

March 26, 2015

LT Environmental, Inc.

John Cocroft

4600 West 60th Avenue

Arvada CO 80003

Project Name - KMG - Burkhardt 34N-3HZ

Project Number - [none]

Attached are your analytical results for KMG - Burkhardt 34N-3HZ received by Origins Laboratory, Inc. March 26, 2015. This project is associated with Origins project number X503336-01.

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



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Arvada CO 80003

John Cocroft  
Project Number: [none]  
Project: KMG - Burkhardt 34N-3HZ

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS05 @ 6"	X503336-01	Soil	March 25, 2015 9:35	03/26/2015 08:15

Origins Laboratory, Inc.



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Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: XS03336

Client: LTE

Client Project ID: Burkhardt

Checklist Completed by: Jen Pellegrini

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

Date/time completed: 3/26/15

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 4.4 °C \_\_\_\_\_ / \_\_\_\_\_ °C \_\_\_\_\_ / \_\_\_\_\_ °C (Describe)

Thermometer ID: T003

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

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

Jen Pellegrini  
 Reviewed by (Project Manager)

3/26/15  
 Date/Time Reviewed

Origins Laboratory, Inc.



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**SS05 @ 6"**

**3/25/2015 9:35:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X503336-01 (Soil)**

**TPH-Carbon Chain by EPA Method 8015C**

Gasoline (C6-C10)	ND	50	mg/kg	1	5C26005	03/26/2015	03/26/2015	
Diesel (C10-C28)	ND	50	"	"	"	"	"	
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"	
Surrogate: o-Terphenyl	102 %	65-146			"	"	"	

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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
<b>Batch 5C26005 - EPA 3580</b>										
<b>Blank (5C26005-BLK1)</b>										
					Prepared: 03/26/2015 Analyzed: 03/26/2015					
Gasoline (C6-C10)	ND	50	mg/kg							
Diesel (C10-C28)	ND	50	"							
Residual Range Organics (C28-C36)	ND	200	"							
Surrogate: o-Terphenyl	53.2		"	50.0		106	65-146			
<b>LCS (5C26005-BS1)</b>										
					Prepared: 03/26/2015 Analyzed: 03/26/2015					
Gasoline (C6-C10)	1100	50	mg/kg	1000		108	66.7-119			
Diesel (C10-C28)	1000	50	"				70.1-127			
Residual Range Organics (C28-C36)	1100	200	"	1000		113	54.5-139			
Surrogate: o-Terphenyl	47.7		"	50.0		95.3	65-146			
<b>Matrix Spike (5C26005-MS1)</b>										
		<b>Source: X503336-01</b>			Prepared: 03/26/2015 Analyzed: 03/26/2015					
Gasoline (C6-C10)	1100	50	mg/kg	1000	20	105	56.4-132			
Diesel (C10-C28)	1100	50	"		22		57.4-138			
Residual Range Organics (C28-C36)	1100	200	"	1000	17	113	47.7-129			
Surrogate: o-Terphenyl	47.1		"	50.0		94.2	65-146			
<b>Matrix Spike Dup (5C26005-MSD1)</b>										
		<b>Source: X503336-01</b>			Prepared: 03/26/2015 Analyzed: 03/26/2015					
Gasoline (C6-C10)	1100	50	mg/kg	1000	20	104	56.4-132	0.660	22	
Diesel (C10-C28)	1100	50	"		22		57.4-138	0.281	18.3	
Residual Range Organics (C28-C36)	1100	200	"	1000	17	113	47.7-129	0.0278	30.1	
Surrogate: o-Terphenyl	46.7		"	50.0		93.4	65-146			

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### Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

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Jen Pellegrini For Noelle Doyle Mathis, President