

**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
**DRAGOON COMPRESSOR STATION**  
**ARAPAHOE COUNTY, COLORADO**  
**KERR-MCGEE GATHERING, LLC**

COGCC Allowable Concentration (Soil) -->				Organics (mg/kg)									
Sample ID:	Sample Date:	Sample Depth (feet bgs):	Photoluminescence Detector Reading (ppm):	500			0.17	85	100	175	23	4	(6-9)
				TPH-GRO (C6-C10) Low Fraction	TPH-DRO (C10-C28) High Fraction	TPH-RRO (C28-C40) High Fraction	Benzene	Toluene	Ethylbenzene	Xylenes - total	Naphthalene	EC (<4 mmhos/cm or 2x background)	pH (unit)
SB01@20'	02/27/2019	20'	87.3	<5.00	<25.0	<100	<0.050	<0.050	<0.050	<0.050	NA	0.164	8.25
SB01@44'	02/27/2019	44'	1447	22.5	<25.0	<100	<0.050	<0.050	<0.050	0.222	NA	0.0439	8.37
SB03@7'	02/27/2019	7'	537.7	<b>707</b>	<b>10400</b>	<b>79800</b>	<b>3.64</b>	0.402	0.882	3.30	NA	0.932	6.68
SB04@1'	02/27/2019	1'	186.3	<b>12.6</b>	<b>299</b>	<b>2480</b>	<0.050	<0.050	<0.050	<0.050	NA	0.117	7.70
SB02@18'	03/01/2019	18'	1.5	<0.200	<25.0	<100	<0.002	<0.002	<0.002	<0.002	NA	0.0352	8.25
SB02@36'	03/01/2019	36'	49.6	<0.200	<25.0	<100	<0.002	<0.002	<0.002	<0.002	NA	0.0370	8.53
SB03@24'	03/01/2019	24'	1356	<b>779</b>	<b>812</b>	<b>9290</b>	<b>1.70</b>	<0.050	6.48	32.1	NA	0.0157	8.42
SB03@34'	03/01/2019	34'	720.3	<b>17.5</b>	<b>58.8</b>	<b>610</b>	0.071	<0.050	0.081	0.410	NA	0.0497	8.25
SB04@14'	03/01/2019	14'	86.3	<5.00	<25.0	<100	<b>0.240</b>	<0.050	<0.050	<0.050	NA	0.0912	7.82
SB04@40'	03/01/2019	40'	100.9	<5.00	<25.0	<100	<0.050	<0.050	<0.050	<0.050	NA	0.0324	8.21
SB05@3'	03/01/2019	3'	450.4	<b>485</b>	<b>876</b>	<b>10500</b>	<b>0.562</b>	<0.050	0.308	2.72	NA	0.191	7.82
SB06@1'	03/01/2019	1'	0.3	5.70	<25.0	181	<0.050	<0.050	<0.050	<0.050	NA	0.144	7.87
SB07@3'	03/01/2019	3'	119.7	41.3	<25.0	<100	<0.050	<0.050	<0.050	<0.050	NA	0.162	7.81
SB08@6'	03/01/2019	6'	20.7	9.39	<25.0	<100	<0.050	<0.050	<0.050	<0.050	NA	0.131	7.63
SB05@20'	03/05/2019	20'	33.1	<0.200	<25.0	<100	<0.002	<0.002	<0.002	<0.002	NA	0.0167	<b>9.07 †</b>
SB05@40'	03/05/2019	40'	80.1	<0.200	<25.0	<100	<0.002	<0.002	<0.002	<0.002	NA	0.0222	<b>9.02 †</b>
SB06@40'	03/05/2019	40'	23.8	<0.200	<25.0	<100	<0.002	<0.002	<0.002	<0.002	NA	0.0230	8.80
SB07@40'	03/05/2019	40'	44.0	<0.200	<25.0	<100	<0.002	<0.002	<0.002	<0.002	NA	0.0200	8.86
SB08@40'	03/05/2019	40'	79.7	<0.200	<25.0	<100	<0.002	<0.002	<0.002	<0.002	NA	0.0248	8.88
SB09@2'	05/13/2020	2'	133.3	<5.00	<25.0	<100	<0.050	<0.050	<0.050	<0.050	<0.200	NA	NA
SB11@32'	05/13/2020	32'	57.1	<5.00	<25.0	<100	<0.050	<0.050	<0.050	<0.050	<0.200	NA	NA



**TABLE 1 (Continued)**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
**DRAGOON COMPRESSOR STATION**  
**ARAPAHOE COUNTY, COLORADO**  
**KERR-MCGEE GATHERING, LLC**

				Organics (mg/kg)										
COGCC Allowable Concentration (Soil) -->				500			0.17	85	100	175	23	4	(6-9)	
Sample ID:	Sample Date:	Sample Depth (feet bgs):	Photoionization Detector Reading (ppm):	TPH-GRO (C6-C10) Low Fraction	TPH-DRO (C10-C28) High Fraction	TPH-RRO (C28-C40) High Fraction	Benzene	Toluene	Ethylbenzene	Xylenes - total	Naphthalene	EC (<4 mmhos/cm or 2x background)	pH (unit)	
SB12@12'	05/13/2020	12'	59.2	<5.00	<25.0	<100	<0.050	<0.050	<0.050	<0.050	<0.200	NA	NA	
SB10@32'	05/14/2020	32'	312	9.52	112	<100	<0.050	<0.050	<0.050	0.248	<0.200	NA	NA	
SB13@36'	05/14/2020	36'	16.8	<5.00	<25.0	<100	<0.050	<0.050	<0.050	<0.050	<0.200	NA	NA	
SB14@26'	05/14/2020	26'	2712	641	598	2170	<0.050	0.112	3.87	27.6	1.24	NA	NA	
SB14@43.5'	05/14/2020	43.5'	1410	1220	NA	NA	0.164	5.87	9.05	48.0	1.13	NA	NA	
SB15@42'	05/15/2020	42'	1492	255	104	316	0.074	<0.050	1.69	9.75	0.374	NA	NA	
SB15@47'	05/15/2020	47'	1088	101	91.3	347	<0.050	0.206	0.418	2.57	<0.200	NA	NA	
SB16@33'	05/15/2020	33'	102.1	<5.00	78.7	<100	<0.050	<0.050	<0.050	<0.050	<0.200	NA	NA	
SB15R@54'	08/17/2020	54'	1566	17.7	<25.0	<100	<0.0500	<0.0500	<0.0500	<0.0500	NA	NA	NA	
SB15R@55'	08/17/2020	55'	2162	38.4	56.5	282	<0.0500	<0.0500	<0.0500	<0.0500	NA	NA	NA	
SB17@49.5'	08/17/2020	49.5'	175.0	<5.00	<25.0	<100	<0.0500	<0.0500	<0.0500	<0.0500	NA	NA	NA	
SB17@55'	08/17/2020	55'	26.6	<5.00	<25.0	<100	<0.0500	<0.0500	<0.0500	<0.0500	NA	NA	NA	
SS15R@54'	08/17/2020	54'	NA	17.7	<25.0	<100	<0.0500	<0.0500	<0.0500	<0.0500	NA	NA	NA	
SS15R@55'	08/17/2020	55'	NA	38.4	56.5	282	<0.0500	<0.0500	<0.0500	<0.0500	NA	NA	NA	
SS17@49.5'	08/17/2020	49.5'	NA	<5.00	<25.0	<100	<0.0500	<0.0500	<0.0500	<0.0500	NA	NA	NA	
SS17@55'	08/17/2020	55'	NA	<5.00	<25.0	<100	<0.0500	<0.0500	<0.0500	<0.0500	NA	NA	NA	
SB03R@47'	08/18/2020	47'	146.0	<5.00	<25.0	<100	<0.0500	<0.0500	<0.0500	<0.0500	NA	NA	NA	
SB03R@50'	08/18/2020	50'	56.2	<5.00	<25.0	<100	<0.0500	<0.0500	<0.0500	<0.0500	NA	NA	NA	
SB14R@44'	08/18/2020	44'	1997	82.5	71.8	191	<0.0500	<0.0500	0.0745	0.527	NA	NA	NA	
SB14R@55.5'	08/18/2020	55.5'	1797	943	124	312	0.144	3.20	2.36	14.2	NA	NA	NA	
SB19@45'	08/18/2020	45'	58.6	<5.00	<25.0	<100	<0.0500	<0.0500	<0.0500	<0.0500	NA	NA	NA	



**TABLE 1 (Continued)**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
**DRAGOON COMPRESSOR STATION**  
**ARAPAHOE COUNTY, COLORADO**  
**KERR-MCGEE GATHERING, LLC**

				Organics (mg/kg)									
COGCC Allowable Concentration (Soil) -->				500			0.17	85	100	175	23	4	(6-9)
Sample ID:	Sample Date:	Sample Depth (feet bgs):	Photoionization Detector Reading (ppm):	TPH-GRO (C6-C10) Low Fraction	TPH-DRO (C10-C28) High Fraction	TPH-RRO (C28-C40) High Fraction	Benzene	Toluene	Ethylbenzene	Xylenes - total	Naphthalene	EC (<4 mmhos/cm or 2x background)	pH (unit)
SB19@50'	08/18/2020	50'	13.4	<5.00	<25.0	<100	<0.0500	<0.0500	<0.0500	<0.0500	NA	NA	NA

Notes: mg/kg - milligrams per kilogram  
COGCC - Colorado Oil and Gas Conservation Commission  
bgs - below ground surface  
ppm - parts per million  
TPH - total petroleum hydrocarbons  
GRO - gasoline range organics

DRO - diesel range organics  
RRO - residual range organics  
EC - Specific Conductance  
mmhos/cm - millimhos per centimeter  
NA - not analyzed  
**Bold** indicates result exceeds allowable level  
† - Sample was collected at a depth greater than 3 feet bgs





February 28, 2019

LT Environmental, Inc.

Brian Sulzberger

4600 West 60th Avenue

Arvada

CO 80003

**Project Name - KMG - Dragoon Compressor  
Station**

**Project Number - 014219024**

Attached are your analytical results for KMG - Dragoon Compressor Station received by Origins Laboratory, Inc. February 27, 2019. This project is associated with Origins project number Y902372-01.

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB03@7'	Y902372-01	Soil	February 27, 2019 11:20	02/27/2019 17:05
SB04@1'	Y902372-02	Soil	February 27, 2019 11:50	02/27/2019 17:05
SB01@20'	Y902372-03	Soil	February 27, 2019 12:50	02/27/2019 17:05
SB01@44'	Y902372-04	Soil	February 27, 2019 14:25	02/27/2019 17:05

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

**ORIGINS** LABORATORY, INC

Client: LT Environmental  
Address: 4600 W 60th Ave  
Arvada, CO 80003  
Telephone Number: 303 433 9788  
Email Address: bsulzberger@lt-

Project Manager: Brian Sulzberger  
Project Name: Dragoon Compressor Station  
Project Number: 014219024  
Samples Collected By: Daniel Thomas

www.originslaboratory.com

page 1 of 1

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis			Sample Instructions			
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Air Summa #	Other	GB/EK	101		111	112	
SB0307	1120	2:27-19	3														
SB0401	1150	↓	3														
SB0100	1250	↓	3														
SB0104	1425	↓	3														
Relinquished By: <i>[Signature]</i>	Date: 2-27-19	Time: 1705															
Relinquished By: <i>[Signature]</i>	Date:	Time:															

Temp Received: 8.3

Date Results Needed

Origins Laboratory, Inc.

*Jefe Pellegrini*

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

Origins Laboratory

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

### Sample Receipt Checklist

Origins Work Order: Y902372

Client: LTE

Client Project ID: KMG - Dragoon Compressor Station

Checklist Completed by: JG

Shipped Via: HD

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

Date/time completed: 2/27/2019

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 8.3 °C \_\_\_\_\_ / \_\_\_\_\_ °C \_\_\_\_\_ / \_\_\_\_\_ °C \_\_\_\_\_ / \_\_\_\_\_ °C (Describe)

Thermometer ID: T003

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

Reviewed by (Project Manager) [Signature]

Date/Time Reviewed 2/27/19

Origins Laboratory, Inc.

Jefe Pellegrini

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

SB03@7'

2/27/2019 11:20:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y902372-01 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	10400	500	mg/kg	20	B9B2703	KDK	02/27/2019	02/27/2019	
Residual Range Organics (C28-C40)	79800	2000	"	"	"	KDK	"	"	

Surrogate: o-Terphenyl	338 %	59-131			"	"		"	S-06, S-DUP
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**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	707	50.0	mg/kg	250	B9B2702	KDK	"	02/27/2019	
Benzene	3.64	0.050	"	25	"	KDK	"	"	
Toluene	0.402	0.050	"	"	"	KDK	"	"	
Ethylbenzene	0.882	0.050	"	"	"	KDK	"	"	
Xylenes, total	3.30	0.050	"	"	"	KDK	"	"	

Surrogate: 1,2-Dichloroethane-d4	102 %	70-130			"	"		"	
Surrogate: Toluene-d8	90.4 %	70-130			"	"		"	
Surrogate: 4-Bromofluorobenzene	105 %	70-130			"	"		"	

**pH in Soil by EPA 9045D**

pH	6.68		pH Units	1	B9B2705	OLAB	"	02/27/2019	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.932	0.00507	mmhos/cm	"	B9B2706	OLAB	"	"	
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Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

SB04@1'

2/27/2019 11:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y902372-02 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	299	250	mg/kg	10	B9B2703	KDK	02/27/2019	02/27/2019	
Residual Range Organics (C28-C40)	2480	1000	"	"	"	KDK	"	"	

Surrogate: o-Terphenyl 121 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	12.6	5.00	mg/kg	25	B9B2702	KDK	"	02/27/2019	
Benzene	ND	0.050	"	"	"	KDK	"	"	U
Toluene	ND	0.050	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.050	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.050	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4 95.5 % 70-130 " " "  
Surrogate: Toluene-d8 99.6 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 100 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	7.70		pH Units	1	B9B2705	OLAB	"	02/27/2019	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.117	0.00500	mmhos/cm	"	B9B2706	OLAB	"	"	
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Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

SB01@20'

2/27/2019 12:50:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y902372-03 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B9B2703	KDK	02/27/2019	02/27/2019	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	KDK	"	"	U

Surrogate: o-Terphenyl 104 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	5.00	mg/kg	25	B9B2702	KDK	"	02/27/2019	U
Benzene	ND	0.050	"	"	"	KDK	"	"	U
Toluene	ND	0.050	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.050	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.050	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4 90.7 % 70-130 " " "  
Surrogate: Toluene-d8 99.9 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 98.8 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.25		pH Units	1	B9B2705	OLAB	"	02/27/2019	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.164	0.00500	mmhos/cm	"	B9B2706	OLAB	"	"	
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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

SB01@44'

2/27/2019 2:25:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y902372-04 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B9B2703	KDK	02/27/2019	02/27/2019	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	KDK	"	"	U

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

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	22.5	5.00	mg/kg	25	B9B2702	KDK	"	02/27/2019	
Benzene	ND	0.050	"	"	"	KDK	"	"	U
Toluene	ND	0.050	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.050	"	"	"	KDK	"	"	U
Xylenes, total	0.222	0.050	"	"	"	KDK	"	"	

Surrogate: 1,2-Dichloroethane-d4 95.1 % 70-130 " " "  
Surrogate: Toluene-d8 98.9 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 99.1 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.37		pH Units	1	B9B2705	OLAB	"	02/27/2019	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0439	0.00500	mmhos/cm	"	B9B2706	OLAB	"	"	
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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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

**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
<b>Batch B9B2702 - EPA 5030 (soil)</b>										
<b>Blank (B9B2702-BLK1)</b>					Prepared: 02/27/2019 Analyzed: 02/27/2019					
Gasoline Range Hydrocarbons	ND	0.200	mg/kg							U
Benzene	ND	0.002	"							U
Toluene	ND	0.002	"							U
Ethylbenzene	ND	0.002	"							U
Xylenes, total	ND	0.002	"							U
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		100	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.4	70-130			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

**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 B9B2702 - EPA 5030 (soil)										
LCS (B9B2702-BS1)					Prepared: 02/27/2019 Analyzed: 02/27/2019					
Benzene	0.104	0.002	mg/kg	0.100		104	77.1-124			
Toluene	0.099	0.002	"	0.100		99.0	74.5-128			
Ethylbenzene	0.106	0.002	"	0.100		106	66.4-127			
m,p-Xylene	0.211	0.004	"	0.200		106	76.6-124			
o-Xylene	0.110	0.002	"	0.100		110	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		99.5	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

**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 B9B2702 - EPA 5030 (soil)**

Matrix Spike (B9B2702-MS1)		Source: Y902357-01			Prepared: 02/27/2019 Analyzed: 02/27/2019					
Benzene	0.094	0.002	mg/kg	0.100	ND	94.1	71.8-126			
Toluene	0.089	0.002	"	0.100	ND	89.5	65.1-130			
Ethylbenzene	0.102	0.002	"	0.100	ND	102	62.2-130			
m,p-Xylene	0.211	0.004	"	0.200	0.007	102	46.5-137			
o-Xylene	0.109	0.002	"	0.100	0.0005	108	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		101	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		114	70-130			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

**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 B9B2702 - EPA 5030 (soil)**

Matrix Spike Dup (B9B2702-MSD1)		Source: Y902357-01			Prepared: 02/27/2019 Analyzed: 02/27/2019					
Benzene	0.113	0.002	mg/kg	0.100	ND	113	71.8-126	18.4	11.3	QR-02
Toluene	0.106	0.002	"	0.100	ND	106	65.1-130	16.8	15.4	QR-02
Ethylbenzene	0.112	0.002	"	0.100	ND	112	62.2-130	9.44	19.6	
m,p-Xylene	0.224	0.004	"	0.200	0.007	108	46.5-137	5.81	19.2	
o-Xylene	0.119	0.002	"	0.100	0.0005	119	54.2-134	9.15	17.9	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		96.5	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	70-130			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

**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 B9B2703 - EPA 3580**

**Blank (B9B2703-BLK1)**

Prepared: 02/27/2019 Analyzed: 02/27/2019

Diesel (C10-C28)	ND	50.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	200	"							U
Surrogate: o-Terphenyl	42		"	50.0		83.2	59-131			

**LCS (B9B2703-BS1)**

Prepared: 02/27/2019 Analyzed: 02/27/2019

Diesel (C10-C28)	948	50.0	mg/kg	1000		94.8	64-121			
Residual Range Organics (C28-C40)	903	200	"	1000		90.3	58-124			
Surrogate: o-Terphenyl	45		"	50.0		90.3	59-131			

**Matrix Spike (B9B2703-MS1)**

**Source: Y902357-01**

Prepared: 02/27/2019 Analyzed: 02/27/2019

Diesel (C10-C28)	1020	50.0	mg/kg	1000	14.7	101	53-125			
Residual Range Organics (C28-C40)	938	200	"	1000	7.29	93.1	47-133			
Surrogate: o-Terphenyl	50		"	50.0		100	59-131			

**Matrix Spike Dup (B9B2703-MSD1)**

**Source: Y902357-01**

Prepared: 02/27/2019 Analyzed: 02/27/2019

Diesel (C10-C28)	931	50.0	mg/kg	1000	14.7	91.6	53-125	9.61	20	
Residual Range Organics (C28-C40)	848	200	"	1000	7.29	84.1	47-133	10.2	20	
Surrogate: o-Terphenyl	43		"	50.0		85.2	59-131			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B9B2705 - NO PREP</b>										
<b>Duplicate (B9B2705-DUP1)</b>		<b>Source: Y902350-01</b>			Prepared: 02/27/2019 Analyzed: 02/27/2019					
pH	7.44		pH Units		7.46			0.268	25	
<b>Batch B9B2706 - NO PREP</b>										
<b>Blank (B9B2706-BLK1)</b>		Prepared: 02/27/2019 Analyzed: 02/27/2019								
Specific Conductance (EC)	0.00210	0.00500	mmhos/cm							
<b>Duplicate (B9B2706-DUP1)</b>		<b>Source: Y902350-01</b>			Prepared: 02/27/2019 Analyzed: 02/27/2019					
Specific Conductance (EC)	1.35	0.00507	mmhos/cm		1.34			1.29	25	

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

### Notes and Definitions

- U Sample is Non-Detect.
- S-DUP Duplicate analysis confirmed surrogate failure due to matrix effects.
- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- 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.*



March 04, 2019

LT Environmental, Inc.

Brian Sulzberger

4600 West 60th Avenue

Arvada

CO 80003

**Project Name - KMG - Dragoon Compressor  
Station**

**Project Number - 014219024**

Attached are your analytical results for KMG - Dragoon Compressor Station received by Origins Laboratory, Inc. March 01, 2019. This project is associated with Origins project number Y903023-01.

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

### CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB02@18'	Y903023-01	Soil	March 1, 2019 12:00	03/01/2019 16:48
SB02@36'	Y903023-02	Soil	March 1, 2019 12:15	03/01/2019 16:48
SB05@3'	Y903023-03	Soil	March 1, 2019 12:30	03/01/2019 16:48
SB06@1'	Y903023-04	Soil	March 1, 2019 13:02	03/01/2019 16:48
SB07@3'	Y903023-05	Soil	March 1, 2019 13:19	03/01/2019 16:48
SB03@24'	Y903023-06	Soil	March 1, 2019 13:25	03/01/2019 16:48
SB03@34'	Y903023-07	Soil	March 1, 2019 13:39	03/01/2019 16:48
SB08@6'	Y903023-08	Soil	March 1, 2019 13:59	03/01/2019 16:48
SB04@14'	Y903023-09	Soil	March 1, 2019 14:21	03/01/2019 16:48
SB04@40'	Y903023-10	Soil	March 1, 2019 14:42	03/01/2019 16:48

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

www.originslaboratory.com

page 1 of 1

**ORIGINS**  
LABORATORY, INC

Client: LT Environmental  
Address: 4600 W 60th Ave  
Arvada, CO 80003  
Telephone Number: 303 433 9788  
Email Address: \_\_\_\_\_

Project Manager: Brian Sulzberger  
Project Name: Dragoon Compressor Station  
Project Number: 014219024  
Samples Collected By: David Thomas

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions	
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Air Summa #			Other
SB02018'	3-1-19	1200	2								X	GC/MS	1
SB02036'	3-1-19	1215	1								X	GC/MS	2
SB02031'	3-1-19	1230	1								X	GC/MS	3
SB02011'	3-1-19	1300	1								X	GC/MS	4
SB02031'	3-1-19	1319	1								X	GC/MS	5
SB02034'	3-1-19	1325	1								X	GC/MS	6
SB02034'	3-1-19	1339	1								X	GC/MS	7
SB02036'	3-1-19	1359	1								X	GC/MS	8
SB02014'	3-1-19	1421	1								X	GC/MS	9
SB02040'	3-1-19	1440	1								X	GC/MS	10

Relinquished By: [Signature] Date: 3-1-19 Time: 1648  
Relinquished By: [Signature] Date: 3-1-19 Time: 1648

Received By: [Signature] Date: 3-1-19 Time: 1648  
Received By: [Signature] Date: 3-1-19 Time: 1648

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

Date Results Needed

Temp Received: 10.9

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

Origins Laboratory

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

## Sample Receipt Checklist

Origins Work Order: 9103023

Client: LTE

Client Project ID: KMG - Dragoon Compressor

Checklist Completed by: JG

Shipped Via: HD

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

Date/time completed: 3 / 1 / 2019

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 10.9 °C \_\_\_\_\_ °C \_\_\_\_\_ °C \_\_\_\_\_ °C (Describe)

Thermometer ID: T003

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

Reviewed by: (Project Manager)

Date/Time Reviewed: 3/1/19

Origins Laboratory, Inc.

*Jefe Pellegrini*

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

SB02@18'

3/1/2019 12:00:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y903023-01 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B9C0104	KDK	03/01/2019	03/01/2019	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	KDK	"	"	U

Surrogate: o-Terphenyl 83.6 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B9C0103	KDK	03/01/2019	03/01/2019	U
Benzene	ND	0.002	"	"	"	KDK	"	"	U
Toluene	ND	0.002	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.002	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.002	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4 90.9 % 70-130 " " "  
Surrogate: Toluene-d8 98.8 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 96.5 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.25		pH Units	1	B9C0105	OLAB	03/01/2019	03/02/2019	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0352	0.00500	mmhos/cm	"	B9C0106	OLAB	03/01/2019	"	
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Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

SB02@36'

3/1/2019 12:15:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y903023-02 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B9C0104	KDK	03/01/2019	03/01/2019	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	KDK	"	"	U

Surrogate: o-Terphenyl 80.7 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B9C0103	KDK	03/01/2019	03/01/2019	U
Benzene	ND	0.002	"	"	"	KDK	"	"	U
Toluene	ND	0.002	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.002	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.002	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4 92.8 % 70-130 " " "  
Surrogate: Toluene-d8 98.3 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 99.0 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.53		pH Units	1	B9C0105	OLAB	03/01/2019	03/02/2019	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0370	0.00505	mmhos/cm	"	B9C0106	OLAB	03/01/2019	"	
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Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

## SB05@3'

3/1/2019 12:30:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y903023-03 (Soil)

### DRO/RRO by EPA8015C

Diesel (C10-C28)	876	250	mg/kg	10	B9C0104	JTD	03/01/2019	03/02/2019	
Residual Range Organics (C28-C40)	10500	1000	"	"	"	JTD	"	"	

Surrogate: o-Terphenyl	202 %	59-131			"	"		"	S-06, S-DUP
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### GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	485	50.0	mg/kg	250	B9C0103	KDK	03/01/2019	03/02/2019	
Benzene	0.562	0.050	"	25	"	KDK	"	"	
Toluene	ND	0.050	"	"	"	KDK	"	"	U
Ethylbenzene	0.308	0.050	"	"	"	KDK	"	"	
Xylenes, total	2.72	0.050	"	"	"	KDK	"	"	

Surrogate: 1,2-Dichloroethane-d4	121 %	70-130			"	"		"	
Surrogate: Toluene-d8	92.7 %	70-130			"	"		"	
Surrogate: 4-Bromofluorobenzene	102 %	70-130			"	"		"	

### pH in Soil by EPA 9045D

pH	7.82		pH Units	1	B9C0105	OLAB	03/01/2019	03/02/2019	
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### Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.191	0.00500	mmhos/cm	"	B9C0106	OLAB	03/01/2019	"	
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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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

## SB06@1'

3/1/2019 1:02:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y903023-04 (Soil)

### DRO/RRO by EPA8015C

Diesel (C10-C28)	ND	25.0	mg/kg	1	B9C0104	JTD	03/01/2019	03/02/2019	U
Residual Range Organics (C28-C40)	181	100	"	"	"	JTD	"	"	

Surrogate: o-Terphenyl 78.7 % 59-131 " " "

### GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	5.70	5.00	mg/kg	25	B9C0103	JTD	03/01/2019	03/02/2019	
Benzene	ND	0.050	"	"	"	KDK	"	03/02/2019	U
Toluene	ND	0.050	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.050	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.050	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4 84.0 % 70-130 " " "  
Surrogate: Toluene-d8 101 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 97.9 % 70-130 " " "

### pH in Soil by EPA 9045D

pH	7.87		pH Units	1	B9C0105	OLAB	03/01/2019	03/02/2019	
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### Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.144	0.00502	mmhos/cm	"	B9C0106	OLAB	03/01/2019	"	
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Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

SB07@3'

3/1/2019 1:19:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y903023-05 (Soil)

## DRO/RRO by EPA8015C

Diesel (C10-C28)	ND	25.0	mg/kg	1	B9C0104	KDK	03/01/2019	03/01/2019	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	KDK	"	"	U

Surrogate: o-Terphenyl 81.5 % 59-131 " " "

## GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	41.3	5.00	mg/kg	25	B9C0103	KDK	03/01/2019	03/02/2019	
Benzene	ND	0.050	"	"	"	KDK	"	"	U
Toluene	ND	0.050	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.050	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.050	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4 88.2 % 70-130 " " "  
Surrogate: Toluene-d8 98.4 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 99.1 % 70-130 " " "

## pH in Soil by EPA 9045D

pH	7.81		pH Units	1	B9C0105	OLAB	03/01/2019	03/02/2019	
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## Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.162	0.00500	mmhos/cm	"	B9C0106	OLAB	03/01/2019	"	
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Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

SB03@24'

3/1/2019 1:25:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y903023-06 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	812	250	mg/kg	10	B9C0104	JTD	03/01/2019	03/02/2019	
Residual Range Organics (C28-C40)	9290	1000	"	"	"	JTD	"	"	

Surrogate: o-Terphenyl 186 % 59-131 " " " S-06, S-DUP

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	779	50.0	mg/kg	250	B9C0103	JTD	03/01/2019	03/02/2019	
Benzene	1.70	0.050	"	25	"	KDK	"	03/02/2019	
Toluene	ND	0.050	"	"	"	KDK	"	"	U
Ethylbenzene	6.48	0.498	"	250	"	JTD	"	03/02/2019	
Xylenes, total	32.1	0.498	"	"	"	JTD	"	"	

Surrogate: 1,2-Dichloroethane-d4 109 % 70-130 " " 03/02/2019  
Surrogate: Toluene-d8 95.0 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 129 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.42		pH Units	1	B9C0105	OLAB	03/01/2019	03/02/2019	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0157	0.00500	mmhos/cm	"	B9C0106	OLAB	03/01/2019	"	
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Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

SB03@34'

3/1/2019 1:39:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y903023-07 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	58.8	25.0	mg/kg	1	B9C0104	JTD	03/01/2019	03/02/2019	
Residual Range Organics (C28-C40)	610	100	"	"	"	JTD	"	"	

Surrogate: o-Terphenyl	86.2 %	59-131			"	"	"	"	
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**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	17.5	5.00	mg/kg	25	B9C0103	JTD	03/01/2019	03/02/2019	
Benzene	0.071	0.050	"	"	"	JTD	"	"	
Toluene	ND	0.050	"	"	"	JTD	"	"	U
Ethylbenzene	0.081	0.050	"	"	"	JTD	"	"	
Xylenes, total	0.410	0.050	"	"	"	JTD	"	"	

Surrogate: 1,2-Dichloroethane-d4	85.0 %	70-130			"	"	03/02/2019		
Surrogate: Toluene-d8	98.1 %	70-130			"	"	"		
Surrogate: 4-Bromofluorobenzene	97.9 %	70-130			"	"	"		

**pH in Soil by EPA 9045D**

pH	8.25		pH Units	1	B9C0105	OLAB	03/01/2019	03/02/2019	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0497	0.00500	mmhos/cm	"	B9C0106	OLAB	03/01/2019	"	
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Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

SB08@6'

3/1/2019 1:59:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y903023-08 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B9C0104	KDK	03/01/2019	03/01/2019	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	KDK	"	"	U

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

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	9.39	5.00	mg/kg	25	B9C0103	JTD	03/01/2019	03/02/2019	
Benzene	ND	0.050	"	"	"	KDK	"	03/02/2019	U
Toluene	ND	0.050	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.050	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.050	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4 85.5 % 70-130 " " "  
Surrogate: Toluene-d8 98.9 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 99.3 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	7.63		pH Units	1	B9C0105	OLAB	03/01/2019	03/02/2019	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.131	0.00508	mmhos/cm	"	B9C0106	OLAB	03/01/2019	"	
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Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

SB04@14'

3/1/2019 2:21:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y903023-09 (Soil)

## DRO/RRO by EPA8015C

Diesel (C10-C28)	ND	25.0	mg/kg	1	B9C0104	KDK	03/01/2019	03/01/2019	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	KDK	"	"	U

Surrogate: o-Terphenyl 85.6 % 59-131 " " "

## GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	ND	5.00	mg/kg	25	B9C0103	JTD	03/01/2019	03/02/2019	U
Benzene	0.240	0.050	"	"	"	JTD	"	"	
Toluene	ND	0.050	"	"	"	JTD	"	"	U
Ethylbenzene	ND	0.050	"	"	"	JTD	"	"	U
Xylenes, total	ND	0.050	"	"	"	JTD	"	"	U

Surrogate: 1,2-Dichloroethane-d4 84.6 % 70-130 " " 03/02/2019  
Surrogate: Toluene-d8 99.7 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 97.5 % 70-130 " " "

## pH in Soil by EPA 9045D

pH	7.82		pH Units	1	B9C0105	OLAB	03/01/2019	03/02/2019	
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## Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.0912	0.00504	mmhos/cm	"	B9C0106	OLAB	03/01/2019	"	
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Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

SB04@40'

3/1/2019 2:42:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y903023-10 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B9C0104	KDK	03/01/2019	03/01/2019	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	KDK	"	"	U

Surrogate: o-Terphenyl 81.1 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	5.00	mg/kg	25	B9C0103	KDK	03/01/2019	03/02/2019	U
Benzene	ND	0.050	"	"	"	KDK	"	"	U
Toluene	ND	0.050	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.050	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.050	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4 84.4 % 70-130 " " "  
Surrogate: Toluene-d8 98.2 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 96.4 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.21		pH Units	1	B9C0105	OLAB	03/01/2019	03/02/2019	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0324	0.00500	mmhos/cm	"	B9C0106	OLAB	03/01/2019	"	
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Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

**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
<b>Batch B9C0103 - EPA 5030 (soil)</b>										
<b>Blank (B9C0103-BLK1)</b>					Prepared: 03/01/2019 Analyzed: 03/01/2019					
Gasoline Range Hydrocarbons	ND	0.200	mg/kg							U
Benzene	ND	0.002	"							U
Toluene	ND	0.002	"							U
Ethylbenzene	ND	0.002	"							U
Xylenes, total	ND	0.002	"							U
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		90.9	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.3	70-130			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

**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
<b>Batch B9C0103 - EPA 5030 (soil)</b>										
<b>Blank (B9C0103-BLK2)</b>					Prepared: 03/01/2019 Analyzed: 03/01/2019					
Gasoline Range Hydrocarbons	ND	0.200	mg/kg							U
Benzene	ND	0.002	"							U
Toluene	ND	0.002	"							U
Ethylbenzene	ND	0.002	"							U
Xylenes, total	ND	0.002	"							U
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		91.2	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		97.8	70-130			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

**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 B9C0103 - EPA 5030 (soil)**

**LCS (B9C0103-BS1)**

Prepared: 03/01/2019 Analyzed: 03/01/2019

Benzene	0.108	0.002	mg/kg	0.100	108	77.1-124
Toluene	0.101	0.002	"	0.100	101	74.5-128
Ethylbenzene	0.108	0.002	"	0.100	108	66.4-127
m,p-Xylene	0.214	0.004	"	0.200	107	76.6-124
o-Xylene	0.114	0.002	"	0.100	114	76.6-124
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125	85.6	70-130
Surrogate: Toluene-d8	0.12		"	0.125	98.0	70-130
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125	100	70-130

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

**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 B9C0103 - EPA 5030 (soil)**

**LCS (B9C0103-BS2)**

Prepared: 03/01/2019 Analyzed: 03/01/2019

Benzene	0.116	0.002	mg/kg	0.100	116	77.1-124
Toluene	0.110	0.002	"	0.100	110	74.5-128
Ethylbenzene	0.118	0.002	"	0.100	118	66.4-127
m,p-Xylene	0.234	0.004	"	0.200	117	76.6-124
o-Xylene	0.116	0.002	"	0.100	116	76.6-124
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125	87.8	70-130
Surrogate: Toluene-d8	0.12		"	0.125	98.9	70-130
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125	101	70-130

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

**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 B9C0103 - EPA 5030 (soil)**

Matrix Spike (B9C0103-MS1)		Source: Y903010-02			Prepared: 03/01/2019 Analyzed: 03/01/2019					
Benzene	0.111	0.002	mg/kg	0.100	0.002	109	71.8-126			
Toluene	0.108	0.002	"	0.100	0.007	101	65.1-130			
Ethylbenzene	0.113	0.002	"	0.100	0.001	112	62.2-130			
m,p-Xylene	0.226	0.004	"	0.200	0.005	111	46.5-137			
o-Xylene	0.119	0.002	"	0.100	0.002	118	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		89.7	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		103	70-130			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

**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 B9C0103 - EPA 5030 (soil)**

Matrix Spike (B9C0103-MS2)		Source: Y903023-02			Prepared: 03/01/2019 Analyzed: 03/01/2019					
Benzene	0.108	0.002	mg/kg	0.100	ND	108	71.8-126			
Toluene	0.102	0.002	"	0.100	ND	102	65.1-130			
Ethylbenzene	0.110	0.002	"	0.100	ND	110	62.2-130			
m,p-Xylene	0.219	0.004	"	0.200	ND	110	46.5-137			
o-Xylene	0.115	0.002	"	0.100	ND	115	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		90.3	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

**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 B9C0103 - EPA 5030 (soil)**

Matrix Spike Dup (B9C0103-MSD1)		Source: Y903010-02			Prepared: 03/01/2019 Analyzed: 03/01/2019					
Benzene	0.109	0.002	mg/kg	0.100	0.002	107	71.8-126	1.96	11.3	
Toluene	0.105	0.002	"	0.100	0.007	98.8	65.1-130	2.27	15.4	
Ethylbenzene	0.111	0.002	"	0.100	0.001	110	62.2-130	2.07	19.6	
m,p-Xylene	0.221	0.004	"	0.200	0.005	108	46.5-137	2.59	19.2	
o-Xylene	0.117	0.002	"	0.100	0.002	115	54.2-134	2.24	17.9	
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		88.2	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

**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 B9C0103 - EPA 5030 (soil)**

Matrix Spike Dup (B9C0103-MSD2)		Source: Y903023-02			Prepared: 03/01/2019 Analyzed: 03/01/2019					
Benzene	0.099	0.002	mg/kg	0.100	ND	99.3	71.8-126	8.32	11.3	
Toluene	0.094	0.002	"	0.100	ND	94.2	65.1-130	8.23	15.4	
Ethylbenzene	0.099	0.002	"	0.100	ND	99.4	62.2-130	10.5	19.6	
m,p-Xylene	0.199	0.004	"	0.200	ND	99.4	46.5-137	9.63	19.2	
o-Xylene	0.106	0.002	"	0.100	ND	106	54.2-134	8.32	17.9	
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		90.2	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	70-130			

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

## Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control

### Origins Laboratory, Inc.

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

## Extractable Petroleum Hydrocarbons by 8015C - Quality Control

### Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch B9C0104 - EPA 3580

#### Blank (B9C0104-BLK1)

Prepared: 03/01/2019 Analyzed: 03/01/2019

Diesel (C10-C28)	ND	50.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	200	"							U
Surrogate: o-Terphenyl	45		"	50.0		89.4	59-131			

#### Blank (B9C0104-BLK2)

Prepared: 03/01/2019 Analyzed: 03/01/2019

Diesel (C10-C28)	ND	50.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	200	"							U
Surrogate: o-Terphenyl	45		"	50.0		89.1	59-131			

#### Blank (B9C0104-BLK3)

Prepared: 03/01/2019 Analyzed: 03/02/2019

Diesel (C10-C28)	ND	50.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	200	"							U
Surrogate: o-Terphenyl	47		"	50.0		94.6	59-131			

#### LCS (B9C0104-BS1)

Prepared: 03/01/2019 Analyzed: 03/01/2019

Diesel (C10-C28)	983	50.0	mg/kg	1000		98.3	64-121			
Residual Range Organics (C28-C40)	1010	200	"	1000		101	58-124			
Surrogate: o-Terphenyl	50		"	50.0		101	59-131			

#### LCS (B9C0104-BS2)

Prepared: 03/01/2019 Analyzed: 03/01/2019

Diesel (C10-C28)	984	50.0	mg/kg	1000		98.4	64-121			
Residual Range Organics (C28-C40)	977	200	"	1000		97.7	58-124			

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

## 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 B9C0104 - EPA 3580</b>										
<b>LCS (B9C0104-BS2)</b>					Prepared: 03/01/2019 Analyzed: 03/01/2019					
Surrogate: o-Terphenyl	49		mg/kg	50.0		98.7	59-131			
<b>LCS (B9C0104-BS3)</b>					Prepared: 03/01/2019 Analyzed: 03/02/2019					
Diesel (C10-C28)	965	50.0	mg/kg	1000		96.5	64-121			
Residual Range Organics (C28-C40)	964	200	"	1000		96.4	58-124			
Surrogate: o-Terphenyl	48		"	50.0		96.5	59-131			
<b>Matrix Spike (B9C0104-MS1)</b>					<b>Source: Y903010-02</b>		Prepared: 03/01/2019 Analyzed: 03/01/2019			
Diesel (C10-C28)	1020	50.0	mg/kg	1000	ND	102	53-125			
Residual Range Organics (C28-C40)	1070	200	"	1000	54.7	102	47-133			
Surrogate: o-Terphenyl	51		"	50.0		102	59-131			
<b>Matrix Spike (B9C0104-MS2)</b>					<b>Source: Y903013-02</b>		Prepared: 03/01/2019 Analyzed: 03/01/2019			
Diesel (C10-C28)	918	50.0	mg/kg	1000	ND	91.8	53-125			
Residual Range Organics (C28-C40)	917	200	"	1000	12.1	90.5	47-133			
Surrogate: o-Terphenyl	44		"	50.0		87.5	59-131			
<b>Matrix Spike (B9C0104-MS3)</b>					<b>Source: Y903023-02</b>		Prepared: 03/01/2019 Analyzed: 03/02/2019			
Diesel (C10-C28)	1020	50.0	mg/kg	1000	ND	102	53-125			
Residual Range Organics (C28-C40)	1070	200	"	1000	7.21	106	47-133			
Surrogate: o-Terphenyl	49		"	50.0		98.5	59-131			
<b>Matrix Spike Dup (B9C0104-MSD1)</b>					<b>Source: Y903010-02</b>		Prepared: 03/01/2019 Analyzed: 03/01/2019			
Diesel (C10-C28)	957	50.0	mg/kg	1000	ND	95.7	53-125	6.22	20	
Residual Range Organics (C28-C40)	1010	200	"	1000	54.7	95.6	47-133	6.34	20	
Surrogate: o-Terphenyl	48		"	50.0		96.0	59-131			
<b>Matrix Spike Dup (B9C0104-MSD2)</b>					<b>Source: Y903013-02</b>		Prepared: 03/01/2019 Analyzed: 03/01/2019			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

## 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 B9C0104 - EPA 3580</b>										
<b>Matrix Spike Dup (B9C0104-MSD2)</b>		<b>Source: Y903013-02</b>			Prepared: 03/01/2019 Analyzed: 03/01/2019					
Diesel (C10-C28)	955	50.0	mg/kg	1000	ND	95.5	53-125	3.95	20	
Residual Range Organics (C28-C40)	938	200	"	1000	12.1	92.6	47-133	2.35	20	
Surrogate: o-Terphenyl	46		"	50.0		91.8	59-131			
<b>Matrix Spike Dup (B9C0104-MSD3)</b>		<b>Source: Y903023-02</b>			Prepared: 03/01/2019 Analyzed: 03/02/2019					
Diesel (C10-C28)	1050	50.0	mg/kg	1000	ND	105	53-125	3.30	20	
Residual Range Organics (C28-C40)	1070	200	"	1000	7.21	107	47-133	0.529	20	
Surrogate: o-Terphenyl	54		"	50.0		108	59-131			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

## Classical Chemistry Parameters - Quality Control

### Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B9C0105 - NO PREP</b>										
<b>Duplicate (B9C0105-DUP1)</b>		<b>Source: Y903013-01</b>			Prepared: 03/01/2019 Analyzed: 03/02/2019					
pH	7.31		pH Units		7.35			0.546	25	
<b>Batch B9C0106 - NO PREP</b>										
<b>Blank (B9C0106-BLK1)</b>		Prepared: 03/01/2019 Analyzed: 03/02/2019								
Specific Conductance (EC)	0.00180	0.00500	mmhos/cm							
<b>Duplicate (B9C0106-DUP1)</b>		<b>Source: Y903013-01</b>			Prepared: 03/01/2019 Analyzed: 03/02/2019					
Specific Conductance (EC)	0.204	0.00500	mmhos/cm		0.205			0.147	25	

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

### Notes and Definitions

U Sample is Non-Detect.

S-DUP Duplicate analysis confirmed surrogate failure due to matrix effects.

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.

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.*



March 06, 2019

LT Environmental, Inc.

Brian Sulzberger

4600 West 60th Avenue

Arvada

CO 80003

**Project Name - KMG - Dragoon Compressor  
Station**

**Project Number - 014219024**

Attached are your analytical results for KMG - Dragoon Compressor Station received by Origins Laboratory, Inc. March 05, 2019. This project is associated with Origins project number Y903048-01.

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB05@20'	Y903048-01	Soil	March 5, 2019 9:47	03/05/2019 16:17
SB05@40'	Y903048-02	Soil	March 5, 2019 9:58	03/05/2019 16:17
SB06@40'	Y903048-03	Soil	March 5, 2019 11:51	03/05/2019 16:17
SB07@40'	Y903048-04	Soil	March 5, 2019 13:04	03/05/2019 16:17
SB08@40'	Y903048-05	Soil	March 5, 2019 14:45	03/05/2019 16:17

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

www.originslaboratory.com

page ( of 1

9903048

ORIGINS LABORATORY, INC

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

Project Manager: Brian Sulzberger  
Project Name: Dragoon Compressor Station  
Project Number: 014219024  
Samples Collected By: Jeff Thumel

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis				Sample Instructions	
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Air Summa Canister #	Other	TPH	GC	GC/MS		
5805020'	3-5-19	0947	2							X				X	X	1
5805040'	3-5-19	0958	2							X				X	X	2
5806040'	3-5-19	1151	2							X				X	X	3
5807040'	3-5-19	1304	2							X				X	X	4
5808040'	3-5-19	1445	2							X				X	X	5
																6
																7
																8
																9
																10

Relinquished By: [Signature] Date: 3-5-19 Time: 1617  
Received By: [Signature] Date: 3-5-19 Time: 1417

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

Temp Received: 42 Date Results Needed

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

Origins Laboratory, Inc.

Jeff 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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

Origins Laboratory

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

### Sample Receipt Checklist

Origins Work Order: Y903048

Client: LTE

Client Project ID: KMG - Dragoon

Checklist Completed by: JD

Shipped Via: HD

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

Date/time completed: 3/5/19

Airbill #: NA

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

☐ Water

☐ Other: \_\_\_\_\_

(Describe)

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

Reviewed by (Project Manager): JP

Date/Time Reviewed: 3/5/19

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

SB05@20'

3/5/2019 9:47:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y903048-01 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B9C0502	JTD	03/05/2019	03/05/2019	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	JTD	"	"	U

Surrogate: o-Terphenyl 88.2 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B9C0501	JTD	03/05/2019	03/05/2019	U
Benzene	ND	0.002	"	"	"	JTD	"	"	U
Toluene	ND	0.002	"	"	"	JTD	"	"	U
Ethylbenzene	ND	0.002	"	"	"	JTD	"	"	U
Xylenes, total	ND	0.002	"	"	"	JTD	"	"	U

Surrogate: 1,2-Dichloroethane-d4 97.9 % 70-130 " " "  
Surrogate: Toluene-d8 100 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 97.8 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	9.07		pH Units	1	B9C0503	OLAB	03/05/2019	03/05/2019	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0167	0.00500	mmhos/cm	"	B9C0504	OLAB	03/05/2019	"	
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Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

SB05@40'

3/5/2019 9:58:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y903048-02 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B9C0502	JTD	03/05/2019	03/05/2019	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	JTD	"	"	U

Surrogate: o-Terphenyl 77.8 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B9C0501	JTD	03/05/2019	03/05/2019	U
Benzene	ND	0.002	"	"	"	JTD	"	"	U
Toluene	ND	0.002	"	"	"	JTD	"	"	U
Ethylbenzene	ND	0.002	"	"	"	JTD	"	"	U
Xylenes, total	ND	0.002	"	"	"	JTD	"	"	U

Surrogate: 1,2-Dichloroethane-d4 99.1 % 70-130 " " "  
Surrogate: Toluene-d8 100 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 95.8 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	9.02		pH Units	1	B9C0503	OLAB	03/05/2019	03/05/2019	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0222	0.00500	mmhos/cm	"	B9C0504	OLAB	03/05/2019	"	
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Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

SB06@40'

3/5/2019 11:51:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y903048-03 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B9C0502	JTD	03/05/2019	03/05/2019	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	JTD	"	"	U

Surrogate: o-Terphenyl 96.2 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B9C0501	JTD	03/05/2019	03/05/2019	U
Benzene	ND	0.002	"	"	"	JTD	"	"	U
Toluene	ND	0.002	"	"	"	JTD	"	"	U
Ethylbenzene	ND	0.002	"	"	"	JTD	"	"	U
Xylenes, total	ND	0.002	"	"	"	JTD	"	"	U

Surrogate: 1,2-Dichloroethane-d4 109 % 70-130 " " "  
Surrogate: Toluene-d8 97.7 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 96.7 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.80		pH Units	1	B9C0503	OLAB	03/05/2019	03/05/2019	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0230	0.00500	mmhos/cm	"	B9C0504	OLAB	03/05/2019	"	
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Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

SB07@40'

3/5/2019 1:04:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y903048-04 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B9C0502	JTD	03/05/2019	03/05/2019	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	JTD	"	"	U

Surrogate: o-Terphenyl 82.0 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B9C0501	JTD	03/05/2019	03/06/2019	U
Benzene	ND	0.002	"	"	"	JTD	"	"	U
Toluene	ND	0.002	"	"	"	JTD	"	"	U
Ethylbenzene	ND	0.002	"	"	"	JTD	"	"	U
Xylenes, total	ND	0.002	"	"	"	JTD	"	"	U

Surrogate: 1,2-Dichloroethane-d4 99.1 % 70-130 " " "  
Surrogate: Toluene-d8 100 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 96.3 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.86		pH Units	1	B9C0503	OLAB	03/05/2019	03/05/2019	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0200	0.00501	mmhos/cm	"	B9C0504	OLAB	03/05/2019	"	
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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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

SB08@40'

3/5/2019 2:45:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y903048-05 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B9C0502	JTD	03/05/2019	03/05/2019	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	JTD	"	"	U

Surrogate: o-Terphenyl 89.4 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B9C0501	JTD	03/05/2019	03/06/2019	U
Benzene	ND	0.002	"	"	"	JTD	"	"	U
Toluene	ND	0.002	"	"	"	JTD	"	"	U
Ethylbenzene	ND	0.002	"	"	"	JTD	"	"	U
Xylenes, total	ND	0.002	"	"	"	JTD	"	"	U

Surrogate: 1,2-Dichloroethane-d4 101 % 70-130 " " "  
Surrogate: Toluene-d8 100 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 96.9 % 70-130 " " "

**pH in Soil by EPA 9045D**

pH	8.88		pH Units	1	B9C0503	OLAB	03/05/2019	03/05/2019	
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**Specific Conductance by Modified 9050A**

Specific Conductance (EC)	0.0248	0.00507	mmhos/cm	"	B9C0504	OLAB	03/05/2019	"	
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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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

**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
<b>Batch B9C0501 - EPA 5030 (soil)</b>										
<b>Blank (B9C0501-BLK1)</b>					Prepared: 03/05/2019 Analyzed: 03/05/2019					
Gasoline Range Hydrocarbons	ND	0.200	mg/kg							U
Benzene	ND	0.002	"							U
Toluene	ND	0.002	"							U
Ethylbenzene	ND	0.002	"							U
Xylenes, total	ND	0.002	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		98.3	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		96.9	70-130			

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

**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
<b>Batch B9C0501 - EPA 5030 (soil)</b>										
<b>LCS (B9C0501-BS1)</b>					Prepared: 03/05/2019 Analyzed: 03/05/2019					
Benzene	0.102	0.002	mg/kg	0.100		102	77.1-124			
Toluene	0.113	0.002	"	0.100		113	74.5-128			
Ethylbenzene	0.110	0.002	"	0.100		110	66.4-127			
m,p-Xylene	0.218	0.004	"	0.200		109	76.6-124			
o-Xylene	0.108	0.002	"	0.100		108	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		92.1	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

**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 B9C0501 - EPA 5030 (soil)**

Matrix Spike (B9C0501-MS1)		Source: Y903032-01			Prepared: 03/05/2019 Analyzed: 03/05/2019					
Benzene	0.087	0.002	mg/kg	0.100	ND	86.9	71.8-126			
Toluene	0.095	0.002	"	0.100	ND	94.8	65.1-130			
Ethylbenzene	0.090	0.002	"	0.100	ND	90.4	62.2-130			
m,p-Xylene	0.181	0.004	"	0.200	0.002	89.3	46.5-137			
o-Xylene	0.089	0.002	"	0.100	0.0006	88.8	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		96.0	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	70-130			

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

**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 B9C0501 - EPA 5030 (soil)**

Matrix Spike Dup (B9C0501-MSD1)		Source: Y903032-01			Prepared: 03/05/2019 Analyzed: 03/05/2019					
Benzene	0.083	0.002	mg/kg	0.100	ND	83.0	71.8-126	4.64	11.3	
Toluene	0.090	0.002	"	0.100	ND	90.4	65.1-130	4.79	15.4	
Ethylbenzene	0.087	0.002	"	0.100	ND	86.7	62.2-130	4.20	19.6	
m,p-Xylene	0.173	0.004	"	0.200	0.002	85.4	46.5-137	4.49	19.2	
o-Xylene	0.086	0.002	"	0.100	0.0006	85.1	54.2-134	4.22	17.9	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		97.6	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

**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 B9C0502 - EPA 3580**

**Blank (B9C0502-BLK1)**

Prepared: 03/05/2019 Analyzed: 03/05/2019

Diesel (C10-C28)	ND	50.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	200	"							U
Surrogate: o-Terphenyl	41		"	50.0		82.6	59-131			

**LCS (B9C0502-BS1)**

Prepared: 03/05/2019 Analyzed: 03/05/2019

Diesel (C10-C28)	1050	50.0	mg/kg	1000		105	64-121			
Residual Range Organics (C28-C40)	1050	200	"	1000		105	58-124			
Surrogate: o-Terphenyl	52		"	50.0		104	59-131			

**Matrix Spike (B9C0502-MS1)**

**Source: Y903032-01**

Prepared: 03/05/2019 Analyzed: 03/05/2019

Diesel (C10-C28)	995	50.0	mg/kg	1000	ND	99.5	53-125			
Residual Range Organics (C28-C40)	1020	200	"	1000	13.5	100	47-133			
Surrogate: o-Terphenyl	53		"	50.0		107	59-131			

**Matrix Spike Dup (B9C0502-MSD1)**

**Source: Y903032-01**

Prepared: 03/05/2019 Analyzed: 03/05/2019

Diesel (C10-C28)	1050	50.0	mg/kg	1000	ND	105	53-125	5.16	20	
Residual Range Organics (C28-C40)	1100	200	"	1000	13.5	108	47-133	7.59	20	
Surrogate: o-Terphenyl	54		"	50.0		108	59-131			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B9C0503 - NO PREP</b>										
<b>Duplicate (B9C0503-DUP1)</b>		<b>Source: Y903009-01</b>			Prepared: 03/05/2019 Analyzed: 03/05/2019					
pH	7.11		pH Units		8.02			12.0	25	
<b>Batch B9C0504 - NO PREP</b>										
<b>Blank (B9C0504-BLK1)</b>		Prepared: 03/05/2019 Analyzed: 03/05/2019								
Specific Conductance (EC)	0.00230	0.00500	mmhos/cm							
<b>Duplicate (B9C0504-DUP1)</b>		<b>Source: Y903009-01</b>			Prepared: 03/05/2019 Analyzed: 03/05/2019					
Specific Conductance (EC)	0.150	0.00508	mmhos/cm		0.162			7.77	25	

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

### 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.*



May 14, 2020

LT Environmental, Inc.

Brian Sulzberger

4600 West 60th Avenue

Arvada

CO 80003

**Project Name - KMG - Dragoon Compressor  
Station**

**Project Number - 014219024**

Attached are your analytical results for KMG - Dragoon Compressor Station received by Origins Laboratory, Inc. May 13, 2020. This project is associated with Origins project number Y005168-01.

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB09@2'	Y005168-01	Soil	May 13, 2020 12:10	05/13/2020 16:28
SB11@32'	Y005168-03	Soil	May 13, 2020 14:40	05/13/2020 16:28
SB12@12'	Y005168-05	Soil	May 13, 2020 13:23	05/13/2020 16:28

Origins Laboratory, Inc.



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

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LT Environmental, Inc.

4600 West 60th Avenue

Arvada CO 80003

Brian Sulzberger

Project Number: 014219024

Project: KMG - Dragoon Compressor Station

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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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

Origins Laboratory

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

### Sample Receipt Checklist

Origins Work Order: Y005168

Client: LTE

Client Project ID: Dragoon CS

Checklist Completed by: JG

Shipped Via: HD  
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 5/13/2020

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 16.2 °C 1 °C 1 °C (Describe)

Thermometer ID: T003

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

Reviewed by (Project Manager)

5/13/20  
Date/Time Reviewed

Origins Laboratory, Inc.

*Jordan A. Merrill*

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

SB09@2'

5/13/2020 12:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y005168-01 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B0E1309	TEM	05/13/2020	05/14/2020	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	TEM	"	"	U

Surrogate: o-Terphenyl 82.2 % 50-150 " " "

**GBTEX + Naphthalene by EPA 8260D**

Gasoline Range Hydrocarbons	ND	5.00	mg/kg	25	B0E1307	ZZZ	05/13/2020	05/13/2020	U
Benzene	ND	0.050	"	"	"	ZZZ	"	"	U
Toluene	ND	0.050	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.050	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.050	"	"	"	ZZZ	"	"	U
Naphthalene	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4 92.1 % 70-130 " " "  
Surrogate: Toluene-d8 99.8 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 98.3 % 70-130 " " "

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

SB11@32'

5/13/2020 2:40:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y005168-03 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B0E1309	TEM	05/13/2020	05/14/2020	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	TEM	"	"	U

Surrogate: o-Terphenyl 85.5 % 50-150 " " "

**GBTEX + Naphthalene by EPA 8260D**

Gasoline Range Hydrocarbons	ND	5.00	mg/kg	25	B0E1307	ZZZ	05/13/2020	05/13/2020	U
Benzene	ND	0.050	"	"	"	ZZZ	"	"	U
Toluene	ND	0.050	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.050	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.050	"	"	"	ZZZ	"	"	U
Naphthalene	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4 94.4 % 70-130 " " "  
Surrogate: Toluene-d8 98.1 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 98.4 % 70-130 " " "

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

SB12@12'

5/13/2020 1:23:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y005168-05 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B0E1309	TEM	05/13/2020	05/14/2020	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	TEM	"	"	U

Surrogate: o-Terphenyl 91.6 % 50-150 " " "

**GBTEX + Naphthalene by EPA 8260D**

Gasoline Range Hydrocarbons	ND	5.00	mg/kg	25	B0E1307	ZZZ	05/13/2020	05/13/2020	U
Benzene	ND	0.050	"	"	"	ZZZ	"	"	U
Toluene	ND	0.050	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.050	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.050	"	"	"	ZZZ	"	"	U
Naphthalene	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4 94.2 % 70-130 " " "  
Surrogate: Toluene-d8 99.1 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 97.0 % 70-130 " " "

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B0E1307 - EPA 5030 (soil)</b>										
<b>Blank (B0E1307-BLK1)</b>					Prepared: 05/13/2020 Analyzed: 05/13/2020					
Gasoline Range Hydrocarbons	ND	0.200	mg/kg							U
Benzene	ND	0.002	"							U
Toluene	ND	0.002	"							U
Ethylbenzene	ND	0.002	"							U
Xylenes, total	ND	0.002	"							U
Naphthalene	ND	0.008	"							U
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		91.2	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B0E1307 - EPA 5030 (soil)</b>										
<b>LCS (B0E1307-BS1)</b>					Prepared: 05/13/2020 Analyzed: 05/13/2020					
Benzene	0.085	0.002	mg/kg	0.100		84.9	70-130			
Toluene	0.086	0.002	"	0.100		85.6	70-130			
Ethylbenzene	0.106	0.002	"	0.100		106	70-130			
m,p-Xylene	0.207	0.004	"	0.200		103	70-130			
o-Xylene	0.094	0.002	"	0.100		94.0	70-130			
Naphthalene	0.084	0.008	"	0.100		83.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		96.2	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B0E1307 - EPA 5030 (soil)</b>										
<b>Matrix Spike (B0E1307-MS1)</b>		<b>Source: Y005166-01</b>			Prepared: 05/13/2020 Analyzed: 05/13/2020					
Benzene	0.098	0.002	mg/kg	0.100	ND	98.4	70-130			
Toluene	0.108	0.002	"	0.100	ND	108	70-130			
Ethylbenzene	0.128	0.002	"	0.100	ND	128	70-130			
m,p-Xylene	0.250	0.004	"	0.200	ND	125	70-130			
o-Xylene	0.115	0.002	"	0.100	ND	115	70-130			
Naphthalene	0.089	0.008	"	0.100	0.010	78.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		95.8	70-130			
Surrogate: Toluene-d8	0.14		"	0.125		109	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.8	70-130			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B0E1307 - EPA 5030 (soil)</b>										
<b>Matrix Spike Dup (B0E1307-MSD1)</b>		<b>Source: Y005166-01</b>			Prepared: 05/13/2020 Analyzed: 05/13/2020					
Benzene	0.090	0.002	mg/kg	0.100	ND	90.4	70-130	8.52	20	
Toluene	0.101	0.002	"	0.100	ND	101	70-130	6.74	20	
Ethylbenzene	0.119	0.002	"	0.100	ND	119	70-130	7.87	20	
m,p-Xylene	0.232	0.004	"	0.200	ND	116	70-130	7.49	20	
o-Xylene	0.107	0.002	"	0.100	ND	107	70-130	7.42	20	
Naphthalene	0.088	0.008	"	0.100	0.010	77.4	70-130	0.816	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		94.1	70-130			
Surrogate: Toluene-d8	0.14		"	0.125		109	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.4	70-130			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B0E1309 - EPA 3550B</b>										
<b>Blank (B0E1309-BLK1)</b>					Prepared: 05/13/2020 Analyzed: 05/14/2020					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	28		"	25.0		111	50-150			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B0E1309 - EPA 3550B</b>										
<b>LCS (B0E1309-BS1)</b>					Prepared: 05/13/2020 Analyzed: 05/14/2020					
Diesel (C10-C28)	1160	50.0	mg/kg	1000		116	70-130			
Residual Range Organics (C28-C40)	1080	200	"	1000		108	70-130			
Surrogate: o-Terphenyl	56		"	50.0		112	50-150			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B0E1309 - EPA 3550B										
Matrix Spike (B0E1309-MS1)		Source: Y005170-01			Prepared: 05/13/2020 Analyzed: 05/14/2020					
Diesel (C10-C28)	1230	50.0	mg/kg	1000		123	70-130			
Residual Range Organics (C28-C40)	1160	200	"	1000		116	70-130			
Surrogate: o-Terphenyl	62		"	50.0		124	50-150			

Origins Laboratory, Inc.

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

**Extractable Petroleum Hydrocarbons by 8015D - 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 B0E1309 - EPA 3550B**

Matrix Spike Dup (B0E1309-MSD1)		Source: Y005170-01			Prepared: 05/13/2020 Analyzed: 05/14/2020					
Diesel (C10-C28)	1050	50.0	mg/kg	1000	105	70-130	15.8	35		
Residual Range Organics (C28-C40)	987	200	"	1000	98.7	70-130	15.7	35		
Surrogate: o-Terphenyl	53		"	50.0	105	50-150				

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

### 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.*



May 20, 2020

LT Environmental, Inc.

Brian Sulzberger

4600 West 60th Avenue

Arvada

CO 80003

**Project Name - KMG - Dragoon Compressor  
Station**

**Project Number - 014219024**

Attached are your analytical results for KMG - Dragoon Compressor Station received by Origins Laboratory, Inc. May 14, 2020. This project is associated with Origins project number Y005194-01.

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

### CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB10@32'	Y005194-01	Soil	May 14, 2020 11:40	05/14/2020 15:15
SB13@36'	Y005194-03	Soil	May 14, 2020 10:10	05/14/2020 15:15
SB14@26'	Y005194-05	Soil	May 14, 2020 13:25	05/14/2020 15:15
SB14@43.5'	Y005194-06	Soil	May 14, 2020 13:30	05/14/2020 15:15

Sample SB14@43.5' was taken off hold and ran for GBTEX+N on a standard turn per the email request from David Stainback on 05/15/2020. JAM

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

**ORIGINS**  
LABORATORY, INC


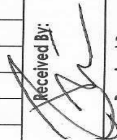

www.originslaboratory.com

Y005194

page 1 of 1

Client: LT Environmental, Inc  
Address: 4600 W 60th Ave  
Arvada CO 80003  
Telephone Number: 303-433-9188  
Email Address: KMG@Gasp

Project Manager: Brian Sulzberger  
Project Name: Dragoon Compressor Station  
Project Number: 014219024  
Samples Collected By: Ryan Sebergard

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative					Matrix			Analysis	Sample Instructions	
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Air Summa Container #	Other			
SB10@32'	5-14-20	1140	1	X					X			X	SPRAX+H TPH	1
SB10@44'		1145	1	X					X			X		2
SB13@36'		1016	1	X					X			X		3
SB13@44'		1015	1	X					X			X		4
SB14@26'		1325	1	X					X			X		5
SB14@43.5'		1330	1	X					X			X		6
														7
														8
														9
														10
Relinquished By: 	Date: 5-14-20	Time: 1515		Received By: 	Date: 5/14/20	Time: 1515		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: 14.4

Origins Laboratory, Inc.

*Jordan A. Merrill*

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

Origins Laboratory

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

## Sample Receipt Checklist

Origins Work Order: 4005194

Client: LT

Client Project ID: KMG - Dragoon Compressor Station

Checklist Completed by: Don Lee

Shipped Via: MD

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

Date/time completed: 5-14-20

Airbill #: NA

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

☐ Water

☐ Other:

(Describe)

Cooler Number/Temperature: 114.4 °C / °C / °C / °C

Thermometer ID: 1003

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

Reviewed by (Project Manager) [Signature]

5-14-20  
Date/Time Reviewed

Origins Laboratory, Inc.

[Signature]

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

SB10@32'

5/14/2020 11:40:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y005194-01 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	112	25.0	mg/kg	1	B0E1402	TEM	05/14/2020	05/14/2020	
Residual Range Organics (C28-C40)	ND	100	"	"	"	TEM	"	"	U

Surrogate: o-Terphenyl 97.3 % 50-150 " " "

**GBTEX + Naphthalene by EPA 8260D**

Gasoline Range Hydrocarbons	9.52	5.00	mg/kg	25	B0E1401	ZZZ	05/14/2020	05/14/2020	
Benzene	ND	0.050	"	"	"	ZZZ	"	"	U
Toluene	ND	0.050	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.050	"	"	"	ZZZ	"	"	U
Xylenes, total	0.248	0.050	"	"	"	ZZZ	"	"	
Naphthalene	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4 93.8 % 70-130 " " "  
Surrogate: Toluene-d8 101 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 101 % 70-130 " " "

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

SB13@36'

5/14/2020 10:10:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y005194-03 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B0E1402	TEM	05/14/2020	05/14/2020	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	TEM	"	"	U

Surrogate: o-Terphenyl 86.1 % 50-150 " " "

**GBTEX + Naphthalene by EPA 8260D**

Gasoline Range Hydrocarbons	ND	5.00	mg/kg	25	B0E1401	ZZZ	05/14/2020	05/14/2020	U
Benzene	ND	0.050	"	"	"	ZZZ	"	"	U
Toluene	ND	0.050	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.050	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.050	"	"	"	ZZZ	"	"	U
Naphthalene	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4 96.4 % 70-130 " " "  
Surrogate: Toluene-d8 97.7 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 97.2 % 70-130 " " "

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

SB14@26'

5/14/2020 1:25:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y005194-05 (Soil)

## DRO/ORO by EPA 8015D

Diesel (C10-C28)	598	25.0	mg/kg	1	B0E1402	TEM	05/14/2020	05/14/2020	
Residual Range Organics (C28-C40)	2170	100	"	"	"	TEM	"	"	

Surrogate: o-Terphenyl	110 %	50-150			"	"	"	
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## GBTEX + Naphthalene by EPA 8260D

Gasoline Range Hydrocarbons	641	50.0	mg/kg	250	B0E1401	ZZZ	05/14/2020	05/14/2020	
Benzene	ND	0.050	"	25	"	ZZZ	"	05/15/2020	U
Toluene	0.112	0.050	"	"	"	ZZZ	"	"	
Ethylbenzene	3.87	0.050	"	"	"	ZZZ	"	"	
Xylenes, total	27.6	0.498	"	250	"	ZZZ	"	05/14/2020	
Naphthalene	1.24	0.200	"	25	"	ZZZ	"	05/15/2020	

Surrogate: 1,2-Dichloroethane-d4	97.0 %	70-130			"	"	"
Surrogate: Toluene-d8	128 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	104 %	70-130			"	"	"

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

SB14@43.5'

5/14/2020 1:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y005194-06 (Soil)**

**GBTEX + Naphthalene by EPA 8260D**

Gasoline Range Hydrocarbons	1220	50.0	mg/kg	250	B0E1510	KDK	05/15/2020	05/18/2020	
Benzene	0.164	0.050	"	25	"	ZZZ	"	05/16/2020	
Toluene	5.87	0.498	"	250	"	KDK	"	05/18/2020	
Ethylbenzene	9.05	0.498	"	"	"	KDK	"	"	
Xylenes, total	48.0	0.498	"	"	"	KDK	"	"	
Naphthalene	1.13	0.200	"	25	"	ZZZ	"	05/16/2020	

Surrogate: 1,2-Dichloroethane-d4	100 %	70-130			"	"		05/18/2020	
Surrogate: Toluene-d8	106 %	70-130			"	"		"	
Surrogate: 4-Bromofluorobenzene	99.7 %	70-130			"	"		"	

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B0E1401 - EPA 5030 (soil)</b>										
<b>Blank (B0E1401-BLK1)</b>					Prepared: 05/14/2020 Analyzed: 05/14/2020					
Gasoline Range Hydrocarbons	ND	0.200	mg/kg							U
Benzene	ND	0.002	"							U
Toluene	ND	0.002	"							U
Ethylbenzene	ND	0.002	"							U
Xylenes, total	ND	0.002	"							U
Naphthalene	ND	0.008	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		96.6	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B0E1401 - EPA 5030 (soil)</b>										
<b>LCS (B0E1401-BS1)</b>					Prepared: 05/14/2020 Analyzed: 05/14/2020					
Benzene	0.095	0.002	mg/kg	0.100		95.2	70-130			
Toluene	0.092	0.002	"	0.100		92.4	70-130			
Ethylbenzene	0.116	0.002	"	0.100		116	70-130			
m,p-Xylene	0.231	0.004	"	0.200		116	70-130			
o-Xylene	0.108	0.002	"	0.100		108	70-130			
Naphthalene	0.099	0.008	"	0.100		98.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		91.8	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.4	70-130			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B0E1401 - EPA 5030 (soil)</b>										
<b>Matrix Spike (B0E1401-MS1)</b>										
		<b>Source: Y005171-01</b>								
Benzene	0.087	0.002	mg/kg	0.100	ND	87.4	70-130			
Toluene	0.087	0.002	"	0.100	ND	87.3	70-130			
Ethylbenzene	0.106	0.002	"	0.100	ND	106	70-130			
m,p-Xylene	0.212	0.004	"	0.200	0.012	99.9	70-130			
o-Xylene	0.099	0.002	"	0.100	ND	99.0	70-130			
Naphthalene	0.082	0.008	"	0.100	0.064	18.7	70-130			QM-07
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		99.3	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.9	70-130			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B0E1401 - EPA 5030 (soil)</b>										
<b>Matrix Spike Dup (B0E1401-MSD1)</b>		<b>Source: Y005171-01</b>			Prepared: 05/14/2020 Analyzed: 05/14/2020					
Benzene	0.089	0.002	mg/kg	0.100	ND	88.9	70-130	1.66	20	
Toluene	0.088	0.002	"	0.100	ND	88.1	70-130	0.844	20	
Ethylbenzene	0.107	0.002	"	0.100	ND	107	70-130	0.807	20	
m,p-Xylene	0.215	0.004	"	0.200	0.012	101	70-130	1.14	20	
o-Xylene	0.098	0.002	"	0.100	ND	98.5	70-130	0.466	20	
Naphthalene	0.082	0.008	"	0.100	0.064	18.9	70-130	0.243	20	QM-07
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		98.1	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	70-130			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B0E1402 - EPA 3550B</b>										
<b>Blank (B0E1402-BLK1)</b>					Prepared: 05/14/2020 Analyzed: 05/14/2020					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	29		"	25.0		118	50-150			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B0E1402 - EPA 3550B</b>										
<b>LCS (B0E1402-BS1)</b>					Prepared: 05/14/2020 Analyzed: 05/14/2020					
Diesel (C10-C28)	1240	50.0	mg/kg	1000		124	70-130			
Residual Range Organics (C28-C40)	1170	200	"	1000		117	70-130			
Surrogate: o-Terphenyl	67		"	50.0		135	50-150			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

## Extractable Petroleum Hydrocarbons by 8015D - 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 B0E1402 - EPA 3550B

Matrix Spike (B0E1402-MS1)		Source: Y005171-01			Prepared: 05/14/2020 Analyzed: 05/14/2020					
Diesel (C10-C28)	1080	50.0	mg/kg	1000	ND	108	70-130			
Residual Range Organics (C28-C40)	1010	200	"	1000	ND	101	70-130			
Surrogate: o-Terphenyl	56		"	50.0		112	50-150			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

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

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

Batch B0E1402 - EPA 3550B

Matrix Spike Dup (B0E1402-MSD1)		Source: Y005171-01			Prepared: 05/14/2020 Analyzed: 05/14/2020					
Diesel (C10-C28)	1000	50.0	mg/kg	1000	ND	100	70-130	7.56	35	
Residual Range Organics (C28-C40)	956	200	"	1000	ND	95.6	70-130	5.27	35	
Surrogate: o-Terphenyl	52		"	50.0		105	50-150			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

## Extractable Petroleum Hydrocarbons by 8015D - Quality Control

### Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B0E1510 - EPA 5030 (soil)										
Blank (B0E1510-BLK1)					Prepared: 05/15/2020 Analyzed: 05/16/2020					
Gasoline Range Hydrocarbons	ND	0.200	mg/kg							U
Benzene	ND	0.002	"							U
Toluene	ND	0.002	"							U
Ethylbenzene	ND	0.002	"							U
Xylenes, total	ND	0.002	"							U
Naphthalene	ND	0.008	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		97.2	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		105	70-130			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B0E1510 - EPA 5030 (soil)</b>										
<b>LCS (B0E1510-BS1)</b>					Prepared: 05/15/2020 Analyzed: 05/16/2020					
Benzene	0.085	0.002	mg/kg	0.100		85.4	70-130			
Toluene	0.086	0.002	"	0.100		86.4	70-130			
Ethylbenzene	0.099	0.002	"	0.100		98.8	70-130			
m,p-Xylene	0.198	0.004	"	0.200		99.2	70-130			
o-Xylene	0.094	0.002	"	0.100		94.4	70-130			
Naphthalene	0.085	0.008	"	0.100		85.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		89.9	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		105	70-130			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B0E1510 - EPA 5030 (soil)</b>										
<b>Matrix Spike (B0E1510-MS1)</b>		<b>Source: Y005199-01</b>			Prepared: 05/15/2020 Analyzed: 05/16/2020					
Benzene	0.086	0.002	mg/kg	0.100	ND	86.1	70-130			
Toluene	0.086	0.002	"	0.100	ND	85.6	70-130			
Ethylbenzene	0.100	0.002	"	0.100	ND	100	70-130			
m,p-Xylene	0.201	0.004	"	0.200	0.060	70.6	70-130			
o-Xylene	0.096	0.002	"	0.100	0.014	81.5	70-130			
Naphthalene	0.087	0.008	"	0.100	0.059	28.1	70-130			QM-07
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		99.4	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		103	70-130			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B0E1510 - EPA 5030 (soil)</b>										
<b>Matrix Spike Dup (B0E1510-MSD1)</b>	<b>Source: Y005199-01</b>				Prepared: 05/15/2020 Analyzed: 05/16/2020					
Benzene	0.085	0.002	mg/kg	0.100	ND	85.1	70-130	1.12	20	
Toluene	0.090	0.002	"	0.100	ND	90.1	70-130	5.08	20	
Ethylbenzene	0.103	0.002	"	0.100	ND	103	70-130	2.52	20	
m,p-Xylene	0.205	0.004	"	0.200	0.060	72.3	70-130	1.64	20	
o-Xylene	0.099	0.002	"	0.100	0.014	84.8	70-130	3.38	20	
Naphthalene	0.091	0.008	"	0.100	0.059	32.4	70-130	4.82	20	QM-07
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		88.1	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		104	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.9	70-130			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

### Notes and Definitions

U Sample is Non-Detect.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

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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May 28, 2020

LT Environmental, Inc.

Brian Sulzberger

4600 West 60th Avenue

Arvada

CO 80003

**Project Name - KMG - Dragoon Compressor  
Station**

**Project Number - 014219024**

Attached are your analytical results for KMG - Dragoon Compressor Station received by Origins Laboratory, Inc. May 15, 2020. This project is associated with Origins project number Y005226-01.

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB15@42'	Y005226-01	Soil	May 15, 2020 11:17	05/15/2020 13:20
SB15@47'	Y005226-02	Soil	May 15, 2020 11:15	05/15/2020 13:20
SB16@33'	Y005226-03	Soil	May 15, 2020 12:16	05/15/2020 13:20

DRO and ORO were added to samples SB15@42' and SB16@33' per the email request from David Stainback on 05/26/2020. JAM

Sample SB15@47' was taken off hold per the email request from David Stainback on 05/27/2020 and ran for GBTEX+N and TPH. JAM

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

**ORIGINS**  
LABORATORY, INC

www.originslaboratory.com

page 1 of 1

1005226

Client: LTE  
Address: 4600 W 60th Ave  
Arvada CO  
Telephone Number: \_\_\_\_\_  
Email Address: Group Method  
Project Manager: Brian Sulzberger  
Project Name: Dragoon Compressor Station  
Project Number: 014219024  
Samples Collected By: D. Steinback

Fax: 303.265.9645

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions	
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Air Summa #			Other
SB15 @ 42'	5/15/20	1117	1	X				X				1	
SB15 @ 47'		1115	1									2	HOLD
SB16 @ 33'		1216	1									3	
SB16 @ 44'		1215	1									4	HOLD
												5	
												6	
												7	
												8	
												9	
												10	
Relinquished By: <u>[Signature]</u>	Date: <u>5/15/20</u>	Time: <u>1320</u>	Received By: <u>[Signature]</u>	Date: <u>5/15/20</u>	Time: <u>1320</u>	Turnaround Time: Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input checked="" type="checkbox"/> Standard							

Temp Received: 18.6 Date Results Needed

Origins Laboratory, Inc.

*[Signature]*

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

Origins Laboratory

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

## Sample Receipt Checklist

Origins Work Order: Y005226

Client: LTE

Client Project ID: KMG-Dragoon Compressor

Checklist Completed by: JG KDK

Shipped Via: HD  
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 05/15/2020

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 18.6 °C \_\_\_\_\_ / \_\_\_\_\_ °C \_\_\_\_\_ / \_\_\_\_\_ °C (Describe) \_\_\_\_\_ °C

Thermometer ID: T003

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

Reviewed by (Project Manager) Jm

5-18-20  
Date/Time Reviewed

Origins Laboratory, Inc.

*Jm*

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

SB15@42'

5/15/2020 11:17:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y005226-01 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	104	25.0	mg/kg	1	B0E2604	TEM	05/26/2020	05/26/2020
Residual Range Organics (C28-C40)	316	100	"	"	"	TEM	"	"

Surrogate: o-Terphenyl 93.9 % 50-150 " " "

**GBTEX + Naphthalene by EPA 8260D**

Gasoline Range Hydrocarbons	255	5.00	mg/kg	25	B0E1901	KDK	05/19/2020	05/19/2020
Benzene	0.074	0.050	"	"	"	KDK	"	"
Toluene	ND	0.050	"	"	"	KDK	"	" U
Ethylbenzene	1.69	0.050	"	"	"	KDK	"	"
Xylenes, total	9.75	0.050	"	"	"	KDK	"	"
Naphthalene	0.374	0.200	"	"	"	KDK	"	"

Surrogate: 1,2-Dichloroethane-d4 98.1 % 70-130 " " "  
Surrogate: Toluene-d8 115 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 102 % 70-130 " " "

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

SB15@47'

5/15/2020 11:15:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y005226-02 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	91.3	50.0	mg/kg	1	B0E2712	TEM	05/27/2020	05/27/2020	
Residual Range Organics (C28-C40)	347	200	"	"	"	TEM	"	"	

Surrogate: o-Terphenyl	90.6 %	50-150			"	"	"	"	
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**GBTEX + Naphthalene by EPA 8260D**

Gasoline Range Hydrocarbons	101	5.00	mg/kg	25	B0E2709	TEM	05/27/2020	05/27/2020	
Benzene	ND	0.050	"	"	"	TEM	"	"	U
Toluene	0.206	0.050	"	"	"	TEM	"	"	
Ethylbenzene	0.418	0.050	"	"	"	TEM	"	"	
Xylenes, total	2.57	0.050	"	"	"	TEM	"	"	
Naphthalene	ND	0.200	"	"	"	TEM	"	"	U

Surrogate: 1,2-Dichloroethane-d4	80.0 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	106 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	108 %	70-130			"	"	"	"	

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

SB16@33'

5/15/2020 12:16:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y005226-03 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	78.7	25.0	mg/kg	1	B0E2604	TEM	05/26/2020	05/26/2020	
Residual Range Organics (C28-C40)	ND	100	"	"	"	TEM	"	"	U

Surrogate: o-Terphenyl 73.9 % 50-150 " " "

**GBTEX + Naphthalene by EPA 8260D**

Gasoline Range Hydrocarbons	ND	5.00	mg/kg	25	B0E1901	KDK	05/19/2020	05/19/2020	U
Benzene	ND	0.050	"	"	"	KDK	"	"	U
Toluene	ND	0.050	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.050	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.050	"	"	"	KDK	"	"	U
Naphthalene	ND	0.200	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4 99.1 % 70-130 " " "  
Surrogate: Toluene-d8 101 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 103 % 70-130 " " "

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B0E1901 - EPA 5030 (soil)</b>										
<b>Blank (B0E1901-BLK1)</b>					Prepared: 05/19/2020 Analyzed: 05/19/2020					
Gasoline Range Hydrocarbons	ND	0.200	mg/kg							U
Benzene	ND	0.002	"							U
Toluene	ND	0.002	"							U
Ethylbenzene	ND	0.002	"							U
Xylenes, total	ND	0.002	"							U
Naphthalene	ND	0.008	"							U
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		101	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

**Volatile Organic Compounds by GC/MS SW846 8260D - 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 B0E1901 - EPA 5030 (soil)**

**LCS (B0E1901-BS1)**

Prepared: 05/19/2020 Analyzed: 05/19/2020

Benzene	0.110	0.002	mg/kg	0.100		110	70-130			
Toluene	0.104	0.002	"	0.100		104	70-130			
Ethylbenzene	0.106	0.002	"	0.100		106	70-130			
m,p-Xylene	0.204	0.004	"	0.200		102	70-130			
o-Xylene	0.097	0.002	"	0.100		96.9	70-130			
Naphthalene	0.110	0.008	"	0.100		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		94.8	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B0E1901 - EPA 5030 (soil)</b>										
<b>Matrix Spike (B0E1901-MS1)</b>										
		<b>Source: Y005249-01</b>								
Benzene	0.113	0.002	mg/kg	0.100	ND	113	70-130			
Toluene	0.110	0.002	"	0.100	ND	110	70-130			
Ethylbenzene	0.117	0.002	"	0.100	ND	117	70-130			
m,p-Xylene	0.218	0.004	"	0.200	ND	109	70-130			
o-Xylene	0.101	0.002	"	0.100	ND	101	70-130			
Naphthalene	0.094	0.008	"	0.100	ND	94.0	70-130			QM-07
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		92.2	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B0E1901 - EPA 5030 (soil)</b>										
<b>Matrix Spike Dup (B0E1901-MSD1)</b>					<b>Source: Y005249-01</b>					Prepared: 05/19/2020 Analyzed: 05/19/2020
Benzene	0.107	0.002	mg/kg	0.100	ND	107	70-130	6.01	20	
Toluene	0.104	0.002	"	0.100	ND	104	70-130	5.33	20	
Ethylbenzene	0.110	0.002	"	0.100	ND	110	70-130	6.26	20	
m,p-Xylene	0.205	0.004	"	0.200	ND	102	70-130	5.99	20	
o-Xylene	0.096	0.002	"	0.100	ND	96.4	70-130	4.40	20	
Naphthalene	0.099	0.008	"	0.100	ND	98.9	70-130	5.02	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		94.7	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		103	70-130			

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LT Environmental, Inc.  
4600 West 60th Avenue  
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Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B0E2604 - EPA 3580										
Blank (B0E2604-BLK1)					Prepared: 05/26/2020 Analyzed: 05/26/2020					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	21		"	25.0		83.5	50-150			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

**Extractable Petroleum Hydrocarbons by 8015D - 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 B0E2604 - EPA 3580

**LCS (B0E2604-BS1)**

Prepared: 05/26/2020 Analyzed: 05/26/2020

Diesel (C10-C28)	1100	50.0	mg/kg	1000		110	70-130			
Residual Range Organics (C28-C40)	1100	200	"	1000		110	70-130			
Surrogate: o-Terphenyl	63		"	50.0		126	50-150			

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Arvada CO 80003

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

Extractable Petroleum Hydrocarbons by 8015D - 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 B0E2604 - EPA 3580

Matrix Spike (B0E2604-MS1)		Source: Y005322-01			Prepared: 05/26/2020 Analyzed: 05/26/2020					
Diesel (C10-C28)	791	50.0	mg/kg	1000	ND	79.1	70-130			
Residual Range Organics (C28-C40)	794	200	"	1000	ND	79.4	70-130			
Surrogate: o-Terphenyl	40		"	50.0		80.0	50-150			

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

**Extractable Petroleum Hydrocarbons by 8015D - 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 B0E2604 - EPA 3580**

Matrix Spike Dup (B0E2604-MSD1)		Source: Y005322-01			Prepared: 05/26/2020 Analyzed: 05/26/2020					
Diesel (C10-C28)	874	50.0	mg/kg	1000	ND	87.4	70-130	10.0	35	
Residual Range Organics (C28-C40)	856	200	"	1000	ND	85.6	70-130	7.52	35	
Surrogate: o-Terphenyl	47		"	50.0		93.8	50-150			

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

## Extractable Petroleum Hydrocarbons by 8015D - Quality Control

### Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B0E2709 - EPA 5030 (soil)										
Blank (B0E2709-BLK1)					Prepared: 05/27/2020 Analyzed: 05/27/2020					
Gasoline Range Hydrocarbons	ND	0.200	mg/kg							U
Benzene	ND	0.002	"							U
Toluene	ND	0.002	"							U
Ethylbenzene	ND	0.002	"							U
Xylenes, total	ND	0.002	"							U
Naphthalene	ND	0.008	"							U
Surrogate: 1,2-Dichloroethane-d4	0.10		"	0.125		81.4	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		105	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		111	70-130			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B0E2709 - EPA 5030 (soil)</b>										
<b>LCS (B0E2709-BS1)</b>					Prepared: 05/27/2020 Analyzed: 05/27/2020					
Benzene	0.049	0.002	mg/kg	0.0500		98.1	70-130			
Toluene	0.056	0.002	"	0.0500		112	70-130			
Ethylbenzene	0.058	0.002	"	0.0500		116	70-130			
m,p-Xylene	0.114	0.004	"	0.100		114	70-130			
o-Xylene	0.058	0.002	"	0.0500		116	70-130			
Naphthalene	0.062	0.008	"	0.0500		123	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.10		"	0.125		82.1	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		106	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		110	70-130			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

**Volatile Organic Compounds by GC/MS SW846 8260D - 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 B0E2709 - EPA 5030 (soil)

Matrix Spike (B0E2709-MS1)		Source: Y005343-11			Prepared: 05/27/2020 Analyzed: 05/27/2020					
Benzene	0.058	0.002	mg/kg	0.0500	0.019	77.2	70-130			
Toluene	0.054	0.002	"	0.0500	0.010	89.1	70-130			
Ethylbenzene	0.046	0.002	"	0.0500	0.001	89.5	70-130			
m,p-Xylene	0.093	0.004	"	0.100	0.006	87.8	70-130			
o-Xylene	0.049	0.002	"	0.0500	0.002	94.3	70-130			
Naphthalene	0.048	0.008	"	0.0500	ND	95.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.10		"	0.125		83.4	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		105	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		109	70-130			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B0E2709 - EPA 5030 (soil)</b>										
<b>Matrix Spike Dup (B0E2709-MSD1)</b>		<b>Source: Y005343-11</b>			Prepared: 05/27/2020 Analyzed: 05/27/2020					
Benzene	0.070	0.002	mg/kg	0.0500	0.019	102	70-130	19.7	20	
Toluene	0.072	0.002	"	0.0500	0.010	125	70-130	28.1	20	QR-03
Ethylbenzene	0.071	0.002	"	0.0500	0.001	140	70-130	43.4	20	QM-07, QR-03
m,p-Xylene	0.142	0.004	"	0.100	0.006	137	70-130	41.4	20	QM-07, QR-03
o-Xylene	0.070	0.002	"	0.0500	0.002	136	70-130	34.9	20	QM-07, QR-03
Naphthalene	0.037	0.008	"	0.0500	ND	73.8	70-130	25.8	20	QM-07, QR-03
Surrogate: 1,2-Dichloroethane-d4	0.096		"	0.125		77.1	70-130			
Surrogate: Toluene-d8	0.14		"	0.125		114	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		113	70-130			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B0E2712 - EPA 3580</b>										
<b>Blank (B0E2712-BLK1)</b>					Prepared: 05/27/2020 Analyzed: 05/27/2020					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	21		"	25.0		85.8	50-150			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

**Extractable Petroleum Hydrocarbons by 8015D - 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 B0E2712 - EPA 3580

**LCS (B0E2712-BS1)**

Prepared: 05/27/2020 Analyzed: 05/27/2020

Diesel (C10-C28)	938	50.0	mg/kg	1000		93.8	70-130			
Residual Range Organics (C28-C40)	947	200	"	1000		94.7	70-130			
Surrogate: o-Terphenyl	55		"	50.0		109	50-150			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

**Extractable Petroleum Hydrocarbons by 8015D - 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 B0E2712 - EPA 3580

Matrix Spike (B0E2712-MS1)		Source: Y005344-01			Prepared: 05/27/2020 Analyzed: 05/27/2020					
Diesel (C10-C28)	916	50.0	mg/kg	1000	ND	91.6	70-130			
Residual Range Organics (C28-C40)	915	200	"	1000	ND	91.5	70-130			
Surrogate: o-Terphenyl	50		"	50.0		99.8	50-150			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

## Extractable Petroleum Hydrocarbons by 8015D - 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 B0E2712 - EPA 3580

Matrix Spike Dup (B0E2712-MSD1)		Source: Y005344-01			Prepared: 05/27/2020 Analyzed: 05/27/2020					
Diesel (C10-C28)	819	50.0	mg/kg	1000	ND	81.9	70-130	11.2	35	
Residual Range Organics (C28-C40)	816	200	"	1000	ND	81.6	70-130	11.5	35	
Surrogate: o-Terphenyl	45		"	50.0		89.5	50-150			

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

### Notes and Definitions

U Sample is Non-Detect.

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

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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August 18, 2020

LT Environmental, Inc.

Brian Sulzberger

4600 West 60th Avenue

Arvada

CO 80003

**Project Name - KMG - Dragoon Compressor  
Station**

**Project Number - 014219024**

Attached are your analytical results for KMG - Dragoon Compressor Station received by Origins Laboratory, Inc. August 17, 2020. This project is associated with Origins project number Y008234-01.

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS15R@54'	Y008234-01	Soil	August 17, 2020 14:00	08/17/2020 15:55
SS15R@55'	Y008234-02	Soil	August 17, 2020 14:10	08/17/2020 15:55
SS17@49.5'	Y008234-04	Soil	August 17, 2020 11:00	08/17/2020 15:55
SS17@55'	Y008234-05	Soil	August 17, 2020 11:45	08/17/2020 15:55

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.*

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dagoon Compressor Station

# ORIGINS

LABORATORY, INC

www.originslaboratory.com

Client: ET Environmental, Inc

Address: 4600 W 60<sup>th</sup> Ave

Arvada Co 80003

Telephone Number: \_\_\_\_\_

Email Address: \_\_\_\_\_

KMG Group

page | of |

Project Manager: Brian Sulzberger

Project Name: Dragon Campsite/ station

Project Number: 014219024

Samples Collected By: Ryan Jakubczak

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis		Sample Instructions	
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	As Summed Consider #	Other	GC/MS		GC/MS
SB15R054	8-17-20	1400	1	X					X			X	1	Hold
SB15R055		1410	1	X					X			X	2	
SB15R060		1420	1	X					X			X	3	
SB170405		1100	1	X					X			X	4	
SB17055		1145	1	X					X			X	5	
													6	
													7	
													8	
													9	
													10	
Relinquished By: <u>Ryan Jakubczak</u>	Date: <u>8-17-20</u>	Time: <u>1555</u>	Received By: <u>[Signature]</u>	Date: <u>8/17/20</u>	Time: <u>1555</u>	Turnaround Time: Same Day <input checked="" type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> Standard <input type="checkbox"/>								
Relinquished By: _____	Date: _____	Time: _____	Received By: _____	Date: _____	Time: _____									

Temp Received: 18.6

Date Result Needed \_\_\_\_\_

Origins Laboratory, Inc.

Jeff Pellipini

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

Origins Laboratory

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

**Sample Receipt Checklist**

Origins Work Order: V008 Client: LTE  
Client Project ID: Dragoon Compressor Station

Checklist Completed by: SG Shipped Via: HD  
Date/Time completed: 1/7/20 (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
Airbill #: N/A

Matrix(s) Received: (Check all that apply): X Soil/Solid Water Other: \_\_\_\_\_  
Cooler Number/Temperature: 1 / 18.6 °C (Describe) \_\_\_\_\_ °C  
Thermometer ID: T003

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

Reviewed by (Project Manager) [Signature] Date/Time Reviewed 8/17/20

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

SS15R@54'

8/17/2020 2:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y008234-01 (Soil)**

**BTEX/TVPH by EPA 8260D**

Benzene	ND	0.0500	mg/kg	25	B0H1709	ZZZ	08/17/2020	08/17/2020	U
Toluene	ND	0.0500	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.0500	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.0500	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	17.7	5.00	"	"	"	ZZZ	"	"	

Surrogate: 1,2-Dichloroethane-d4	97.2 %	70-130	"	"	"	"	"	"	
Surrogate: Toluene-d8	99.9 %	70-130	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	93.3 %	70-130	"	"	"	"	"	"	

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B0H1710	KDK	08/17/2020	08/17/2020	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	KDK	"	"	U

Surrogate: o-Terphenyl	70.7 %	50-150	"	"	"	"	"	"	
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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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

SS15R@55'

8/17/2020 2:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y008234-02 (Soil)

**BTEX/TVPH by EPA 8260D**

Benzene	ND	0.0500	mg/kg	25	B0H1709	ZZZ	08/17/2020	08/17/2020	U
Toluene	ND	0.0500	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.0500	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.0500	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	38.4	5.00	"	"	"	ZZZ	"	"	

Surrogate: 1,2-Dichloroethane-d4	96.8 %	70-130	"	"	"	"	"	"	
Surrogate: Toluene-d8	104 %	70-130	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	93.4 %	70-130	"	"	"	"	"	"	

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	56.5	25.0	mg/kg	1	B0H1710	KDK	08/17/2020	08/17/2020	
Residual Range Organics (C28-C40)	282	100	"	"	"	KDK	"	"	

Surrogate: o-Terphenyl	72.7 %	50-150	"	"	"	"	"	"	
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Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

SS17@49.5'

8/17/2020 11:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y008234-04 (Soil)**

**BTEX/TVPH by EPA 8260D**

Benzene	ND	0.0500	mg/kg	25	B0H1709	ZZZ	08/17/2020	08/17/2020	U
Toluene	ND	0.0500	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.0500	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.0500	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	5.00	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4	97.1 %	70-130			"	"	"
Surrogate: Toluene-d8	99.6 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	93.3 %	70-130			"	"	"

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B0H1710	KDK	08/17/2020	08/17/2020	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	KDK	"	"	U

Surrogate: o-Terphenyl	67.1 %	50-150			"	"	"
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Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

SS17@55'

8/17/2020 11:45:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y008234-05 (Soil)**

**BTEX/TVPH by EPA 8260D**

Benzene	ND	0.0500	mg/kg	25	B0H1709	ZZZ	08/17/2020	08/17/2020	U
Toluene	ND	0.0500	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.0500	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.0500	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	5.00	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4	96.8 %	70-130	"	"	"
Surrogate: Toluene-d8	100 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	94.2 %	70-130	"	"	"

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B0H1710	KDK	08/17/2020	08/17/2020	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	KDK	"	"	U

Surrogate: o-Terphenyl	65.2 %	50-150	"	"	"
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Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B0H1709 - EPA 5030 (soil)</b>										
<b>Blank (B0H1709-BLK1)</b>					Prepared: 08/17/2020 Analyzed: 08/17/2020					
Benzene	ND	0.00200	mg/kg							U
Toluene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		96.5	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.4	70-130			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

**Volatile Organic Compounds by GC/MS SW846 8260D - 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 B0H1709 - EPA 5030 (soil)

**LCS (B0H1709-BS1)**

Prepared: 08/17/2020 Analyzed: 08/17/2020

Benzene	0.105	0.00200	mg/kg	0.100		105	70-130			
Toluene	0.106	0.00200	"	0.100		106	70-130			
Ethylbenzene	0.105	0.00200	"	0.100		105	70-130			
m,p-Xylene	0.209	0.00400	"	0.200		105	70-130			
o-Xylene	0.104	0.00200	"	0.100		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		101	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		96.7	70-130			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

**Volatile Organic Compounds by GC/MS SW846 8260D - 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 B0H1709 - EPA 5030 (soil)

Matrix Spike (B0H1709-MS1)		Source: Y008234-01			Prepared: 08/17/2020 Analyzed: 08/17/2020					
Benzene	0.121	0.00200	mg/kg	0.100	ND	121	70-130			
Toluene	0.123	0.00200	"	0.100	0.00600	117	70-130			
Ethylbenzene	0.125	0.00200	"	0.100	0.00850	117	70-130			
m,p-Xylene	0.246	0.00400	"	0.200	0.0310	107	70-130			
o-Xylene	0.119	0.00200	"	0.100	ND	119	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		102	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		103	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		95.2	70-130			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

**Volatile Organic Compounds by GC/MS SW846 8260D - 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 B0H1709 - EPA 5030 (soil)

Matrix Spike Dup (B0H1709-MSD1)		Source: Y008234-01			Prepared: 08/17/2020 Analyzed: 08/17/2020					
Benzene	0.119	0.00200	mg/kg	0.100	ND	119	70-130	1.80	20	
Toluene	0.124	0.00200	"	0.100	0.00600	118	70-130	0.986	20	
Ethylbenzene	0.127	0.00200	"	0.100	0.00850	118	70-130	1.00	20	
m,p-Xylene	0.249	0.00400	"	0.200	0.0310	109	70-130	1.38	20	
o-Xylene	0.120	0.00200	"	0.100	ND	120	70-130	0.619	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		101	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		105	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		94.8	70-130			

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B0H1710 - EPA 3580										
Blank (B0H1710-BLK1)					Prepared: 08/17/2020 Analyzed: 08/17/2020					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	17		"	25.0		67.0	50-150			

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

**Extractable Petroleum Hydrocarbons by 8015D - 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 B0H1710 - EPA 3580

**LCS (B0H1710-BS1)**

Prepared: 08/17/2020 Analyzed: 08/17/2020

Diesel (C10-C28)	911	50.0	mg/kg	1000		91.1	70-130			
Residual Range Organics (C28-C40)	870	200	"	1000		87.0	70-130			
Surrogate: o-Terphenyl	41		"	50.0		82.4	50-150			

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

**Extractable Petroleum Hydrocarbons by 8015D - 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 B0H1710 - EPA 3580

Matrix Spike (B0H1710-MS1)		Source: Y008234-01			Prepared: 08/17/2020 Analyzed: 08/17/2020					
Diesel (C10-C28)	794	50.0	mg/kg	1000	ND	79.4	70-130			
Residual Range Organics (C28-C40)	788	200	"	1000	40.6	74.8	70-130			
Surrogate: o-Terphenyl	40		"	50.0		79.9	50-150			

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

**Extractable Petroleum Hydrocarbons by 8015D - 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 B0H1710 - EPA 3580

Matrix Spike Dup (B0H1710-MSD1)		Source: Y008234-01			Prepared: 08/17/2020 Analyzed: 08/17/2020					
Diesel (C10-C28)	778	50.0	mg/kg	1000	ND	77.8	70-130	2.04	35	
Residual Range Organics (C28-C40)	757	200	"	1000	40.6	71.7	70-130	4.22	35	
Surrogate: o-Terphenyl	36		"	50.0		72.3	50-150			

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

### 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.*



August 19, 2020

LT Environmental, Inc.

Brian Sulzberger

4600 West 60th Avenue

Arvada

CO 80003

**Project Name - KMG - Dragoon Compressor  
Station**

**Project Number - 014219024**

Attached are your analytical results for KMG - Dragoon Compressor Station received by Origins Laboratory, Inc. August 18, 2020. This project is associated with Origins project number Y008249-01.

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

### CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB14R@44'	Y008249-01	Soil	August 18, 2020 10:00	08/18/2020 16:55
SB14R@55.5'	Y008249-02	Soil	August 18, 2020 10:15	08/18/2020 16:55
SB03R@47'	Y008249-05	Soil	August 18, 2020 12:15	08/18/2020 16:55
SB03R@50'	Y008249-06	Soil	August 18, 2020 12:30	08/18/2020 16:55
SB19@45'	Y008249-07	Soil	August 18, 2020 14:10	08/18/2020 16:55
SB19@50'	Y008249-08	Soil	August 18, 2020 14:20	08/18/2020 16:55

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

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page 1 of 1

014219024

Client: LT Environmental, Inc.  
Address: 4600 W 60th Ave  
Arvada Co 80003

Project Manager: Brian Sulzberger  
Project Name: Dragoon Compressor Station  
Project Number: 014219024  
Samples Collected By: Ryan Sedgewick

Telephone Number: \_\_\_\_\_  
Email Address: KMG.Grad

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis			Sample Instructions
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Air/Burned	Container #	Other	TPH	
SB1412@44'	8-18-20	1000	1	X					X			X		
SB1412@55'		1015	1	X					X			X		
SB1412@57'		1030	1	X					X			X		Hold
SB032@33'		1200	1	X					X			X		Hold
SB032@41'		1215	1	X					X			X		
SB032@50'		1230	1	X					X			X		
SB191@45'		1410	1	X					X			X		
SB191@50'		1420	1	X					X			X		

Relinquished By: *[Signature]* Date: 6-14-20 Time: 855  
Relinquished By: *[Signature]* Date: 8-18-20 Time: 1055

Received By: *[Signature]* Date: 8-18-20 Time: 1055  
Received By: *[Signature]* Date: 8-18-20 Time: 1055

Turnaround Time: 24 hr ☐ 48 hr ☐ 72 hr ☐ Standard ☐

Temp Received: 93 Date Results Needed: \_\_\_\_\_

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

Origins Laboratory, Inc.

*Jefe Pellegrini*

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

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

**Sample Receipt Checklist**

Origins Work Order: 1008249 Client: LTE  
Client Project ID: Dragoon CS

Checklist Completed by: JG Shipped Via: HD  
(UPS, FedEx, Hand Delivered, Pick-up, etc.)  
Date/time completed: 8/18/20 Airbill #: N/A

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

Cooler Number/Temperature: 1, 9.3 °C        °C        °C        °C

Thermometer ID: T003

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

Reviewed by (Project Manager) [Signature]

Date/Time Reviewed 8/18/20

Origins Laboratory, Inc.

*Jefe Pellegrini*

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

SB14R@44'

8/18/2020 10:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y008249-01 (Soil)**

**BTEX/TVPH by EPA 8260D**

Benzene	ND	0.0500	mg/kg	25	B0H1806	ZZZ	08/18/2020	08/18/2020	U
Toluene	ND	0.0500	"	"	"	ZZZ	"	"	U
Ethylbenzene	0.0745	0.0500	"	"	"	ZZZ	"	"	
Xylenes, total	0.527	0.0500	"	"	"	ZZZ	"	"	
Gasoline Range Hydrocarbons	82.5	5.00	"	"	"	ZZZ	"	"	

Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130			"	"	"
Surrogate: Toluene-d8	106 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	91.8 %	70-130			"	"	"

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	71.8	25.0	mg/kg	1	B0H1807	KDK	08/18/2020	08/18/2020
Residual Range Organics (C28-C40)	191	100	"	"	"	KDK	"	"

Surrogate: o-Terphenyl	73.4 %	50-150			"	"	"
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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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

SB14R@55.5'

8/18/2020 10:15:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y008249-02 (Soil)

## BTEX/TVPH by EPA 8260D

Benzene	0.144	0.0500	mg/kg	25	B0H1806	ZZZ	08/18/2020	08/19/2020
Toluene	3.20	0.500	"	250	"	ZZZ	"	08/18/2020
Ethylbenzene	2.36	0.500	"	"	"	ZZZ	"	"
Xylenes, total	14.2	0.500	"	"	"	ZZZ	"	"
Gasoline Range Hydrocarbons	943	50.0	"	"	"	ZZZ	"	"

Surrogate: 1,2-Dichloroethane-d4	101 %	70-130			"	"	"
Surrogate: Toluene-d8	104 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	92.4 %	70-130			"	"	"

## DRO/ORO by EPA 8015D

Diesel (C10-C28)	124	25.0	mg/kg	1	B0H1807	KDK	08/18/2020	08/18/2020
Residual Range Organics (C28-C40)	312	100	"	"	"	KDK	"	"

Surrogate: o-Terphenyl	75.2 %	50-150			"	"	"
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Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

SB03R@47'

8/18/2020 12:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y008249-05 (Soil)**

**BTEX/TVPH by EPA 8260D**

Benzene	ND	0.0500	mg/kg	25	B0H1806	ZZZ	08/18/2020	08/18/2020	U
Toluene	ND	0.0500	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.0500	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.0500	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	5.00	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4	101 %	70-130			"	"	"
Surrogate: Toluene-d8	101 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	92.6 %	70-130			"	"	"

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B0H1807	KDK	08/18/2020	08/18/2020	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	KDK	"	"	U

Surrogate: o-Terphenyl	66.5 %	50-150			"	"	"
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Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

SB03R@50'

8/18/2020 12:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y008249-06 (Soil)**

**BTEX/TVPH by EPA 8260D**

Benzene	ND	0.0500	mg/kg	25	B0H1806	ZZZ	08/18/2020	08/18/2020	U
Toluene	ND	0.0500	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.0500	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.0500	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	5.00	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4	101 %	70-130			"	"	"
Surrogate: Toluene-d8	102 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	90.8 %	70-130			"	"	"

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B0H1807	KDK	08/18/2020	08/18/2020	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	KDK	"	"	U

Surrogate: o-Terphenyl	67.3 %	50-150			"	"	"
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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

SB19@45'

8/18/2020 2:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y008249-07 (Soil)**

**BTEX/TVPH by EPA 8260D**

Benzene	ND	0.0500	mg/kg	25	B0H1806	ZZZ	08/18/2020	08/18/2020	U
Toluene	ND	0.0500	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.0500	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.0500	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	5.00	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4	101 %	70-130			"	"	"
Surrogate: Toluene-d8	103 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	89.9 %	70-130			"	"	"

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B0H1807	KDK	08/18/2020	08/18/2020	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	KDK	"	"	U

Surrogate: o-Terphenyl	58.5 %	50-150			"	"	"
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Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

SB19@50'

8/18/2020 2:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y008249-08 (Soil)**

**BTEX/TVPH by EPA 8260D**

Benzene	ND	0.0500	mg/kg	25	B0H1806	ZZZ	08/18/2020	08/18/2020	U
Toluene	ND	0.0500	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.0500	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.0500	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	5.00	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4	102 %	70-130	"	"	"
Surrogate: Toluene-d8	101 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	91.6 %	70-130	"	"	"

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B0H1807	KDK	08/18/2020	08/18/2020	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	KDK	"	"	U

Surrogate: o-Terphenyl	65.4 %	50-150	"	"	"
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Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B0H1806 - EPA 5030 (soil)</b>										
<b>Blank (B0H1806-BLK1)</b>					Prepared: 08/18/2020 Analyzed: 08/18/2020					
Benzene	ND	0.00200	mg/kg							U
Toluene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		100	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		103	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		95.9	70-130			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

**Volatile Organic Compounds by GC/MS SW846 8260D - 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 B0H1806 - EPA 5030 (soil)**

**LCS (B0H1806-BS1)**

Prepared: 08/18/2020 Analyzed: 08/18/2020

Benzene	0.106	0.00200	mg/kg	0.100		106	70-130			
Toluene	0.108	0.00200	"	0.100		108	70-130			
Ethylbenzene	0.109	0.00200	"	0.100		109	70-130			
m,p-Xylene	0.217	0.00400	"	0.200		108	70-130			
o-Xylene	0.107	0.00200	"	0.100		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		107	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		95.4	70-130			

Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

**Volatile Organic Compounds by GC/MS SW846 8260D - 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 B0H1806 - EPA 5030 (soil)

Matrix Spike (B0H1806-MS1)		Source: Y008243-01			Prepared: 08/18/2020 Analyzed: 08/18/2020					
Benzene	0.111	0.00200	mg/kg	0.100	ND	111	70-130			
Toluene	0.114	0.00200	"	0.100	ND	114	70-130			
Ethylbenzene	0.116	0.00200	"	0.100	ND	116	70-130			
m,p-Xylene	0.231	0.00400	"	0.200	ND	115	70-130			
o-Xylene	0.110	0.00200	"	0.100	ND	110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		105	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		103	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		95.2	70-130			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

**Volatile Organic Compounds by GC/MS SW846 8260D - 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 B0H1806 - EPA 5030 (soil)

Matrix Spike Dup (B0H1806-MSD1)		Source: Y008243-01			Prepared: 08/18/2020 Analyzed: 08/18/2020					
Benzene	0.107	0.00200	mg/kg	0.100	ND	107	70-130	4.31	20	
Toluene	0.110	0.00200	"	0.100	ND	110	70-130	3.97	20	
Ethylbenzene	0.112	0.00200	"	0.100	ND	112	70-130	3.68	20	
m,p-Xylene	0.222	0.00400	"	0.200	ND	111	70-130	4.04	20	
o-Xylene	0.107	0.00200	"	0.100	ND	107	70-130	3.37	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		105	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		103	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		97.0	70-130			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B0H1807 - EPA 3580										
Blank (B0H1807-BLK1)					Prepared: 08/18/2020 Analyzed: 08/18/2020					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	16		"	25.0		65.2	50-150			

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

**Extractable Petroleum Hydrocarbons by 8015D - 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 B0H1807 - EPA 3580

**LCS (B0H1807-BS1)**

Prepared: 08/18/2020 Analyzed: 08/18/2020

Diesel (C10-C28)	949	50.0	mg/kg	1000		94.9	70-130			
Residual Range Organics (C28-C40)	921	200	"	1000		92.1	70-130			
Surrogate: o-Terphenyl	41		"	50.0		81.7	50-150			

Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

**Extractable Petroleum Hydrocarbons by 8015D - 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 B0H1807 - EPA 3580

Matrix Spike (B0H1807-MS1)		Source: Y008243-01			Prepared: 08/18/2020 Analyzed: 08/18/2020					
Diesel (C10-C28)	868	50.0	mg/kg	1000	ND	86.8	70-130			
Residual Range Organics (C28-C40)	882	200	"	1000	ND	88.2	70-130			
Surrogate: o-Terphenyl	33		"	50.0		66.8	50-150			

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

Brian Sulzberger  
Project Number: 014219024  
Project: KMG - Dragoon Compressor Station

## Extractable Petroleum Hydrocarbons by 8015D - 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 B0H1807 - EPA 3580

Matrix Spike Dup (B0H1807-MSD1)		Source: Y008243-01			Prepared: 08/18/2020 Analyzed: 08/18/2020					
Diesel (C10-C28)	985	50.0	mg/kg	1000	ND	98.5	70-130	12.6	35	
Residual Range Organics (C28-C40)	958	200	"	1000	ND	95.8	70-130	8.21	35	
Surrogate: o-Terphenyl	42		"	50.0		83.8	50-150			

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### Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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