



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



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: 014216006.5
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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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

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

ORIGINS
LABORATORY, INC

www.originslaboratory.com

X601078

page 1 of 1

Client: LT Environmental
Address: 4600 W 60th Ave
Arvada CO 80003
Telephone Number: 303-433-9788
Email Address: KMG group

Project Manager: John Cocroft
Project Name: GEE 15C-25Hz
Project Number: 014216006.5
Samples Collected By: S. Strawn
APC contact: Sam LaRue

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 ₃	Other	Groundwater	Soil	Air Summa	Other	Conister #	
SW01	1/9/16	11:40	3	X									1
SW02	1/9/16	11:00	1	X									2
SW03	10/10	10:10	1	X									3
SW04	10/40	10:40	1	X									4
SW05	11/20	11:20	1	X									5
													6
													7
													8
													9
													10
Relinquished By: [Signature]	Date: 1/11/16	Time: 430		Received By: [Signature]				Date: 1/11/16	Time: 930	Turnaround Time: Same Day <input checked="" type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input type="checkbox"/>			
Relinquished By:	Date:	Time:		Received By:				Date:	Time:				

Date Results Needed

Temp Received: 4.2

Origins Laboratory, Inc.

Jefe Pellegrini

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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

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: JF Smith

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: (Describe)

Cooler Number/Temperature: 1 / 4.2 °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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc ₂ +NaOH)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HCL
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager)

Date/Time Reviewed

Origins Laboratory, Inc.

Jefe Pellegrini

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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.
4600 West 60th Avenue
Arvada CO 80003

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

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

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

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			"	"	"

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

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			

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

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

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

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

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

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

Batch 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				

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

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				

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

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.



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



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

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

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page 1 of 1

ORIGINS
LABORATORY, INC

Client: LT
Address: 4600 W 60th
Arvada CO
Telephone Number: 303-433-9708
Email Address: J.Cocroft@OriginsLab.com

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

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Soil	Air Summa Continer #	Other		
SW06	1/12/16	1446	3	X				X			BTE	1
SW07	1/12/16	1455	3	X				X				2
SW08	1/12/16	1505	3	X				X				3
SW09	1/12/16	1515	3	X				X				4
SW05	1/12/16	1520	3	X				X				5
SW04	1/12/16	1545	3	X				X				6
SW02	1/12/16	1555	3	X				X				7
SW01	1/12/16	1600	5	X				X				8
SW03	1/12/16	1615	3	X				X				9
												10
Requested By: <u>[Signature]</u>	Date: <u>1/12/16</u>	Time: <u>1710</u>						Received By: <u>[Signature]</u>	Date: <u>1/12/16</u>	Time: <u>1800</u>	Turnaround Time: Same Day <input checked="" type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input type="checkbox"/>	
Requested By: <u>[Signature]</u>	Date: <u>1/12/16</u>	Time: <u>1800</u>						Received By: <u>[Signature]</u>	Date: <u>1/12/16</u>	Time: <u>1800</u>		

Date Results Needed

Temp Received: 0.3

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: XLC11016

Client: LT Environmental

Client Project ID: KMG-GEE 15C-25Hz

Checklist Completed by: Joe Henderson

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

Date/time completed: 1/12/16 1806

Airbill #: AA

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

Cooler Number/Temperature: 1 / 0.5 °C 1 / 1 °C 1 / 1 °C (Describe)

Thermometer ID: T003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)(pH < 2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH > 10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Additional Comments (if any):				

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager)

01/13/16
Date/Time Reviewed

Origins Laboratory, Inc.

Joe Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
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.



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

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			"	"	"

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

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.



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

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.



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

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.



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

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.



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

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.



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

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.



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 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.



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 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.



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 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.



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 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 Dup (B6A1208-MSD1)		Source: X601106-08			Prepared: 01/12/2016 Analyzed: 01/12/2016					
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.



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

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.



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.



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

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.



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

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page 1 of 2

ORIGINS LABORATORY, INC

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

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

1725 EIK 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 ₃	Other	Groundwater	Soil	Air Summ #	Other	FTIR	GC	
SS01	11/13/16	1120	2	X				X				X		Hold SAC
SS02		1130	2	X				X				X		Hold SAC
SS03		1140	2	X				X				X		Hold SAC
SS04		1150	2	X				X				X		Hold SAC
SS05		1200	2	X				X				X		Hold SAC
SS06		1210	2	X				X				X		Hold SAC
SS07		1220	2	X				X				X		Hold SAC
SS08		1230	2	X				X				X		Hold SAC
SS09		1240	2	X				X				X		Hold SAC
SS10		1250	2	X				X				X		Hold SAC
Relinquished By: <u>RZ</u>	Date: <u>11/13/16</u>	Time: <u>1615</u>		Received By: <u>Jim Wender</u>				Date: <u>11/13/16</u>			Time: <u>1615</u>			Turnaround Time: Same Day <input checked="" type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input type="checkbox"/>
Relinquished By: <u>Jim Wender</u>	Date: <u>11/13/16</u>	Time: <u>1655</u>		Received By: <u>Jim Wender</u>				Date: <u>11/13/16</u>			Time: <u>1655</u>			

Temp Received: 11/13/16 Date Results Needed

Origins Laboratory, Inc.

Jefe Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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

ORIGINS

LABORATORY, INC

www.originslaboratory.com

X60111S

page 2 of 2

Client:

LFE

Project Manager:

Jotha Caruth

Address:

4600 W 6TH AVE
ARANDA CO 80003

Project Name:

GSE 15C-25HZ

Telephone Number:

303-433-9788

Project Number:

014210006

Email Address:

jcaruth@CTENV.COM

Samples Collected By:

RZ

ATTN: Sam Laue

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa #		
BG01	1/13/14	1410	2 X					X			TOP AI	1
SW10	1/13/16	1420	3 X					X			BTX * Run 2	2
												3
												4
												5
												6
												7
												8
												9
												10
Relinquished By: <i>[Signature]</i>	Date: 1/13/16	Time: 16:15	Received By: Jim Worden	Date: 1/13/16	Time: 16:15	Turnaround Time: Same Day <input checked="" type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/>						
Relinquished By: Jim Worden	Date: 1/13/16	Time: 16:55	Received By: <i>[Signature]</i>	Date: 1/13/16	Time: 16:55	Standard <input type="checkbox"/>						

Temp Received: h,h Date Results Needed

Origins Laboratory, Inc.

Jeff Pellipini

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

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: X601115

Client: LTE

Client Project ID: GEE 15C-25Hz

Checklist Completed by: Jeff Smith

Shipped Via: H/D

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

Date/time completed: 1/13/16

Airbill #: NA

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

(Describe)

Cooler Number/Temperature: 1 / 7.4 °C _____ / _____ °C _____ / _____ °C _____ / _____ °C

Thermometer ID: TU03

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input checked="" type="checkbox"/>			PH
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		<input checked="" type="checkbox"/>		
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH < 2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH > 10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)		<input checked="" type="checkbox"/>		
Additional Comments (if any):				

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) Jeff Smith

Date/Time Reviewed 1/13/16

Origins Laboratory, Inc.

Jen 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

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			"	"	"
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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			"	"	"
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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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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

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

Surrogate: o-Terphenyl	100 %	59-131			"	"	"
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GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	8.99	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	8.53		pH Units	1	B6A1305	01/13/2016	01/13/2016
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.0331		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

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

Surrogate: o-Terphenyl	117 %	59-131			"	"	"
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GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	21.4	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	8.40		pH Units	1	B6A1305	01/13/2016	01/13/2016
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.0368		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

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			"	"	"
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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			"	"	"
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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			"	"	"
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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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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

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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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

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			"	"	"
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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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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

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			

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 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 (B6A1201-MS1)		Source: X601092-01			Prepared: 01/12/2016 Analyzed: 01/13/2016					
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			

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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
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			

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)

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			

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)

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.
4600 West 60th Avenue
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
Batch B6A1305 - NO PREP										
Duplicate (B6A1305-DUP1)		Source: X601115-01			Prepared: 01/13/2016 Analyzed: 01/13/2016					
pH	7.93		pH Units		8.50			6.94	25	
Batch B6A1306 - NO PREP										
Blank (B6A1306-BLK1)		Prepared: 01/13/2016 Analyzed: 01/13/2016								
Specific Conductance (EC)	0.00260		mmhos/cm							
Duplicate (B6A1306-DUP1)		Source: X601115-01			Prepared: 01/13/2016 Analyzed: 01/13/2016					
Specific Conductance (EC)	0.0423		mmhos/cm		0.0399			5.84	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

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 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



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
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

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
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

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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page 1 of 5

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
Attn: Sam Lohr AFE#2687499

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa		
SS18	1/14/16	1300	2	X				X			X	Hold SAR
SS19		1305	1								X	
SS20		1310	1								X	
SS24		1315	1								X	
SS25		1320	1								X	
SS26		1325	1								X	
SS29		1330	1								X	
SS30		1340	1								X	
SS31		1345	1								X	
SS32		1350	1								X	
Relinquished By: [Signature]	Date: 1/14/16	Time: 1459		Received By: [Signature]				Date: 1/14/16	Time: 1637	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		
Relinquished By: [Signature]	Date: 1/14/16	Time: 1637		Received By: [Signature]				Date: 1/14/16	Time: 1637	Date Results Needed: 1/15/16 0800		

TPH is 0.20 DRD

Only

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

Origins Laboratory, Inc.

Jefe Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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

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

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page 2 of 5

ORIGINS LABORATORY, INC

Client: LITE

Address: 4600 W 60TH Ave

Telephone Number: 303-433-9788

Email Address: APC Team

Project Manager: J Cocroft

Project Name: GEE 15C-25Hz

Project Number: 014216006

Samples Collected By: KS ADJP

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 ₃	Other	Groundwater	Soil	Air Summa Canister #			
SS33	1/14/16	1355	2	X					X			GRX	Hold SAR
SS34		1400											
SS35		1405											
SS36		1410											
SS37		1415											
SS38		1420											
SS39		1425											
SS40		1430											
SS41		1435											
SS42		1440											
Relinquished By:	Date: 1/14/16	1437											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
Relinquished By:	Date:												

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, INC

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page 3 of 5

X601125

Client: LTE

Address: 4600 W 60TH Ave

Telephone Number: 303-433-9788

Email Address: APC Team

Project Manager: J. Cocroft

Project Name: Gee 15C-25Hz

Project Number: 014216006

Samples Collected By: KSADJP

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa		
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: [Signature]

Date: 1/14/16 1437

Received By: [Signature]

Date: 1/14/16 1637

Relinquished By: [Signature]

Date: 1/14/16 1437

Received By: [Signature]

Date: 1/14/16 1637

Turnaround Time: Same Day ☐ 24 Hr ☐ 48 Hr ☐ 72 Hr ☐ Standard ☒ 5-7

Date Results Needed: [Blank]

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

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page 4 of 5

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-25 Hz

Project Number: 014216006

Samples Collected By: KAP

Matrix: Soil

Preservative: Unpreserved

Analysis: GEE, FE, Pb, Zn

Sample Instructions: Hold SAR

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative	Matrix	Analysis	Sample Instructions
SS53	1/14/16	1535	2	X	Soil	X	Hold SAR
SS54	1/14/16	1540	1				
SS55	1/14/16	1545	1				
SS56	1/14/16	1550	1				
SS57	1/14/16	1555	1				
SS58	1/14/16	1400	1				
SS59	1/14/16	1405	1				
SS60	1/14/16	1410	1				
SS61	1/14/16	1415	1				
SS62	1/14/16	1420	1				

Relinquished By: [Signature]

Date: 1/14/16

Received By: [Signature]

Date: 1/14/16

Turnaround Time: Same Day ☒ 24 Hr ☐ 48 Hr ☐ 72 Hr ☐ Standard ☐

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

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

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page 5 of 5

X60112S

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

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions	
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa			Other
SS63	1/14/16	1425	2	X					X			X X X X Hold SAR	1
SS64	1/14/16	1430	2	X					X			X X X X	2
Soil	1/14/16	1445	3	X					X			X	3
													4
													5
													6
													7
													8
													9
													10

Relinquished By: [Signature]
Date: 1/14/16 Time: 1437

Relinquished By: [Signature]
Date: 1/14/16 Time: 1437

Received By: [Signature]
Date: 1/14/16 Time: 1437

Received By: [Signature]
Date: 1/14/16 Time: 1437

Turnaround Time:
Same Day ☐ 24 Hr ☐
48 Hr ☐ 72 Hr ☐
Standard ☐ 5-7

Date Results Needed

Origins Laboratory, Inc.

Jefe Pellegrini

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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 #: NA

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

Cooler Number/Temperature: 1 / 5.4 °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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)(pH < 2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH > 10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Jeff Smith
Reviewed by (Project Manager)

1/14/12
Date/Time Reviewed

Origins Laboratory, Inc.

Jen 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

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.



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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			"	"	"
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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.
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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			"	"	"
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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	0.011	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)	0.740		mmhos/cm	"	B6A1406	01/14/2016	01/14/2016
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Origins Laboratory, Inc.



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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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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			"	"	"
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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	0.020	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	7.54		pH Units	1	B6A1405	01/14/2016	01/14/2016
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.174		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	5.37	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	8.20		pH Units	1	B6A1405	01/14/2016	01/14/2016
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.512		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			"	"	"
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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			"	"	"
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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.



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

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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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

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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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

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			"	"	"
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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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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

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			"	"	"
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GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	7.47	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	8.71		pH Units	1	B6A1405	01/14/2016	01/14/2016
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.0607		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

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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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

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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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

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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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

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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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

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			"	"	"
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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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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

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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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

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			"	"	"
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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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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

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			"	"	"
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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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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

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			"	"	"
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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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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

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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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

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			"	"	"
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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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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

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			"	"	"
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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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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

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			"	"	"
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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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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

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			"	"	"
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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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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

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			"	"	"
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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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LT Environmental, Inc.
4600 West 60th Avenue
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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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

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			"	"	"
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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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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

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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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

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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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

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			"	"	"
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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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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

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	"	"	"	"	"

Surrogate: o-Terphenyl	79.1 %	59-131			"	"	"
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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	97.1 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	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			"	"	"
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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			"	"	"	

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
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			

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
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
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			

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)

Matrix Spike (B6A1304-MS1)		Source: X601113-08			Prepared: 01/13/2016 Analyzed: 01/14/2016					
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
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 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			

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)

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			

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
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			

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
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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John Cocroft
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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
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
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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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
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 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
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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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)

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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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)

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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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-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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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-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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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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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
Batch B6A1402 - EPA 3580										
LCS (B6A1402-BS2)					Prepared: 01/14/2016 Analyzed: 01/14/2016					
Surrogate: o-Terphenyl	42		mg/kg	50.0		84.2	59-131			
LCS (B6A1402-BS3)					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			
LCS Dup (B6A1402-BSD1)					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			
LCS Dup (B6A1402-BSD2)					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			
LCS Dup (B6A1402-BSD3)					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
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Batch B6A1405 - NO PREP

Duplicate (B6A1405-DUP1)		Source: X601125-01		Prepared: 01/14/2016 Analyzed: 01/14/2016						
pH	7.85		pH Units		7.88			0.381	25	
Duplicate (B6A1405-DUP2)		Source: X601125-02		Prepared: 01/14/2016 Analyzed: 01/14/2016						
pH	7.98		pH Units		7.94			0.503	25	
Duplicate (B6A1405-DUP3)		Source: X601125-03		Prepared: 01/14/2016 Analyzed: 01/14/2016						
pH	8.39		pH Units		8.44			0.594	25	

Batch B6A1406 - NO PREP

Blank (B6A1406-BLK1)		Prepared: 01/14/2016 Analyzed: 01/14/2016								
Specific Conductance (EC)	0.00270		mmhos/cm							
Blank (B6A1406-BLK2)		Prepared: 01/14/2016 Analyzed: 01/14/2016								
Specific Conductance (EC)	0.00240		mmhos/cm							
Blank (B6A1406-BLK3)		Prepared: 01/14/2016 Analyzed: 01/14/2016								
Specific Conductance (EC)	0.00270		mmhos/cm							
Duplicate (B6A1406-DUP1)		Source: X601125-01		Prepared: 01/14/2016 Analyzed: 01/14/2016						
Specific Conductance (EC)	0.168		mmhos/cm		0.164			2.77	25	
Duplicate (B6A1406-DUP2)		Source: X601125-02		Prepared: 01/14/2016 Analyzed: 01/14/2016						
Specific Conductance (EC)	0.435		mmhos/cm		0.427			1.86	25	
Duplicate (B6A1406-DUP3)		Source: X601125-03		Prepared: 01/14/2016 Analyzed: 01/14/2016						
Specific Conductance (EC)	0.111		mmhos/cm		0.114			3.01	25	

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

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

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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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



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
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.



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

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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page 1 of 2

ORIGINS LABORATORY, INC

Client: LTE

Address: 4600 W 60th AVE

Telephone Number: 303-433-9788

Email Address: ALL TEAM

Project Manager: JOHN COCROFT

Project Name: GEE 15C-25HZ

Project Number: 014216006

Samples Collected By: JP/RZ/KS

Attn: Sam LaRue

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis				Sample Instructions		
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	As Sampled	Other	CBTEX	TPH	PH		EC	SAR
SS-11	1/15/16	1520	2						X				X	X	X	X	11.21.15.16
SS-12	1/15/16	1525	1														
SS-13		1530															
SS-14		1535															
SS-15		1540															
SS-16		1545															
SS-17		1550															
SS-21		1555															
SS-22		1600															
SS-27		1605															
Relinquished By:	Date: 1/15/16	Time: 1727		Received By:				Received By:			Date: 1/15/16	Time: 1707	Turnaround Time: Same Day <input checked="" type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input type="checkbox"/>				

Temp Received: 0.4 Date Results Needed

Origins Laboratory, Inc.

Jefe Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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

ORIGINS

LABORATORY, INC

X601147

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page 2 of 2

Client: LTE
 Address: 4100 W 60TH AVE
AURORA CO 80013
 Telephone Number: 303-433-9700
 Email Address: TUCK@CITICOM

Project Manager: JAN COOKA
 Project Name: GEE SC-25HZ
 Project Number: 014210006
 Samples Collected by: Nick Allen (Custom Environmental)
Ryan Zorn, Tump Pike KS

Sample ID Description	Date Sampled	Time Sampled	# of Containers				Preservative				Matrix			Analysis				Sample Instructions	
							Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #	Other	GFACT	TAP/DRP	PIC		
S526	1/15/16	1610	2	x							y				y	x	x	HPD S&C	1
S523		1615	2	y							y				y	x	x	HPD S&C	2
S565		1620	4	y							x				y	x	x	HPD S&C	3
S560		1625	4	x							y				x	x	x	HPD S&C	4
SW12		1630	3	x							x							BTEX	5
SW13		1635	3	x							y							BTEX	6
SW14		1640	3	x							y							BTEX	7
SW15	V	1645	3	x							y							BTEX	8
																			9
																			10
Relinquished By:	Date: 1-15-16	Time: 4:09 PM	Received By: [Signature]			Date: 1/15/16	Time: 1:00 PM											Turnaround Time: Same Day <input checked="" type="checkbox"/> 24 Hr <input type="checkbox"/>	
Relinquished By: [Signature]	Date: 1-15-16	Time: 1:00	Received By: [Signature]			Date: 1/15/16	Time: 1:00											48 Hr <input type="checkbox"/> Standard <input type="checkbox"/>	

Temp Received: 1722 Date Results Needed: 1/15/16 9 AM
[Handwritten signature]

Origins Laboratory, Inc.

Jeje Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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

Date/time completed: 1/15/16

Airbill #: NA

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

Cooler Number/Temperature: 1 / 0.4 °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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PH
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water — is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager)

Date/Time Reviewed

Origins Laboratory, Inc.

Jen Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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			"	"	"
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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.



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

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			"	"	"
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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			"	"	"
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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.
4600 West 60th Avenue
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			"	"	"
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GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	6.55	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	8.16		pH Units	1	B6A1509	01/15/2016	01/15/2016
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.140		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)	2500	25	mg/kg	1	B6A1503	01/15/2016	01/17/2016
Residual Range Organics (C28-C36)	740	100	"	"	"	"	"

Surrogate: o-Terphenyl	79.7 %	59-131			"	"	"
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GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	85.0	5.00	mg/kg	25	B6A1504	01/15/2016	01/15/2016
Benzene	ND	0.050	"	"	"	"	"
Toluene	0.285	0.050	"	"	"	"	"
Ethylbenzene	0.246	0.050	"	"	"	"	"
Xylenes, total	3.10	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	7.98		pH Units	1	B6A1509	01/15/2016	01/15/2016
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.161		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)	2200	25	mg/kg	1	B6A1503	01/15/2016	01/17/2016
Residual Range Organics (C28-C36)	750	100	"	"	"	"	"

Surrogate: o-Terphenyl	82.9 %	59-131			"	"	"
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GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	7.94	0.200	mg/kg	1	B6A1504	01/15/2016	01/15/2016
Benzene	ND	0.002	"	"	"	"	"
Toluene	0.002	0.002	"	"	"	"	"
Ethylbenzene	0.008	0.002	"	"	"	"	"
Xylenes, total	0.166	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	8.11		pH Units	1	B6A1509	01/15/2016	01/15/2016
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.136		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			"	"	"
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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			"	"	"
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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)	330	25	mg/kg	1	B6A1503	01/15/2016	01/17/2016
Residual Range Organics (C28-C36)	120	100	"	"	"	"	"

Surrogate: o-Terphenyl	86.6 %	59-131			"	"	"
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GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	49.1	5.00	mg/kg	25	B6A1504	01/15/2016	01/15/2016
Benzene	ND	0.050	"	"	"	"	"
Toluene	0.066	0.050	"	"	"	"	"
Ethylbenzene	0.055	0.050	"	"	"	"	"
Xylenes, total	0.784	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	8.27		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

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			"	"	"
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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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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

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			"	"	"
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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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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

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			"	"	"
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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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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

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			"	"	"
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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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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

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			"	"	"
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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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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

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			"	"	"

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

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			"	"	"	

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

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			"	"	"	

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

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			"	"	"	

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
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
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)

Matrix Spike (B6A1501-MS1)		Source: X601120-06			Prepared: 01/15/2016 Analyzed: 01/15/2016					
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			

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 (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			

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 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			

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)

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
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			

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
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			

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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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

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

Classical Chemistry Parameters - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6A1509 - NO PREP										
Duplicate (B6A1509-DUP1)		Source: X601147-01			Prepared: 01/15/2016 Analyzed: 01/15/2016					
pH	8.12		pH Units		8.10			0.247	25	
Batch B6A1510 - NO PREP										
Blank (B6A1510-BLK1)		Prepared: 01/15/2016 Analyzed: 01/15/2016								
Specific Conductance (EC)	0.00300		mmhos/cm							
Duplicate (B6A1510-DUP1)		Source: X601147-01			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

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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



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
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 Project Manager: John Cocroft

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

Arvada CO 80003 Project Number: 014216006

Telephone Number: 303-433-9788 Samples Collected By: RZ

Email Address: Tcocroft@lteenv.com HT: Sam Gave

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions	
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #			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] Date: 1/18/16 Time: 1823

Relinquished By: [Signature] Date: 1/18/16 Time: 1823 Received By: [Signature] Date: 1/18/16 Time: 1823

Temp Received: 55° Date Results Needed

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

Origins Laboratory, Inc.

Jefe Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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: J. Pellegrini

Shipped Via: H/D

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

Date/time completed: 1/18/12 1721

Airbill #: 188

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

Cooler Number/Temperature: 1 / 5.5 °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 ⁽¹⁾ ?	<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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH < 2 for samples preserved with HNO ₃ , HCl, H ₂ SO ₄) / (pH > 10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager)

Date/Time Reviewed

Origins Laboratory, Inc.

Jefe Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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	"	"	"	"	"

Surrogate: o-Terphenyl	88.3 %	59-131			"	"	"
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GRO/TVPH by EPA 8260C

Gasoline Range Hydrocarbons	0.709	0.100	mg/kg	1	B6A1802	01/18/2016	01/18/2016
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Surrogate: 1,2-Dichloroethane-d4	112 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	97.7 %	70-130			"	"	"
Surrogate: Toluene-d8	101 %	70-130			"	"	"
Surrogate: Fluorobenzene	0.100 %	50-200			"	"	"
Surrogate: Chlorobenzene-d5	0.100 %	50-200			"	"	"
Surrogate: 1,4-Dichlorobenzene-d4	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	"	"	"	"	"

Surrogate: o-Terphenyl	73.1 %	59-131			"	"	"
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GRO/TVPH by EPA 8260C

Gasoline Range Hydrocarbons	0.204	0.100	mg/kg	1	B6A1802	01/18/2016	01/18/2016
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Surrogate: 1,2-Dichloroethane-d4	112 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	99.3 %	70-130			"	"	"
Surrogate: Toluene-d8	95.7 %	70-130			"	"	"
Surrogate: Fluorobenzene	0.100 %	50-200			"	"	"
Surrogate: Chlorobenzene-d5	0.100 %	50-200			"	"	"
Surrogate: 1,4-Dichlorobenzene-d4	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
Batch B6A1801 - EPA 3580										
Blank (B6A1801-BLK1)					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			
LCS (B6A1801-BS1)					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			
Matrix Spike (B6A1801-MS1)					Source: X601123-01		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			
Matrix Spike Dup (B6A1801-MSD1)					Source: X601123-01		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.



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

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.

Jen Pellegrini For Noelle Doyle Mathis, President

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

John Cocroft
Project Number: 01421579
Project: KMG - GEE 15C-25Hz

ORIGINS
LABORATORY, INC

www.originslaboratory.com

X602067

page 1 of 1

Client: LTE
Address: 4600 W 60th Ave
Arvada Co 80003
Telephone Number: 303-933-9788
Email Address: John.Cocroft@GEE-15C.COM

Project Manager: John Cocroft
Project Name: GEE 15C-25Hz
Project Number: 01421579
Samples Collected By: RZ
ATT: Sam Lake

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions	
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summ #			
SW07	2/8/16	0900	3	X				X				1	
SW08	2/8/16	0910	3	X				X				2	
SS08@ 3"	2/8/16	0950	1	X				X				3	TPH (Geo/Bio/Geo)
SS05@ 3"	2/8/16	1025	1	X				X				4	
SS04@ 3"	2/8/16	1055	1	X				X				5	
SS02@ 3"	2/8/16	1130	1	X				X				6	
												7	
												8	
												9	
												10	

Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Turnaround Time:
John Cocroft	2/8/16	1600	John Cocroft	2/8/16	1640	Same Day <input checked="" type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input type="checkbox"/>

Date Results Needed

Temp Received: 24°

Origins Laboratory, Inc.

Jefe Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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: 1602067

Client: LTE

Client Project ID: GEE 15C-25Hz

Checklist Completed by: J. Henderson

Shipped Via: HL

(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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) J. Henderson

Date/Time Reviewed 2/8/16

Origins Laboratory, Inc.

Jen Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

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
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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: 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			"	"	"
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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: 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			"	"	"
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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: 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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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
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.



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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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.



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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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.



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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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

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.

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