ug/L							U
Toluene	ND	1.0	"							U
Ethylbenzene	ND	1.0	"							U
Xylenes, total	ND	1.0	"							U
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5		102	84-121			
Surrogate: Toluene-d8	62		"	62.5		98.9	85-115			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		96.2	84-114			

Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**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
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**Batch B6A1501 - EPA 5030B (Water)**

**Blank (B6A1501-BLK2)**

Prepared: 01/15/2016 Analyzed: 01/15/2016

Benzene	ND	1.0	ug/L							U
Toluene	ND	1.0	"							U
Ethylbenzene	ND	1.0	"							U
Xylenes, total	ND	1.0	"							U
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5		102	84-121			
Surrogate: Toluene-d8	63		"	62.5		101	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.1	84-114			

Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**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
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**Batch B6A1501 - EPA 5030B (Water)**

**LCS (B6A1501-BS1)**

Prepared: 01/15/2016 Analyzed: 01/15/2016

Benzene	54.9	1.0	ug/L	50.0		110	73.3-129			
Toluene	56.2	1.0	"	50.0		112	76.2-123			
Ethylbenzene	58.2	1.0	"	50.0		116	73.6-130			
m,p-Xylene	113	2.0	"	100		113	76.1-126			
o-Xylene	55.7	1.0	"	50.0		111	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		95.3	84-121			
Surrogate: Toluene-d8	63		"	62.5		100	85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.4	84-114			

Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**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
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**Batch B6A1501 - EPA 5030B (Water)**

**LCS (B6A1501-BS2)**

Prepared: 01/15/2016 Analyzed: 01/17/2016

Benzene	54.2	1.0	ug/L	50.0		108	73.3-129			
Toluene	54.8	1.0	"	50.0		110	76.2-123			
Ethylbenzene	57.2	1.0	"	50.0		114	73.6-130			
m,p-Xylene	111	2.0	"	100		111	76.1-126			
o-Xylene	54.9	1.0	"	50.0		110	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		95.4	84-121			
Surrogate: Toluene-d8	64		"	62.5		102	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.1	84-114			

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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**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
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**Batch B6A1501 - EPA 5030B (Water)**

<b>Matrix Spike (B6A1501-MS1)</b>	<b>Source: X601120-06</b>			<b>Prepared: 01/15/2016 Analyzed: 01/15/2016</b>						
Benzene	45.2	1.0	ug/L	50.0	ND	90.4	74-130			
Toluene	44.6	1.0	"	50.0	ND	89.1	73-131			
Ethylbenzene	45.3	1.0	"	50.0	ND	90.7	76-132			
m,p-Xylene	89.3	2.0	"	100	ND	89.3	69-139			
o-Xylene	46.2	1.0	"	50.0	ND	92.5	74-131			
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		96.6	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.8	85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		98.2	84-114			

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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**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
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Batch B6A1501 - EPA 5030B (Water)

Matrix Spike (B6A1501-MS2)	Source: X601120-07			Prepared: 01/15/2016 Analyzed: 01/15/2016						
Benzene	41.4	1.0	ug/L	50.0	ND	82.8	74-130			
Toluene	41.0	1.0	"	50.0	ND	82.0	73-131			
Ethylbenzene	41.5	1.0	"	50.0	ND	82.9	76-132			
m,p-Xylene	81.8	2.0	"	100	ND	81.8	69-139			
o-Xylene	43.3	1.0	"	50.0	ND	86.5	74-131			
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		97.7	84-121			
Surrogate: Toluene-d8	63		"	62.5		100	85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.5	84-114			

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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**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
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**Batch B6A1501 - EPA 5030B (Water)**

Matrix Spike Dup (B6A1501-MSD1)	Source: X601120-06			Prepared: 01/15/2016 Analyzed: 01/15/2016						
Benzene	45.3	1.0	ug/L	50.0	ND	90.6	74-130	0.287	20	
Toluene	44.4	1.0	"	50.0	ND	88.9	73-131	0.315	20	
Ethylbenzene	46.1	1.0	"	50.0	ND	92.3	76-132	1.75	20	
m,p-Xylene	89.9	2.0	"	100	ND	89.9	69-139	0.681	20	
o-Xylene	45.6	1.0	"	50.0	ND	91.2	74-131	1.39	20	
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		97.6	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.8	85-115			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		96.5	84-114			

Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**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
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**Batch B6A1501 - EPA 5030B (Water)**

Matrix Spike Dup (B6A1501-MSD2)	Source: X601120-07			Prepared: 01/15/2016 Analyzed: 01/15/2016						
Benzene	46.7	1.0	ug/L	50.0	ND	93.3	74-130	11.9	20	
Toluene	45.9	1.0	"	50.0	ND	91.9	73-131	11.4	20	
Ethylbenzene	46.6	1.0	"	50.0	ND	93.2	76-132	11.6	20	
m,p-Xylene	92.6	2.0	"	100	ND	92.6	69-139	12.4	20	
o-Xylene	47.0	1.0	"	50.0	ND	94.0	74-131	8.24	20	
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		96.9	84-121			
Surrogate: Toluene-d8	62		"	62.5		100	85-115			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		95.7	84-114			

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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**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
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**Batch B6A1504 - EPA 5030 (soil)**

**Blank (B6A1504-BLK1)**

Prepared: 01/15/2016 Analyzed: 01/15/2016

Gasoline Range Hydrocarbons	ND	0.200	mg/kg							
Benzene	ND	0.002	"							
Toluene	ND	0.002	"							
Ethylbenzene	ND	0.002	"							
Xylenes, total	ND	0.002	"							
Surrogate: 1,2-Dichloroethane-d4	73.2		ug/kg	62.5		117	70-130			
Surrogate: Toluene-d8	60.9		"	62.5		97.4	70-130			
Surrogate: 4-Bromofluorobenzene	61.8		"	62.5		98.8	70-130			

Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**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
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**Batch B6A1504 - EPA 5030 (soil)**

**LCS (B6A1504-BS1)**

Prepared: 01/15/2016 Analyzed: 01/15/2016

Benzene	0.089	0.002	mg/kg	0.100		88.9	77.1-124			
Toluene	0.110	0.002	"	0.100		110	74.5-128			
Ethylbenzene	0.104	0.002	"	0.100		104	66.4-127			
m,p-Xylene	0.204	0.004	"	0.200		102	76.6-124			
o-Xylene	0.099	0.002	"	0.100		99.2	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	70.9		ug/kg	62.5		113	70-130			
Surrogate: Toluene-d8	60.1		"	62.5		96.2	70-130			
Surrogate: 4-Bromofluorobenzene	61.1		"	62.5		97.8	70-130			

Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**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
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Batch B6A1504 - EPA 5030 (soil)

Matrix Spike (B6A1504-MS1)	Source: X601117-03			Prepared: 01/15/2016 Analyzed: 01/15/2016						
Benzene	0.090	0.002	mg/kg	0.100	ND	90.4	71.8-126			
Toluene	0.113	0.002	"	0.100	ND	113	65.1-130			
Ethylbenzene	0.108	0.002	"	0.100	ND	108	62.2-130			
m,p-Xylene	0.211	0.004	"	0.200	ND	105	46.5-137			
o-Xylene	0.105	0.002	"	0.100	ND	105	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	71.5		ug/kg	62.5		114	70-130			
Surrogate: Toluene-d8	59.6		"	62.5		95.3	70-130			
Surrogate: 4-Bromofluorobenzene	61.0		"	62.5		97.6	70-130			

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 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**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
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Batch B6A1504 - EPA 5030 (soil)

Matrix Spike Dup (B6A1504-MSD1)	Source: X601117-03			Prepared: 01/15/2016 Analyzed: 01/15/2016						
Benzene	0.090	0.002	mg/kg	0.100	ND	90.0	71.8-126	0.443	11.3	
Toluene	0.113	0.002	"	0.100	ND	113	65.1-130	0.761	15.4	
Ethylbenzene	0.109	0.002	"	0.100	ND	109	62.2-130	1.04	19.6	
m,p-Xylene	0.217	0.004	"	0.200	ND	109	46.5-137	3.18	19.2	
o-Xylene	0.105	0.002	"	0.100	ND	105	54.2-134	0.172	17.9	
Surrogate: 1,2-Dichloroethane-d4	70.0		ug/kg	62.5		112	70-130			
Surrogate: Toluene-d8	59.5		"	62.5		95.2	70-130			
Surrogate: 4-Bromofluorobenzene	61.5		"	62.5		98.4	70-130			

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 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**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
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**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
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**Batch B6A1503 - EPA 3580**

**Blank (B6A1503-BLK1)**

Prepared: 01/15/2016 Analyzed: 01/15/2016

Diesel (C10-C28)	ND	50	mg/kg							
Residual Range Organics (C28-C36)	ND	200	"							
Surrogate: o-Terphenyl	37		"	50.0		74.9	59-131			

**LCS (B6A1503-BS1)**

Prepared: 01/15/2016 Analyzed: 01/15/2016

Diesel (C10-C28)	820	50	mg/kg	1000		82.1	64-121			
Residual Range Organics (C28-C36)	720	200	"	1000		71.7	58-124			
Surrogate: o-Terphenyl	40		"	50.0		80.5	59-131			

**Matrix Spike (B6A1503-MS1)**

Source: X601121-01

Prepared: 01/15/2016 Analyzed: 01/15/2016

Diesel (C10-C28)	750	50	mg/kg	1000	ND	75.3	53-125			
Residual Range Organics (C28-C36)	770	200	"	1000	15	75.6	47-133			
Surrogate: o-Terphenyl	36		"	50.0		72.7	59-131			

**Matrix Spike Dup (B6A1503-MSD1)**

Source: X601121-01

Prepared: 01/15/2016 Analyzed: 01/15/2016

Diesel (C10-C28)	760	50	mg/kg	1000	ND	76.4	53-125	1.37	20	
Residual Range Organics (C28-C36)	790	200	"	1000	15	77.5	47-133	2.40	20	
Surrogate: o-Terphenyl	40		"	50.0		79.3	59-131			

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LT Environmental, Inc.  
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 Arvada CO 80003

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**Classical Chemistry Parameters - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B6A1509 - NO PREP</b>										
<b>Duplicate (B6A1509-DUP1)</b>		<b>Source: X601147-01</b>			Prepared: 01/15/2016 Analyzed: 01/15/2016					
pH	8.12		pH Units		8.10			0.247	25	
<b>Batch B6A1510 - NO PREP</b>										
<b>Blank (B6A1510-BLK1)</b>		Prepared: 01/15/2016 Analyzed: 01/15/2016								
Specific Conductance (EC)	0.00300		mmhos/cm							
<b>Duplicate (B6A1510-DUP1)</b>		<b>Source: X601147-01</b>			Prepared: 01/15/2016 Analyzed: 01/15/2016					
Specific Conductance (EC)	0.144		mmhos/cm		0.138			4.19	25	

Origins Laboratory, Inc.



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

John Cocroft  
Project Number: 014216006  
Project: KMG - GEE 15C-25Hz

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**Notes and Definitions**

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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---

Jen Pellegrini For Noelle Doyle Mathis, President

January 19, 2016

LT Environmental, Inc.

John Cocroft

4600 West 60th Avenue

Arvada CO 80003

Project Name - KMG - GEE 15C-25Hz

Project Number - 014216006

Attached are your analytical results for KMG - GEE 15C-25Hz received by Origins Laboratory, Inc. January 18, 2016. This project is associated with Origins project number X601164-01.

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



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

John Cocroft  
Project Number: 014216006  
Project: KMG - GEE 15C-25Hz

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS15 @ 4"	X601164-01	Soil	January 18, 2016 15:20	01/18/2016 18:23
SS16 @ 4"	X601164-02	Soil	January 18, 2016 15:25	01/18/2016 18:23

Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

www.originslaboratory.com page 1 of 1

**ORIGINS**  
LABORATORY, INC

Client: LTE

Address: 4600 W 60th Ave  
Arvada CO 80003

Telephone Number: 303-433-9798

Email Address: Jcocroft@LTEnv.com

Project Manager: John Cocroft

Project Name: GEE 15C-25Hz

Project Number: 014216006

Samples Collected By: RZ

HT: Sam Ufave

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions		
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Air Summ #			Other	
SS1504"	1/10/16	1520	1	X					X				1	
SS1604"	1/10/16	1525	1	X					X				2	
													3	
													4	
													5	
													6	
													7	
													8	
													9	
													10	

Relinquished By: [Signature] Date: 1/10/16 Time: 1645 Received By: [Signature] #179 Date: 1/18/16 Time: 1823

Relinquished By: [Signature] #179 Date: 1/18/16 Time: 1823 Received By: [Signature] #1823 Date: 1/18/16 Time: 1823

Temp Received: 55° Date Results Needed: \_\_\_\_\_

Origins Laboratory, Inc.

*Jefe Pellegrini*

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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

Origins Laboratory

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

**Sample Receipt Checklist**

Origins Work Order: X6011641 Client: LT Environmental  
 Client Project ID: KMG-GEE 15C-25Hz  
 Checklist Completed by: Joe Henderson Shipped Via: H/D  
 (URS, FedEx, Hand Delivered, Pick-up, etc.)  
 Date/time completed: 1/18/12 1221 Airbill #: 188  
 Matrix(s) Received: (Check all that apply):  Soil/Solid  Water  Other: \_\_\_\_\_  
 Cooler Number/Temperature: 1 / 5.5 °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 <sup>(1)?</sup>	<input checked="" type="checkbox"/>			
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 <sup>(1)?</sup>	<input checked="" type="checkbox"/>			
Was adequate sample volume provided <sup>(1)?</sup>	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)?</sup>		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)?</sup>	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received <sup>(1)?</sup>	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC <sup>(1)?</sup>	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)?</sup>	<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 <sup>(1)?</sup> (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)			<input checked="" type="checkbox"/>	
Additional Comments (if any):				

<sup>(1)</sup>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.

[Signature]  
 Reviewed by (Project Manager)

1/18/12 1230  
 Date/Time Reviewed

Origins Laboratory, Inc.

[Signature]

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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS15 @ 4"**  
**1/18/2016 3:20:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601164-01 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1801	01/18/2016	01/18/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	
<i>Surrogate: o-Terphenyl</i>	88.3 %	59-131			"	"	"	

**GRO/TVPH by EPA 8260C**

Gasoline Range Hydrocarbons	<b>0.709</b>	0.100	mg/kg	1	B6A1802	01/18/2016	01/18/2016	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	112 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	97.7 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	101 %	70-130			"	"	"	
<i>Surrogate: Fluorobenzene</i>	0.100 %	50-200			"	"	"	
<i>Surrogate: Chlorobenzene-d5</i>	0.100 %	50-200			"	"	"	
<i>Surrogate: 1,4-Dichlorobenzene-d4</i>	0.100 %	50-200			"	"	"	

Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**SS16 @ 4"**  
**1/18/2016 3:25:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X601164-02 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25	mg/kg	1	B6A1801	01/18/2016	01/18/2016	
Residual Range Organics (C28-C36)	ND	100	"	"	"	"	"	
<i>Surrogate: o-Terphenyl</i>	73.1 %	59-131			"	"	"	

**GRO/TVPH by EPA 8260C**

Gasoline Range Hydrocarbons	<b>0.204</b>	0.100	mg/kg	1	B6A1802	01/18/2016	01/18/2016	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	112 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	99.3 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	95.7 %	70-130			"	"	"	
<i>Surrogate: Fluorobenzene</i>	0.100 %	50-200			"	"	"	
<i>Surrogate: Chlorobenzene-d5</i>	0.100 %	50-200			"	"	"	
<i>Surrogate: 1,4-Dichlorobenzene-d4</i>	0.100 %	50-200			"	"	"	

Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**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
<b>Batch B6A1801 - EPA 3580</b>										
<b>Blank (B6A1801-BLK1)</b>										
					Prepared: 01/18/2016 Analyzed: 01/18/2016					
Diesel (C10-C28)	ND	50	mg/kg							
Residual Range Organics (C28-C36)	ND	200	"							
Surrogate: o-Terphenyl	43		"	50.0		85.5	59-131			
<b>LCS (B6A1801-BS1)</b>										
					Prepared: 01/18/2016 Analyzed: 01/18/2016					
Diesel (C10-C28)	810	50	mg/kg	1000		81.0	64-121			
Residual Range Organics (C28-C36)	850	200	"	1000		84.8	58-124			
Surrogate: o-Terphenyl	44		"	50.0		88.4	59-131			
<b>Matrix Spike (B6A1801-MS1)</b>										
		<b>Source: X601123-01</b>			Prepared: 01/18/2016 Analyzed: 01/18/2016					
Diesel (C10-C28)	670	50	mg/kg	1000		66.8	53-125			
Residual Range Organics (C28-C36)	730	200	"	1000		72.8	47-133			
Surrogate: o-Terphenyl	36		"	50.0		72.4	59-131			
<b>Matrix Spike Dup (B6A1801-MSD1)</b>										
		<b>Source: X601123-01</b>			Prepared: 01/18/2016 Analyzed: 01/18/2016					
Diesel (C10-C28)	760	50	mg/kg	1000		75.7	53-125	12.6	20	
Residual Range Organics (C28-C36)	690	200	"	1000		69.3	47-133	4.99	20	
Surrogate: o-Terphenyl	39		"	50.0		77.8	59-131			

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

John Cocroft  
 Project Number: 014216006  
 Project: KMG - GEE 15C-25Hz

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B6A1802 - EPA 5030 (soil)**

**Blank (B6A1802-BLK1)**

Prepared: 01/18/2016 Analyzed: 01/18/2016

Gasoline Range Hydrocarbons	ND	0.100	mg/kg							
Surrogate: 1,2-Dichloroethane-d4	63		ug/kg	62.5		101	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.0	70-130			
Surrogate: Toluene-d8	62		"	62.5		98.5	70-130			
Surrogate: Fluorobenzene	62		"	62500		0.100	50-200			
Surrogate: Chlorobenzene-d5	62		"	62500		0.100	50-200			
Surrogate: 1,4-Dichlorobenzene-d4	62		"	62500		0.100	50-200			

**LCS (B6A1802-BS1)**

Prepared: 01/18/2016 Analyzed: 01/18/2016

Gasoline Range Hydrocarbons	2.01	0.100	mg/kg	2.00		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	60		ug/kg	62.5		96.2	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.2	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.8	70-130			
Surrogate: Fluorobenzene	62		"	62500		0.100	50-200			
Surrogate: Chlorobenzene-d5	62		"	62500		0.100	50-200			
Surrogate: 1,4-Dichlorobenzene-d4	62		"	62500		0.100	50-200			

**LCS Dup (B6A1802-BSD1)**

Prepared: 01/18/2016 Analyzed: 01/18/2016

Gasoline Range Hydrocarbons	1.99	0.100	mg/kg	2.00		99.4	70-130	1.21	20	
Surrogate: 1,2-Dichloroethane-d4	75		ug/kg	62.5		120	70-130			
Surrogate: 4-Bromofluorobenzene	72		"	62.5		116	70-130			
Surrogate: Toluene-d8	76		"	62.5		122	70-130			
Surrogate: Fluorobenzene	74		"	62500		0.118	50-200			
Surrogate: Chlorobenzene-d5	72		"	62500		0.116	50-200			
Surrogate: 1,4-Dichlorobenzene-d4	72		"	62500		0.116	50-200			

Origins Laboratory, Inc.



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

John Cocroft  
Project Number: 014216006  
Project: KMG - GEE 15C-25Hz

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**Notes and Definitions**

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.*

---

Jen Pellegrini For Noelle Doyle Mathis, President



February 09, 2016

LT Environmental, Inc.

John Cocroft

4600 West 60th Avenue

Arvada CO 80003

Project Name - KMG - GEE 15C-25Hz

Project Number - 01421579

Attached are your analytical results for KMG - GEE 15C-25Hz received by Origins Laboratory, Inc. February 08, 2016. This project is associated with Origins project number X602067-01.

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

John Cocroft  
Project Number: 01421579  
Project: KMG - GEE 15C-25Hz

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW07	X602067-01	Water	February 8, 2016 9:00	02/08/2016 16:40
SW08	X602067-02	Water	February 8, 2016 9:10	02/08/2016 16:40
SS08 @ 3"	X602067-03	Soil	February 8, 2016 9:50	02/08/2016 16:40
SS05 @ 3"	X602067-04	Soil	February 8, 2016 10:25	02/08/2016 16:40
SS04 @ 3"	X602067-05	Soil	February 8, 2016 10:55	02/08/2016 16:40
SS02 @ 3"	X602067-06	Soil	February 8, 2016 11:30	02/08/2016 16:40

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

John Cocroft  
 Project Number: 01421579  
 Project: KMG - GEE 15C-25Hz

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: X1602067

Client: LTE

Client Project ID: GEE 15C-25Hz

Checklist Completed by: J. Henderson

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

Date/time completed: 2/8/16 1646

Airbill #: NA

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

Cooler Number/Temperature: 1 / 2.9 °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 <sup>(1)</sup> ?	X			
Is there ice present (document if blue ice is used)	X			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		X		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		X		
Were all samples received intact <sup>(1)</sup> ?	X			
Was adequate sample volume provided <sup>(1)</sup> ?	X			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?		X		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	X			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	X			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	X			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	X			
For volatiles in water – is there headspace (> ¼ inch bubble) present? <b>If yes, contact client and note in narrative.</b>		X		
Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (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 <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH >10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)		X		
Additional Comments (if any):				

<sup>(1)</sup>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.

J. Henderson  
 Reviewed by (Project Manager)

2/8/16  
 Date/Time Reviewed

Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 01421579  
 Project: KMG - GEE 15C-25Hz

**SW07**  
**2/8/2016 9:00:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X602067-01 (Water)**

**BTEX by EPA 8260C**

Benzene	ND	1.0	ug/L	1	B6B0501	02/08/2016	02/08/2016	U
Toluene	ND	1.0	"	"	"	"	"	U
Ethylbenzene	ND	1.0	"	"	"	"	"	U
Xylenes, total	ND	1.0	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	99.9 %	84-121			"	"	"	
Surrogate: Toluene-d8	97.3 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	95.3 %	84-114			"	"	"	

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

John Cocroft  
 Project Number: 01421579  
 Project: KMG - GEE 15C-25Hz

**SW08**  
**2/8/2016 9:10:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X602067-02 (Water)**

**BTEX by EPA 8260C**

Benzene	ND	1.0	ug/L	1	B6B0501	02/08/2016	02/08/2016	U
Toluene	ND	1.0	"	"	"	"	"	U
Ethylbenzene	ND	1.0	"	"	"	"	"	U
Xylenes, total	ND	1.0	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	105 %	84-121			"	"	"	
Surrogate: Toluene-d8	101 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	94.7 %	84-114			"	"	"	

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

John Cocroft  
Project Number: 01421579  
Project: KMG - GEE 15C-25Hz

**SS08 @ 3"**  
**2/8/2016 9:50:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X602067-03 (Soil)**

**TPH-Carbon Chain by EPA Method 8015C**

Gasoline (C6-C10)	ND	25	mg/kg	1	B6B0805	02/08/2016	02/08/2016	
Diesel (C10-C28)	ND	25	"	"	"	"	"	
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	
Surrogate: o-Terphenyl	64.9 %	65-146			"	"	"	S-04

Origins Laboratory, Inc.



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

John Cocroft  
Project Number: 01421579  
Project: KMG - GEE 15C-25Hz

**SS05 @ 3"**  
**2/8/2016 10:25:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X602067-04 (Soil)**

**TPH-Carbon Chain by EPA Method 8015C**

Gasoline (C6-C10)	ND	25	mg/kg	1	B6B0805	02/08/2016	02/08/2016	
Diesel (C10-C28)	ND	25	"	"	"	"	"	
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	
Surrogate: o-Terphenyl	90.3 %	65-146			"	"	"	

Origins Laboratory, Inc.



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

John Cocroft  
Project Number: 01421579  
Project: KMG - GEE 15C-25Hz

**SS04 @ 3"**  
**2/8/2016 10:55:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X602067-05 (Soil)**

**TPH-Carbon Chain by EPA Method 8015C**

Gasoline (C6-C10)	ND	25	mg/kg	1	B6B0805	02/08/2016	02/08/2016	
Diesel (C10-C28)	ND	25	"	"	"	"	"	
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	
Surrogate: o-Terphenyl	97.4 %	65-146			"	"	"	

Origins Laboratory, Inc.



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

John Cocroft  
Project Number: 01421579  
Project: KMG - GEE 15C-25Hz

**SS02 @ 3"**  
**2/8/2016 11:30:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X602067-06 (Soil)**

**TPH-Carbon Chain by EPA Method 8015C**

Gasoline (C6-C10)	ND	25	mg/kg	1	B6B0805	02/08/2016	02/08/2016	
Diesel (C10-C28)	ND	25	"	"	"	"	"	
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	
Surrogate: o-Terphenyl	68.7 %	65-146			"	"	"	

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

John Cocroft  
 Project Number: 01421579  
 Project: KMG - GEE 15C-25Hz

**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
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**Batch B6B0501 - EPA 5030B (Water)**

**Blank (B6B0501-BLK1)**

Prepared: 02/05/2016 Analyzed: 02/08/2016

Benzene	ND	1.0	ug/L							U
Toluene	ND	1.0	"							U
Ethylbenzene	ND	1.0	"							U
Xylenes, total	ND	1.0	"							U
Surrogate: 1,2-Dichloroethane-d4	68		"	62.5	109		84-121			
Surrogate: Toluene-d8	63		"	62.5	101		85-115			
Surrogate: 4-Bromofluorobenzene	60		"	62.5	95.7		84-114			

Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 01421579  
 Project: KMG - GEE 15C-25Hz

**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
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**Batch B6B0501 - EPA 5030B (Water)**

**LCS (B6B0501-BS1)**

Prepared: 02/05/2016 Analyzed: 02/08/2016

Benzene	46.8	1.0	ug/L	50.0		93.7	73.3-129			
Toluene	46.8	1.0	"	50.0		93.5	76.2-123			
Ethylbenzene	47.4	1.0	"	50.0		94.7	73.6-130			
m,p-Xylene	93.8	2.0	"	100		93.8	76.1-126			
o-Xylene	46.8	1.0	"	50.0		93.7	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	66		"	62.5		106	84-121			
Surrogate: Toluene-d8	64		"	62.5		103	85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.6	84-114			

Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 01421579  
 Project: KMG - GEE 15C-25Hz

**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
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Batch B6B0501 - EPA 5030B (Water)

Matrix Spike (B6B0501-MS1)	Source: X602051-03			Prepared: 02/05/2016 Analyzed: 02/08/2016						
Benzene	46.4	1.0	ug/L	50.0	ND	92.9	74-130			
Toluene	45.3	1.0	"	50.0	ND	90.6	73-131			
Ethylbenzene	45.3	1.0	"	50.0	ND	90.5	76-132			
m,p-Xylene	91.1	2.0	"	100	ND	91.1	69-139			
o-Xylene	45.1	1.0	"	50.0	ND	90.1	74-131			
Surrogate: 1,2-Dichloroethane-d4	72		"	62.5		114	84-121			
Surrogate: Toluene-d8	63		"	62.5		101	85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.6	84-114			

Origins Laboratory, Inc.



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

John Cocroft  
 Project Number: 01421579  
 Project: KMG - GEE 15C-25Hz

**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
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**Batch B6B0501 - EPA 5030B (Water)**

Matrix Spike Dup (B6B0501-MSD1)	Source: X602051-03			Prepared: 02/05/2016 Analyzed: 02/08/2016						
Benzene	40.0	1.0	ug/L	50.0	ND	79.9	74-130	15.0	20	
Toluene	38.9	1.0	"	50.0	ND	77.9	73-131	15.1	20	
Ethylbenzene	39.8	1.0	"	50.0	ND	79.6	76-132	12.9	20	
m,p-Xylene	79.9	2.0	"	100	ND	79.9	69-139	13.1	20	
o-Xylene	41.6	1.0	"	50.0	ND	83.2	74-131	7.99	20	
Surrogate: 1,2-Dichloroethane-d4	67		"	62.5		107	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.5	85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	84-114			

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

John Cocroft  
 Project Number: 01421579  
 Project: KMG - GEE 15C-25Hz

**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
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**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
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**Batch B6B0805 - EPA 3580**

**Blank (B6B0805-BLK1)**

Prepared: 02/08/2016 Analyzed: 02/08/2016

Gasoline (C6-C10)	ND	50	mg/kg							
Diesel (C10-C28)	ND	50	"							
Residual Range Organics (C28-C40)	ND	200	"							

Surrogate: o-Terphenyl 63.0 " 50.0 126 65-146

**LCS (B6B0805-BS1)**

Prepared: 02/08/2016 Analyzed: 02/08/2016

Gasoline (C6-C10)	1100	50	mg/kg	1000		113	66.7-119			
Diesel (C10-C28)	1000	50	"	1000		103	70.1-127			
Residual Range Organics (C28-C40)	1100	200	"	1000		105	54.5-139			

Surrogate: o-Terphenyl 55.0 " 50.0 110 65-146

**LCS Dup (B6B0805-BSD1)**

Prepared: 02/08/2016 Analyzed: 02/08/2016

Gasoline (C6-C10)	980	50	mg/kg	1000		97.7	66.7-119	14.7	28.2	
Diesel (C10-C28)	940	50	"	1000		94.0	70.1-127	9.19	19.1	
Residual Range Organics (C28-C40)	930	200	"	1000		92.9	54.5-139	12.6	21.2	

Surrogate: o-Terphenyl 49.6 " 50.0 99.1 65-146

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

John Cocroft  
Project Number: 01421579  
Project: KMG - GEE 15C-25Hz

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**Notes and Definitions**

U Sample is Non-Detect.

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

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.*

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Jen Pellegrini For Noelle Doyle Mathis, President