

February 14, 2014

LT Environmental, Inc.

John Cocroft

4600 West 60th Avenue

Arvada CO 80003

Project Name - KMG - Cannon 16C-3HZ Pad

Project Number - [none]

Attached are your analytical results for KMG - Cannon 16C-3HZ Pad received by Origins Laboratory, Inc. January 13, 2014. This project is associated with Origins project number X401111-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



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

John Cocroft
Project Number: [none]
Project: KMG - Cannon 16C-3HZ Pad

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Cannon1-3 On Pad	X401111-01	Soil	January 13, 2014 12:50	01/13/2014 15:10
Cannon1-3 Off (0A)	X401111-02	Soil	January 13, 2014 13:00	01/13/2014 15:10
Cannon1-3 Off (0B)	X401111-03	Soil	January 13, 2014 13:02	01/13/2014 15:10
Cannon1-3 Off (0C)	X401111-04	Soil	January 13, 2014 13:05	01/13/2014 15:10
Cannon1-3 Off (0D)	X401111-05	Soil	January 13, 2014 13:07	01/13/2014 15:10
Cannon1-3 Off Comp	X401111-06	Soil	January 13, 2014 13:13	01/13/2014 15:10

Origins Laboratory, Inc.



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Noelle Doyle Mathis, President

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

John Cocroft
 Project Number: [none]
 Project: KMG - Cannon 16C-3HZ Pad

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: X401111 Client: LTE
 Client Project ID: Cannon 1-342
 Checklist Completed by: Jeff Smith Shipped Via: H/D
 Date/time completed: 1/13/14 15:50 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Airbill #: NA
 Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____
 Cooler Number/Temperature: 149 °C / _____ °C / _____ °C (Describe)
 Thermometer ID: 1002

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"/>	Soil
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO3, HCL, H2SO4) / (pH >10 for samples preserved with NaAsO2+NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	Soil
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.

[Signature] Reviewed by (Project Manager) 1-21-14 2145 Date/Time Reviewed

Origins Laboratory, Inc.

[Signature]

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

John Cocroft
 Project Number: [none]
 Project: KMG - Cannon 16C-3HZ Pad

Cannon1-3 On Pad
1/13/2014 12:50:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X401111-01 (Soil)

BTEX by EPA 8260C

Benzene	ND	0.02	mg/kg	5	4A14006	01/14/2014	01/14/2014	
Toluene	ND	0.02	"	"	"	"	"	
Ethylbenzene	ND	0.02	"	"	"	"	"	
Xylenes, total	ND	0.02	"	"	"	"	"	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	128 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	110 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	108 %	70-130			"	"	"	

Conductance/Specific Conductance by EPA 120.1

Specific Conductance (EC)	0.602		mmhos/cm	1	4A16012	01/16/2014	01/17/2014	
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Metals by SW846 3050B/6010C

Arsenic	6.89	3.21	mg/kg dry	1	1359994	01/15/2014	01/16/2014	
Barium	1130	0.535	"	"	"	"	"	

pH by SW846 9045C/9045D

pH	8.36	0.100	SU	1	1360433		01/17/2014	H
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SAR Metals by SW846 3050B/6010C

Calcium	33800	26.7	mg/kg dry	1	1359994	01/15/2014	01/16/2014	
Magnesium	4430	32.1	"	"	"	"	"	

Origins Laboratory, Inc.



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

John Cocroft
Project Number: [none]
Project: KMG - Cannon 16C-3HZ Pad

Cannon1-3 On Pad
1/13/2014 12:50:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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GEL Laboratories, LLC
X401111-01 (Soil)

SAR Metals by SW846 3050B/6010C

Sodium	1070	26.7	mg/kg dry	1	1359994	01/15/2014	01/16/2014	
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Sodium Adsorption Ratio

Sodium Adsorption Ratio	1.45		none	1	1361171		01/20/2014	
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TCLP Metals by 1311/3010A/6010C As only

Arsenic	ND	0.300	mg/L	1	1360198	01/15/2014	01/20/2014	U
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TPH-Carbon Chain by EPA Method 8015C

Gasoline (C6-C10)	31.3	25.0	mg/kg	1	4A15009	01/15/2014	01/16/2014	
Diesel (C10-C28)	422	25.0	"	"	"	"	"	
Residual Range Organics (C28-C36)	67.5	50.0	"	"	"	"	"	

<i>Surrogate: o-Terphenyl</i>	115 %	59-131			"	"	"	
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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: [none]
Project: KMG - Cannon 16C-3HZ Pad

Cannon1-3 Off (0A)
1/13/2014 1:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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GEL Laboratories, LLC
X401111-02 (Soil)

Metals by SW846 3050B/6010C

Arsenic	2.50	3.18	mg/kg dry	1	1359994	01/15/2014	01/16/2014	J
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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: [none]
Project: KMG - Cannon 16C-3HZ Pad

Cannon1-3 Off (OB)
1/13/2014 1:02:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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GEL Laboratories, LLC
X401111-03 (Soil)

Metals by SW846 3050B/6010C

Arsenic	3.00	3.48	mg/kg dry	1	1359994	01/15/2014	01/16/2014	J
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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: [none]
Project: KMG - Cannon 16C-3HZ Pad

Cannon1-3 Off (OC)
1/13/2014 1:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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GEL Laboratories, LLC
X401111-04 (Soil)

Metals by SW846 3050B/6010C

Arsenic	3.86	3.33	mg/kg dry	1	1359994	01/15/2014	01/16/2014	
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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: [none]
Project: KMG - Cannon 16C-3HZ Pad

Cannon1-3 Off (OD)
1/13/2014 1:07:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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GEL Laboratories, LLC
X401111-05 (Soil)

Metals by SW846 3050B/6010C

Arsenic	3.44	3.03	mg/kg dry	1	1359994	01/15/2014	01/16/2014	
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 Arvada CO 80003

John Cocroft
 Project Number: [none]
 Project: KMG - Cannon 16C-3HZ Pad

Cannon1-3 Off Comp
1/13/2014 1:13:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X401111-06 (Soil)

Conductance/Specific Conductance by EPA 120.1

Specific Conductance (EC)	0.0490		mmhos/cm	1	4A16012	01/16/2014	01/17/2014	
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Metals by SW846 3050B/6010C

Arsenic	3.28	3.35	mg/kg dry	1	1359994	01/15/2014	01/16/2014	J
Barium	51.5	0.559	"	"	"	"	"	

pH by SW846 9045C/9045D

pH	6.96	0.100	SU	1	1360433		01/17/2014	H
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SAR Metals by SW846 3050B/6010C

Calcium	1990	27.9	mg/kg dry	1	1359994	01/15/2014	01/16/2014	
Magnesium	1160	33.5	"	"	"	"	"	
Sodium	21.1	27.9	"	"	"	"	01/17/2014	J

Sodium Adsorption Ratio

Sodium Adsorption Ratio	0.0929		none	1	1361171		01/20/2014	
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 Project: KMG - Cannon 16C-3HZ Pad

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 4A14006 - EPA 5030 (soil)

Blank (4A14006-BLK1)

Prepared: 01/14/2014 Analyzed: 01/14/2014

Benzene	ND	0.004	mg/kg							
Toluene	ND	0.004	"							
Ethylbenzene	ND	0.004	"							
Xylenes, total	ND	0.004	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>65</i>		<i>ug/kg</i>	<i>62.5</i>	<i>104</i>	<i>70-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>64</i>		<i>"</i>	<i>62.5</i>	<i>103</i>	<i>70-130</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>65</i>		<i>"</i>	<i>62.5</i>	<i>104</i>	<i>70-130</i>				

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 Arvada CO 80003

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 Project Number: [none]
 Project: KMG - Cannon 16C-3HZ Pad

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 4A14006 - EPA 5030 (soil)

LCS (4A14006-BS1)

Prepared: 01/14/2014 Analyzed: 01/14/2014

Benzene	0.2	0.004	mg/kg	0.200		87.0	70-130			
Toluene	0.2	0.004	"	0.200		92.5	70-130			
Ethylbenzene	0.2	0.004	"	0.200		91.2	70-130			
m,p-Xylene	0.4	0.008	"	0.400		103	70-130			
o-Xylene	0.2	0.004	"	0.200		93.2	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>66</i>		<i>ug/kg</i>	<i>62.5</i>		<i>105</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>63</i>		<i>"</i>	<i>62.5</i>		<i>101</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>63</i>		<i>"</i>	<i>62.5</i>		<i>101</i>	<i>70-130</i>			

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 Arvada CO 80003

John Cocroft
 Project Number: [none]
 Project: KMG - Cannon 16C-3HZ Pad

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 4A14006 - EPA 5030 (soil)

Matrix Spike (4A14006-MS1)	Source: X401118-01			Prepared: 01/14/2014 Analyzed: 01/14/2014						
Benzene	0.2	0.004	mg/kg	0.200	ND	90.5	70-130			
Toluene	0.2	0.004	"	0.200	ND	94.9	70-130			
Ethylbenzene	0.2	0.004	"	0.200	ND	89.6	70-130			
m,p-Xylene	0.4	0.008	"	0.400	ND	101	70-130			
o-Xylene	0.2	0.004	"	0.200	ND	91.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	66		ug/kg	62.5		105	70-130			
Surrogate: Toluene-d8	64		"	62.5		103	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.3	70-130			

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John Cocroft
 Project Number: [none]
 Project: KMG - Cannon 16C-3HZ Pad

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 4A14006 - EPA 5030 (soil)

Matrix Spike Dup (4A14006-MSD1)	Source: X401118-01			Prepared: 01/14/2014 Analyzed: 01/14/2014						
Benzene	0.2	0.004	mg/kg	0.200	ND	94.4	70-130	4.18	20	
Toluene	0.2	0.004	"	0.200	ND	99.5	70-130	4.77	20	
Ethylbenzene	0.2	0.004	"	0.200	ND	94.0	70-130	4.79	20	
m,p-Xylene	0.4	0.008	"	0.400	ND	103	70-130	2.11	20	
o-Xylene	0.2	0.004	"	0.200	ND	92.2	70-130	0.784	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>69</i>		<i>ug/kg</i>	<i>62.5</i>		<i>110</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>67</i>		<i>"</i>	<i>62.5</i>		<i>106</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>64</i>		<i>"</i>	<i>62.5</i>		<i>102</i>	<i>70-130</i>			

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

John Cocroft
 Project Number: [none]
 Project: KMG - Cannon 16C-3HZ Pad

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 8015M - 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 4A15009 - EPA 3580

Blank (4A15009-BLK1)

Prepared: 01/15/2014 Analyzed: 01/16/2014

Gasoline (C6-C10)	ND	25.0	mg/kg							
Diesel (C10-C28)	ND	25.0	"							
Residual Range Organics (C28-C36)	ND	50.0	"							
TPH - Carbon Chain Total	ND	25.0	"							

Surrogate: *o*-Terphenyl 63.9 g 50.0 128 59-131

Blank (4A15009-BLK2)

Prepared: 01/15/2014 Analyzed: 01/16/2014

Gasoline (C6-C10)	ND	25.0	mg/kg							
Diesel (C10-C28)	ND	25.0	"							
Residual Range Organics (C28-C36)	ND	50.0	"							
TPH - Carbon Chain Total	ND	25.0	"							

Surrogate: *o*-Terphenyl 51.6 g 50.0 103 59-131

LCS (4A15009-BS1)

Prepared: 01/15/2014 Analyzed: 01/16/2014

Gasoline (C6-C10)	536	25.0	mg/kg	500		107	59-133			
Diesel (C10-C28)	583	25.0	"	500		117	64-121			
Residual Range Organics (C28-C36)	404	50.0	"	500		80.7	58-124			

Surrogate: *o*-Terphenyl 60.9 g 50.0 122 59-131

LCS (4A15009-BS2)

Prepared: 01/15/2014 Analyzed: 01/16/2014

Gasoline (C6-C10)	471	25.0	mg/kg	500		94.1	59-133			
Diesel (C10-C28)	517	25.0	"	500		103	64-121			

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

John Cocroft
 Project Number: [none]
 Project: KMG - Cannon 16C-3HZ Pad

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4A15009 - EPA 3580										
LCS (4A15009-BS2)					Prepared: 01/15/2014 Analyzed: 01/16/2014					
Residual Range Organics (C28-C36)	426	50.0	mg/kg	500		85.2	58-124			
<i>Surrogate: o-Terphenyl</i>	<i>60.9</i>		<i>g</i>	<i>50.0</i>		<i>122</i>	<i>59-131</i>			
Matrix Spike (4A15009-MS1)		Source: X401089-01			Prepared: 01/15/2014 Analyzed: 01/16/2014					
Gasoline (C6-C10)	496	25.0	mg/kg	500	18.1	95.6	57-139			
Diesel (C10-C28)	531	25.0	"	500	52.0	95.8	53-125			
Residual Range Organics (C28-C36)	392	50.0	"	500	63.5	65.7	47-133			
<i>Surrogate: o-Terphenyl</i>	<i>59.2</i>		<i>g</i>	<i>50.0</i>		<i>118</i>	<i>59-131</i>			
Matrix Spike (4A15009-MS2)		Source: X401088-01			Prepared: 01/15/2014 Analyzed: 01/16/2014					
Gasoline (C6-C10)	535	25.0	mg/kg	500	8.7	105	57-139			
Diesel (C10-C28)	570	25.0	"	500	9.8	112	53-125			
Residual Range Organics (C28-C36)	429	50.0	"	500	69.5	72.0	47-133			
<i>Surrogate: o-Terphenyl</i>	<i>61.8</i>		<i>g</i>	<i>50.0</i>		<i>124</i>	<i>59-131</i>			
Matrix Spike Dup (4A15009-MSD1)		Source: X401089-01			Prepared: 01/15/2014 Analyzed: 01/16/2014					
Gasoline (C6-C10)	540	25.0	mg/kg	500	18.1	104	57-139	8.55	20	
Diesel (C10-C28)	579	25.0	"	500	52.0	105	53-125	8.60	20	
Residual Range Organics (C28-C36)	423	50.0	"	500	63.5	71.8	47-133	7.53	20	
<i>Surrogate: o-Terphenyl</i>	<i>62.9</i>		<i>g</i>	<i>50.0</i>		<i>126</i>	<i>59-131</i>			
Matrix Spike Dup (4A15009-MSD2)		Source: X401088-01			Prepared: 01/15/2014 Analyzed: 01/16/2014					
Gasoline (C6-C10)	551	25.0	mg/kg	500	8.7	109	57-139	3.06	20	
Diesel (C10-C28)	587	25.0	"	500	9.8	115	53-125	2.89	20	
Residual Range Organics (C28-C36)	441	50.0	"	500	69.5	74.4	47-133	2.78	20	
<i>Surrogate: o-Terphenyl</i>	<i>89.9</i>		<i>g</i>	<i>50.0</i>		<i>180</i>	<i>59-131</i>			

Origins Laboratory, Inc.



Noelle Doyle Mathis, President

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

John Cocroft
 Project Number: [none]
 Project: KMG - Cannon 16C-3HZ Pad

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 4A16012 - NO PREP										
Blank (4A16012-BLK1)					Prepared: 01/16/2014 Analyzed: 01/17/2014					
Specific Conductance (EC)	0.00210		mmhos/cm							
Blank (4A16012-BLK2)					Prepared: 01/16/2014 Analyzed: 01/17/2014					
Specific Conductance (EC)	0.00220		mmhos/cm							
Duplicate (4A16012-DUP1)		Source: X401127-01			Prepared: 01/16/2014 Analyzed: 01/17/2014					
Specific Conductance (EC)	0.339		mmhos/cm		0.353			4.05	10	
Duplicate (4A16012-DUP2)		Source: X401127-02			Prepared: 01/16/2014 Analyzed: 01/17/2014					
Specific Conductance (EC)	0.262		mmhos/cm		0.244			7.11	10	

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1359994 - SW846 3050B										
BLANK (1203019016-BLK)					Prepared: 01/15/2014 Analyzed: 01/16/2014					
Arsenic	ND	2.94	mg/kg		0		-			U
Barium	ND	0.490	"		0		-			U
LCS (1203019017-BKS)					Prepared: 01/15/2014 Analyzed: 01/16/2014					
Arsenic	48.8	2.98	mg/kg	49.7	0	98.3	80-120			
Barium	49.2	0.497	"	49.7	0	99.1	80-120			
DUP (1203019018 D)		Source: 341258001			Prepared: 01/15/2014 Analyzed: 01/17/2014					
Arsenic	2.34	3.15	mg/kg dry		2.85		0-20	19.8	20	J
Barium	55.2	0.526	"		57.4		0-20	3.90	20	
MS (1203019019 S)		Source: 341258001			Prepared: 01/15/2014 Analyzed: 01/17/2014					
Arsenic	55.8	3.03	mg/kg dry	50.6	2.85	105	75-125			
Barium	152	0.506	"	50.6	57.4	187	75-125			
PS (1203020478 S)		Source: 341258001			Prepared: Analyzed: 01/16/2014					
Barium	1.10	0.00528	mg/kg dry	500	57.4	96	80-120			

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LT Environmental, Inc.
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 Arvada CO 80003

John Cocroft
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 Project: KMG - Cannon 16C-3HZ Pad

pH by SW846 9045C/9045D - Quality Control
GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1360433 -										
DUP (1203020003 D)		Source: X401111-01			Prepared: Analyzed: 01/17/2014					
pH	7.98	0.100	SU		8.36		0-10	4.65	10	H
DUP (1203020004 D)		Source: 341264001			Prepared: Analyzed: 01/17/2014					
pH	8.12	0.100	SU		8.14		0-10	0.246	10	H
LCS (1203020005-BKS)		Prepared: Analyzed: 01/17/2014								
pH	6.98	0.100	SU	7.00	0	99.7	99-101			

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John Cocroft
 Project Number: [none]
 Project: KMG - Cannon 16C-3HZ Pad

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1360198 - SW846 3010A										
MS (1203018815 S)										
			Source: X401111-01		Prepared: 01/15/2014 Analyzed: 01/20/2014					
Arsenic	6.15	0.300	mg/L	5.00	<0.050	123	75-125			
TB (1203018816-BLK)										
					Prepared: 01/15/2014 Analyzed: 01/20/2014					
Arsenic	ND	0.300	mg/L		0		-			U
TB (1203019224-BLK)										
					Prepared: 01/15/2014 Analyzed: 01/20/2014					
Arsenic	ND	0.300	mg/L		0		-			U
BLANK (1203019416-BLK)										
					Prepared: 01/15/2014 Analyzed: 01/20/2014					
Arsenic	ND	0.300	mg/L		0		-			U
LCS (1203019417-BKS)										
					Prepared: 01/15/2014 Analyzed: 01/20/2014					
Arsenic	4.46	0.300	mg/L	5.00	0	89.3	80-120			
DUP (1203019418 D)										
			Source: X401111-01		Prepared: 01/15/2014 Analyzed: 01/20/2014					
Arsenic	ND	0.300	mg/L		<0.050		0-20	37.3	20	U

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John Cocroft
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Project: KMG - Cannon 16C-3HZ Pad

Notes and Definitions

- U Result not detected above the detection limit
- J Greater than the detection limit but less than the reporting limit
- H Holding time exceeded
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference

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