

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
AUGUST LAMBRECHT GU 2
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE, LP

COGCC Allowable Concentration (Soil) -->				Organics (mg/kg)									
				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)
N01@3'	09/08/2017	3'	0.8	<0.200	<25.0	<100	<0.002	<0.002	<0.002	<0.002	NA	0.413	7.97
E01@3'	09/15/2017	3'	0.7	20.3	<25.0	<100	<0.050	<0.050	<0.050	<0.050	NA	0.297	7.55
N02@3'	09/15/2017	3'	18.3	77.9	<25.0	<100	<0.050	<0.050	<0.050	<0.050	NA	0.741	7.37
N03@3'	09/15/2017	3'	6.3	6.36	<25.0	<100	<0.050	<0.050	<0.050	<0.050	NA	0.764	7.54
S01@3'	09/15/2017	3'	0.3	<5.00	<25.0	<100	<0.050	<0.050	<0.050	<0.050	NA	0.346	7.55
S02@3'	09/15/2017	3'	2.1	<5.00	<25.0	<100	<0.050	<0.050	<0.050	<0.050	NA	0.317	7.76
W01@3'	09/15/2017	3'	0.4	<5.00	<25.0	<100	<0.050	<0.050	<0.050	<0.050	NA	0.256	7.88

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



TABLE 2
GROUNDWATER ANALYTICAL AND FIELD RESULTS
AUGUST LAMBRECHT GU 2
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE, LP

Well Name	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Depth to Water/ (Product Thickness) (ft bgs)	Relative GW Elev. (ft)
COGCC Allowable Levels		5	560	700	1400		
GW01	9/8/2017	18.7	18.6	2.28	16.5	4	NA
GW02	9/15/2017	<4.00	<4.00	<4.00	<4.00	4	NA
MW01	8/15/2018	10.8	<1.00	<1.00	<1.00	5.67	94.76
	11/5/2018	9.21	<1.00	<1.00	<1.00	5.55	94.88
	2/12/2019	4.76	<1.00	<1.00	<1.00	6.20	94.23
	5/3/2019	1.34	<1.00	<1.00	<1.00	6.03	94.40
	8/6/2019	17.0	<1.00	<1.00	<1.00	5.92	94.51
	11/4/2019	3.22	<1.00	<1.00	<1.00	5.79	94.64
	2/4/2020	3.45	<1.00	<1.00	<1.00	6.32	94.11
	5/8/2020	<1.00	<1.00	<1.00	<1.00	6.05	94.38
	8/10/2020	<1.00	<1.00	<1.00	<1.00	4.88	95.55
MW02	8/15/2018	<1.00	<1.00	<1.00	<1.00	6.29	91.64
	11/5/2018	<1.00	<1.00	<1.00	<1.00	5.32	92.61
	2/12/2019	<1.00	<1.00	<1.00	<1.00	7.26	90.67
	5/3/2019	<1.00	<1.00	<1.00	<1.00	7.11	90.82
	8/6/2019	<1.00	<1.00	<1.00	<1.00	6.40	91.53
	11/4/2019	<1.00	<1.00	<1.00	<1.00	6.60	91.33
	2/4/2020	<1.00	<1.00	<1.00	<1.00	7.36	90.57
	5/8/2020	<1.00	<1.00	<1.00	<1.00	7.39	90.54
	8/10/2020	<1.00	<1.00	<1.00	<1.00	5.80	92.13
MW03	8/15/2018	<1.00	<1.00	<1.00	<1.00	3.90	94.90
	11/5/2018	<1.00	<1.00	<1.00	<1.00	3.93	94.87
	2/12/2019	<1.00	<1.00	<1.00	<1.00	5.37	93.43
	5/3/2019	<1.00	<1.00	<1.00	<1.00	5.57	93.23
	8/6/2019	<1.00	<1.00	<1.00	<1.00	4.84	93.96
	11/4/2019	<1.00	<1.00	<1.00	<1.00	5.03	93.77
	2/4/2020	<1.00	<1.00	<1.00	<1.00	5.86	92.94
	5/8/2020	<1.00	<1.00	<1.00	<1.00	5.60	93.20
	8/10/2020	<1.00	<1.00	<1.00	<1.00	3.42	95.38
MW04	8/15/2018	<1.00	<1.00	<1.00	<1.00	6.00	92.78
	11/5/2018	<1.00	<1.00	<1.00	<1.00	5.90	92.88
	2/12/2019	<1.00	<1.00	<1.00	<1.00	6.56	92.22
	5/3/2019	<1.00	<1.00	<1.00	<1.00	6.36	92.42
	8/6/2019	<1.00	<1.00	<1.00	<1.00	6.43	92.35
	11/4/2019	<1.00	<1.00	<1.00	<1.00	5.96	92.82



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GROUNDWATER ANALYTICAL AND FIELD RESULTS
AUGUST LAMBRECHT GU 2
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE, LP

Well Name	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Depth to Water/ (Product Thickness) (ft bgs)	Relative GW Elev. (ft)
COGCC Allowable Levels		5	560	700	1400		
	2/4/2020	<1.00	<1.00	<1.00	<1.00	6.53	92.25
	5/8/2020	<1.00	<1.00	<1.00	<1.00	6.40	92.38
	8/10/2020	<1.00	<1.00	<1.00	<1.00	5.53	93.25
<hr/>							
MW05	8/15/2018	<1.00	<1.00	<1.00	<1.00	4.52	93.65
	11/5/2018	<1.00	<1.00	<1.00	<1.00	4.29	93.88
	2/12/2019	<1.00	<1.00	<1.00	<1.00	5.48	92.69
	5/3/2019	<1.00	<1.00	<1.00	<1.00	5.55	92.62
	8/6/2019	<1.00	<1.00	<1.00	<1.00	5.11	93.06
	11/4/2019	<1.00	<1.00	<1.00	<1.00	5.33	92.84
	2/4/2020	<1.00	<1.00	<1.00	<1.00	5.74	92.43
	5/8/2020	<1.00	<1.00	<1.00	<1.00	5.67	92.50
	8/10/2020	<1.00	<1.00	<1.00	<1.00	4.41	93.76
<hr/>							
MW06	8/15/2018	<1.00	<1.00	<1.00	<1.00	5.57	91.26
	11/5/2018	<1.00	<1.00	<1.00	<1.00	5.48	91.35
	2/12/2019	<1.00	<1.00	<1.00	<1.00	6.36	90.47
	5/3/2019	<1.00	<1.00	<1.00	<1.00	6.34	90.49
	8/6/2019	<1.00	<1.00	<1.00	<1.00	5.86	90.97
	11/4/2019	<1.00	<1.00	<1.00	<1.00	5.92	90.91
	2/4/2020	<1.00	<1.00	<1.00	<1.00	6.42	90.41
	5/8/2020	<1.00	<1.00	<1.00	<1.00	6.28	90.55
	8/10/2020	<1.00	<1.00	<1.00	<1.00	5.14	91.69

Notes: COGCC - Colorado Oil and Gas Conservation Commission

µg/L - micrograms per liter

ft bgs - feet below ground surface

< - less than laboratory reporting limit

NA - not analyzed/not available

Excavation groundwater depth is approximate

NM - not measured

Corrected Relative GW Elev. is used when LNAPL is present.

BOLD = Analytical result is in exceedance of COGCC Table 910-1 groundwater standards.





November 06, 2019

LT Environmental, Inc.

Brian Sulzberger

4600 West 60th Avenue

Arvada

CO 80003

Project Name - KMG - August Lambrecht GU #2 Project Number - 014213014/WO #883236

Attached are your analytical results for KMG - August Lambrecht GU #2 received by Origins Laboratory, Inc. November 04, 2019. This project is associated with Origins project number Y911039-01.

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: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	Y911039-01	Water	November 4, 2019 11:30	11/04/2019 14:03
MW02	Y911039-02	Water	November 4, 2019 11:35	11/04/2019 14:03
MW03	Y911039-03	Water	November 4, 2019 11:46	11/04/2019 14:03
MW04	Y911039-04	Water	November 4, 2019 11:53	11/04/2019 14:03
MW05	Y911039-05	Water	November 4, 2019 12:01	11/04/2019 14:03
MW06	Y911039-06	Water	November 4, 2019 12:09	11/04/2019 14:03

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: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

ORIGINS
LABORATORY, INC

Y911039

1725 Elk Place, Denver, CO 80211
Laboratory # - 303.433.1322

Client: LT Environmental, Inc. Project Manager: Brian Sulzberger
Project: KMG - August Lambrecht GU #2 Project Number: 014213014/WO #88323637

Number	Sample Identification	Matrix	Sample Date	Sample Time	Sampled By	Container	Qty	Analyses
01-001	MW01	Water	11/4/2019	1135	HE	40mL Clear Vial Cool to 4°	3	BTEX by EPA 8260C
02-001	MW02	Water		1135		40mL Clear Vial Cool to 4°	3	BTEX by EPA 8260C
03-001	MW03	Water		1146		40mL Clear Vial Cool to 4°	3	BTEX by EPA 8260C
04-001	MW04	Water		1153		40mL Clear Vial Cool to 4°	3	BTEX by EPA 8260C
05-001	MW05	Water		1201		40mL Clear Vial Cool to 4°	3	BTEX by EPA 8260C
06-001	MW06	Water		1259		40mL Clear Vial Cool to 4°	3	BTEX by EPA 8260C

Relinquished By: [Signature] Date / Time: 11/4/19 1453
Received By: [Signature] Date / Time: 11/4/19 1453

Temperature on Receipt: 5.8
Turn Around Time: Same Day: ☐ 24-hr: ☐ 72-hr: ☒ Standard: ☐ 48-hr: ☐

Origins Laboratory, Inc.

Jefe Pellegrini

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

Brian Sulzberger
Project Number: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: Y911039

Client: LTE

Client Project ID: KMG- August Lambrecht GU#2

Checklist Completed by: JE Kpk

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

Date/time completed: 11 / 05 / 2019

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 5.8 °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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input type="checkbox"/>	<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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				

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

Reviewed by (Project Manager) JP

Date/Time Reviewed 11/16/19

Origins Laboratory, Inc.

Jefe Pellegrini

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

Brian Sulzberger
Project Number: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

MW01

11/4/2019 11:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y911039-01 (Water)

BTEX by EPA 8260D

Benzene	3.22	1.00	ug/L	1	B9K0507	KDK	11/05/2019	11/05/2019	
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	94.2 %	70-130			"	"	"
Surrogate: Toluene-d8	102 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	93.7 %	70-130			"	"	"

Origins Laboratory, Inc.



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

Brian Sulzberger
Project Number: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

MW02

11/4/2019 11:35:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y911039-02 (Water)

BTEX by EPA 8260D

Benzene	ND	1.00	ug/L	1	B9K0507	KDK	11/05/2019	11/05/2019	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	93.3 %	70-130	"	"	"
Surrogate: Toluene-d8	99.6 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	96.1 %	70-130	"	"	"

Origins Laboratory, Inc.



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

Brian Sulzberger
Project Number: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

MW03

11/4/2019 11:46:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y911039-03 (Water)

BTEX by EPA 8260D

Benzene	ND	1.00	ug/L	1	B9K0507	KDK	11/05/2019	11/05/2019	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	95.6 %	70-130	"	"	"
Surrogate: Toluene-d8	99.4 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	96.3 %	70-130	"	"	"

Origins Laboratory, Inc.



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

Brian Sulzberger
Project Number: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

MW04

11/4/2019 11:53:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y911039-04 (Water)

BTEX by EPA 8260D

Benzene	ND	1.00	ug/L	1	B9K0507	KDK	11/05/2019	11/05/2019	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	96.6 %	70-130	"	"	"
Surrogate: Toluene-d8	98.7 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	98.1 %	70-130	"	"	"

Origins Laboratory, Inc.



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

Brian Sulzberger
Project Number: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

MW05

11/4/2019 12:01:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y911039-05 (Water)

BTEX by EPA 8260D

Benzene	ND	1.00	ug/L	1	B9K0507	KDK	11/05/2019	11/06/2019	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	95.7 %	70-130	"	"	"
Surrogate: Toluene-d8	99.8 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	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: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

MW06

11/4/2019 12:09:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y911039-06 (Water)

BTEX by EPA 8260D

Benzene	ND	1.00	ug/L	1	B9K0507	KDK	11/05/2019	11/06/2019	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	93.1 %	70-130	"	"	"
Surrogate: Toluene-d8	100 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	96.8 %	70-130	"	"	"

Origins Laboratory, Inc.



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

Brian Sulzberger
Project Number: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

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 B9K0507 - EPA 5030B (Water)

Blank (B9K0507-BLK1)

Prepared: 11/05/2019 Analyzed: 11/05/2019

Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	62		"	62.5		98.9	70-130			
Surrogate: Toluene-d8	63		"	62.5		101	70-130			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		95.7	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: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

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 B9K0507 - EPA 5030B (Water)

LCS (B9K0507-BS1)

Prepared: 11/05/2019 Analyzed: 11/05/2019

Benzene	55.8	1.00	ug/L	50.0		112	70-130			
Toluene	53.5	1.00	"	50.0		107	70-130			
Ethylbenzene	50.8	1.00	"	50.0		102	70-130			
m,p-Xylene	98.2	2.00	"	100		98.2	70-130			
o-Xylene	49.0	1.00	"	50.0		98.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		100	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.3	70-130			

Origins Laboratory, Inc.



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

Brian Sulzberger
Project Number: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

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 B9K0507 - EPA 5030B (Water)

Matrix Spike (B9K0507-MS1)		Source: Y911037-02			Prepared: 11/05/2019 Analyzed: 11/05/2019					
Benzene	61.5	1.00	ug/L	50.0	ND	123	70-130			
Toluene	58.9	1.00	"	50.0	ND	118	70-130			
Ethylbenzene	57.9	1.00	"	50.0	ND	116	70-130			
m,p-Xylene	112	2.00	"	100	ND	112	70-130			
o-Xylene	54.6	1.00	"	50.0	ND	109	70-130			
Surrogate: 1,2-Dichloroethane-d4	56		"	62.5		89.1	70-130			
Surrogate: Toluene-d8	62		"	62.5		98.6	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		98.0	70-130			

Origins Laboratory, Inc.



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

Brian Sulzberger
Project Number: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

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 B9K0507 - EPA 5030B (Water)

Matrix Spike Dup (B9K0507-MSD1)		Source: Y911037-02			Prepared: 11/05/2019 Analyzed: 11/05/2019					
Benzene	62.8	1.00	ug/L	50.0	ND	126	70-130	2.06	20	
Toluene	59.2	1.00	"	50.0	ND	118	70-130	0.457	20	
Ethylbenzene	57.6	1.00	"	50.0	ND	115	70-130	0.485	20	
m,p-Xylene	112	2.00	"	100	ND	112	70-130	0.383	20	
o-Xylene	54.2	1.00	"	50.0	ND	108	70-130	0.753	20	
Surrogate: 1,2-Dichloroethane-d4	55		"	62.5		88.0	70-130			
Surrogate: Toluene-d8	63		"	62.5		101	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.4	70-130			

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

Brian Sulzberger
Project Number: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

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.



February 06, 2020

LT Environmental, Inc.

Brian Sulzberger

4600 West 60th Avenue

Arvada

CO 80003

Project Name - KMG - August Lambrecht GU #2 Project Number - 014213014/WO #883236

Attached are your analytical results for KMG - August Lambrecht GU #2 received by Origins Laboratory, Inc. February 04, 2020. This project is associated with Origins project number Y002025-01.

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: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	Y002025-01	Water	February 4, 2020 12:00	02/04/2020 15:03
MW02	Y002025-02	Water	February 4, 2020 12:06	02/04/2020 15:03
MW03	Y002025-03	Water	February 4, 2020 12:11	02/04/2020 15:03
MW04	Y002025-04	Water	February 4, 2020 12:17	02/04/2020 15:03
MW05	Y002025-05	Water	February 4, 2020 12:25	02/04/2020 15:03
MW06	Y002025-06	Water	February 4, 2020 12:31	02/04/2020 15:03

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: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

www.originslaboratory.com

page 1 of 1

ORIGINS
LABORATORY, INC

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

Project Manager: Brian Sulzberger
Project Name: August Lambrecht GU #2
Project Number: 014213014
Samples Collected By: Taylor Culp

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

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis		Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #	Other		
MW01	02/04/20	1200	3	X				X					1
MW02		1206											2
MW03		1211											3
MW04		1217											4
MW05		1225											5
MW06		1231											6
													7
													8
													9
													10
Relinquished By: <u>Stephen</u>	Date: <u>02/04/20</u>	Time: <u>1503</u>	Received By: <u>[Signature]</u>	Date: <u>2/4/20</u>	Time: <u>1503</u>	Turnaround Time: <input type="checkbox"/> Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input checked="" type="checkbox"/> 72 Hr <input type="checkbox"/> Standard							
Relinquished By:	Date:	Time:	Received By:	Date:	Time:								

Temp Received- 3.7 Date Results Needed

Origins Laboratory, Inc.

Jefe Pellegrini

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

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

Brian Sulzberger
Project Number: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: Y002025

Client: LTE

Client Project ID: August Lambrecht GU #2

Checklist Completed by: JG

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

Date/time completed: 2 / 4 / 2020

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 3.7 °C 1 / 1 °C 1 / 1 °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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Additional Comments (if any):				

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

Reviewed by (Project Manager) JP

Date/Time Reviewed 8/5/20

Origins Laboratory, Inc.

Jen Pellegrini

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

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

Brian Sulzberger
Project Number: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

MW01

2/4/2020 12:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y002025-01 (Water)

BTEX by EPA 8260D

Benzene	3.45	1.00	ug/L	1	B0B0404	KDK	02/04/2020	02/04/2020	
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	108 %	70-130			"	"	"
Surrogate: Toluene-d8	96.2 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	100 %	70-130			"	"	"

Origins Laboratory, Inc.



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

Brian Sulzberger
Project Number: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

MW02

2/4/2020 12:06:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y002025-02 (Water)

BTEX by EPA 8260D

Benzene	ND	1.00	ug/L	1	B0B0404	KDK	02/04/2020	02/04/2020	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	109 %	70-130	"	"	"
Surrogate: Toluene-d8	96.4 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	98.6 %	70-130	"	"	"

Origins Laboratory, Inc.



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

Brian Sulzberger
Project Number: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

MW03

2/4/2020 12:11:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y002025-03 (Water)

BTEX by EPA 8260D

Benzene	ND	1.00	ug/L	1	B0B0404	KDK	02/04/2020	02/04/2020	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	108 %	70-130	"	"	"
Surrogate: Toluene-d8	96.0 %	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: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

MW04

2/4/2020 12:17:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y002025-04 (Water)

BTEX by EPA 8260D

Benzene	ND	1.00	ug/L	1	B0B0404	KDK	02/04/2020	02/04/2020	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	108 %	70-130	"	"	"
Surrogate: Toluene-d8	95.7 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	100 %	70-130	"	"	"

Origins Laboratory, Inc.



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

Brian Sulzberger
Project Number: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

MW05

2/4/2020 12:25:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y002025-05 (Water)

BTEX by EPA 8260D

Benzene	ND	1.00	ug/L	1	B0B0404	KDK	02/04/2020	02/04/2020	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	107 %	70-130	"	"	"
Surrogate: Toluene-d8	96.1 %	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: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

MW06

2/4/2020 12:31:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y002025-06 (Water)

BTEX by EPA 8260D

Benzene	ND	1.00	ug/L	1	B0B0404	KDK	02/04/2020	02/04/2020	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	108 %	70-130	"	"	"
Surrogate: Toluene-d8	96.1 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	100 %	70-130	"	"	"

Origins Laboratory, Inc.



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

Brian Sulzberger
Project Number: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

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 B0B0404 - EPA 5030B (Water)

Blank (B0B0404-BLK1)

Prepared: 02/04/2020 Analyzed: 02/04/2020

Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	66		"	62.5	106		70-130			
Surrogate: Toluene-d8	60		"	62.5	96.0		70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5	100		70-130			

Origins Laboratory, Inc.



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

Brian Sulzberger
Project Number: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

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 B0B0404 - EPA 5030B (Water)

LCS (B0B0404-BS1)

Prepared: 02/04/2020 Analyzed: 02/04/2020

Benzene	50.1	1.00	ug/L	50.0		100	70-130			
Toluene	51.8	1.00	"	50.0		104	70-130			
Ethylbenzene	52.8	1.00	"	50.0		106	70-130			
m,p-Xylene	108	2.00	"	100		108	70-130			
o-Xylene	52.3	1.00	"	50.0		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	62		"	62.5		99.5	70-130			
Surrogate: Toluene-d8	60		"	62.5		95.9	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	70-130			

Origins Laboratory, Inc.



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

Brian Sulzberger
Project Number: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

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 B0B0404 - EPA 5030B (Water)

Matrix Spike (B0B0404-MS1)		Source: Y002025-01			Prepared: 02/04/2020 Analyzed: 02/04/2020					
Benzene	54.7	1.00	ug/L	50.0	3.45	102	70-130			
Toluene	53.7	1.00	"	50.0	ND	107	70-130			
Ethylbenzene	52.8	1.00	"	50.0	ND	106	70-130			
m,p-Xylene	108	2.00	"	100	ND	108	70-130			
o-Xylene	53.0	1.00	"	50.0	0.660	105	70-130			
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5		104	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.3	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.3	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: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

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 B0B0404 - EPA 5030B (Water)

Matrix Spike Dup (B0B0404-MSD1)		Source: Y002025-01			Prepared: 02/04/2020 Analyzed: 02/04/2020					
Benzene	52.3	1.00	ug/L	50.0	3.45	97.7	70-130	4.45	20	
Toluene	51.7	1.00	"	50.0	ND	103	70-130	3.85	20	
Ethylbenzene	51.1	1.00	"	50.0	ND	102	70-130	3.26	20	
m,p-Xylene	104	2.00	"	100	ND	104	70-130	3.86	20	
o-Xylene	51.8	1.00	"	50.0	0.660	102	70-130	2.27	20	
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5		103	70-130			
Surrogate: Toluene-d8	60		"	62.5		96.8	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		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: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

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 15, 2020

LT Environmental, Inc.

Brian Sulzberger

4600 West 60th Avenue

Arvada

CO 80003

Project Name - KMG - August Lambrecht GU #2 Project Number - 014213014/WO #883236

Attached are your analytical results for KMG - August Lambrecht GU #2 received by Origins Laboratory, Inc. May 08, 2020. This project is associated with Origins project number Y005122-01.

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: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	Y005122-01	Water	May 8, 2020 13:15	05/08/2020 15:00
MW02	Y005122-02	Water	May 8, 2020 13:20	05/08/2020 15:00
MW03	Y005122-03	Water	May 8, 2020 13:25	05/08/2020 15:00
MW04	Y005122-04	Water	May 8, 2020 13:30	05/08/2020 15:00
MW05	Y005122-05	Water	May 8, 2020 13:35	05/08/2020 15:00
MW06	Y005122-06	Water	May 8, 2020 13:40	05/08/2020 15:00

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: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

ORIGINS
LABORATORY, INC

1005122

1725 Elk Place, Denver, CO 80211
Laboratory # - 303.433.1322

Client: LT Environmental, Inc.		Project Manager: Brian Sulzberger		Project Number: 014213014/WO #88323637	
Project: KMG - August Lambrecht GU #2		Sample Date		Sample Time	
Sample Number	Sample Identification	Matrix	Sample Date	Sample Time	Analyses
01-001	MW01	Water	5-8-10	1315	3 BTEX by EPA 8260C
02-001	MW02	Water	5-8-10	1326	3 BTEX by EPA 8260C
03-001	MW03	Water	5-8-10	1325	3 BTEX by EPA 8260C
04-001	MW04	Water	5-8-10	1336	3 BTEX by EPA 8260C
05-001	MW05	Water	5-8-10	1335	3 BTEX by EPA 8260C
06-001	MW06	Water	5-8-10	1340	3 BTEX by EPA 8260C

Temperature on Receipt: 15.1
Turn Around Time: 72-hr ☒ Standard ☐

Relinquished By: Date / Time
Received By: Date / Time

Relinquished By: [Signature] Date / Time: 5-8-10 1500
Received By: [Signature] Date / Time: 5-8-10 1500

Origins Laboratory, Inc.

[Signature]

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: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: Y005122

Client: LTE

Client Project ID: KMG - August Lambrecht GU #2

Checklist Completed by: JS KDK

Shipped Via: HD

Date/time completed: 05/11/2020

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

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 13.9 °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 ⁽¹⁾ ?		<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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?			<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		<input checked="" type="checkbox"/>		
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)(pH < 2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH > 10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	
Additional Comments (if any):				

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

Reviewed by (Project Manager) JS

Date/Time Reviewed 5-12-20

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: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

MW01

5/8/2020 1:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y005122-01 (Water)

BTEX by EPA 8260D

Benzene	ND	1.00	ug/L	1	B0E1101	ZZZ	05/11/2020	05/13/2020	U
Toluene	ND	1.00	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	1.00	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	1.00	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130	"	"	"
Surrogate: Toluene-d8	96.9 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	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: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

MW02

5/8/2020 1:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc.
Y005122-02 (Water)

BTEX by EPA 8260D

Benzene	ND	1.00	ug/L	1	B0E1101	ZZZ	05/11/2020	05/13/2020	U
Toluene	ND	1.00	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	1.00	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	1.00	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4	97.7 %	70-130	"	"	"
Surrogate: Toluene-d8	97.4 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	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: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

MW03

5/8/2020 1:25:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y005122-03 (Water)

BTEX by EPA 8260D

Benzene	ND	1.00	ug/L	1	B0E1101	ZZZ	05/11/2020	05/13/2020	U
Toluene	ND	1.00	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	1.00	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	1.00	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4	95.3 %	70-130	"	"	"
Surrogate: Toluene-d8	99.2 %	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: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

MW04

5/8/2020 1:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y005122-04 (Water)

BTEX by EPA 8260D

Benzene	ND	1.00	ug/L	1	B0E1101	ZZZ	05/11/2020	05/13/2020	U
Toluene	ND	1.00	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	1.00	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	1.00	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4	95.3 %	70-130	"	"	"
Surrogate: Toluene-d8	98.4 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	103 %	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: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

MW05

5/8/2020 1:35:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y005122-05 (Water)

BTEX by EPA 8260D

Benzene	ND	1.00	ug/L	1	B0E1101	ZZZ	05/11/2020	05/13/2020	U
Toluene	ND	1.00	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	1.00	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	1.00	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4	97.0 %	70-130	"	"	"
Surrogate: Toluene-d8	97.3 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	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: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

MW06

5/8/2020 1:40:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y005122-06 (Water)

BTEX by EPA 8260D

Benzene	ND	1.00	ug/L	1	B0E1101	ZZZ	05/11/2020	05/13/2020	U
Toluene	ND	1.00	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	1.00	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	1.00	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4	96.5 %	70-130	"	"	"
Surrogate: Toluene-d8	97.7 %	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: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

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 B0E1101 - EPA 5030B (Water)										
Blank (B0E1101-BLK1)					Prepared: 05/11/2020 Analyzed: 05/12/2020					
Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	55		"	62.5		88.6	70-130			
Surrogate: Toluene-d8	69		"	62.5		110	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.3	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: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

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 B0E1101 - EPA 5030B (Water)

LCS (B0E1101-BS1)

Prepared: 05/11/2020 Analyzed: 05/12/2020

Benzene	46.0	1.00	ug/L	50.0		92.0	70-130			
Toluene	47.7	1.00	"	50.0		95.5	70-130			
Ethylbenzene	58.0	1.00	"	50.0		116	70-130			
m,p-Xylene	114	2.00	"	100		114	70-130			
o-Xylene	51.5	1.00	"	50.0		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	52		"	62.5		83.1	70-130			
Surrogate: Toluene-d8	65		"	62.5		104	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		98.0	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: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

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 B0E1101 - EPA 5030B (Water)

Matrix Spike (B0E1101-MS1)		Source: Y005121-02			Prepared: 05/11/2020 Analyzed: 05/13/2020					
Benzene	44.5	1.00	ug/L	50.0	ND	88.9	70-130			
Toluene	44.1	1.00	"	50.0	ND	88.3	70-130			
Ethylbenzene	58.3	1.00	"	50.0	6.72	103	70-130			
m,p-Xylene	107	2.00	"	100	1.27	105	70-130			
o-Xylene	51.2	1.00	"	50.0	ND	102	70-130			
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		97.0	70-130			
Surrogate: Toluene-d8	64		"	62.5		102	70-130			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		96.7	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: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

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 B0E1101 - EPA 5030B (Water)

Matrix Spike Dup (B0E1101-MSD1)		Source: Y005121-02			Prepared: 05/11/2020 Analyzed: 05/13/2020					
Benzene	45.8	1.00	ug/L	50.0	ND	91.6	70-130	2.90	20	
Toluene	45.3	1.00	"	50.0	ND	90.7	70-130	2.70	20	
Ethylbenzene	58.0	1.00	"	50.0	6.72	102	70-130	0.585	20	
m,p-Xylene	109	2.00	"	100	1.27	108	70-130	2.20	20	
o-Xylene	49.9	1.00	"	50.0	ND	99.9	70-130	2.59	20	
Surrogate: 1,2-Dichloroethane-d4	59		"	62.5		94.3	70-130			
Surrogate: Toluene-d8	62		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		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: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

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 17, 2020

LT Environmental, Inc.

Brian Sulzberger

4600 West 60th Avenue

Arvada

CO 80003

Project Name - KMG - August Lambrecht GU #2 Project Number - 014213014/WO #883236

Attached are your analytical results for KMG - August Lambrecht GU #2 received by Origins Laboratory, Inc. August 10, 2020. This project is associated with Origins project number Y008146-01.

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: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	Y008146-01	Water	August 10, 2020 12:30	08/10/2020 16:55
MW02	Y008146-02	Water	August 10, 2020 12:37	08/10/2020 16:55
MW03	Y008146-03	Water	August 10, 2020 12:43	08/10/2020 16:55
MW04	Y008146-04	Water	August 10, 2020 12:24	08/10/2020 16:55
MW05	Y008146-05	Water	August 10, 2020 12:50	08/10/2020 16:55
MW06	Y008146-06	Water	August 10, 2020 12:56	08/10/2020 16:55

Origins Laboratory, Inc.



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

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

Brian Sulzberger
Project Number: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

ORIGINS
LABORATORY, INC

1008146

Page 1 of 1

1725 Elk Place, Denver, CO 80211
Laboratory # - 303.433.1322

Client: LT Environmental, Inc.		Project Manager: Brian Sulzberger					
Project: KMG - August Lambrecht GU #2		Project Number: 014213014/WO #88323637					
Number	Sample Identification	Matrix	Sample Date	Sample Time	Container	Qty	Analyses
01-001	MW01	Water	8-10-20	1236	40mL Clear Vial Cool to 4°	2	BTEX by EPA 8260C
02-001	MW02	Water		1237	40mL Clear Vial Cool to 4°	3	BTEX by EPA 8260C
03-001	MW03	Water		1243	40mL Clear Vial Cool to 4°	3	BTEX by EPA 8260C
04-001	MW04	Water		1224	40mL Clear Vial Cool to 4°	3	BTEX by EPA 8260C
05-001	MW05	Water		1250	40mL Clear Vial Cool to 4°	3	BTEX by EPA 8260C
06-001	MW06	Water		1256	40mL Clear Vial Cool to 4°	3	BTEX by EPA 8260C

Relinquished By: [Signature] Date / Time: 8-10-20 4:16 pm
Received By: [Signature] Date / Time: 8-10-20 4:16 pm

Relinquished By: [Signature] Date / Time: 8-10-20 1655
Received By: [Signature] Date / Time: 8-10-20 1655

Temperature on Receipt: 8.1
Turn Around Time: ☐ 72-hr ☒ Standard
Same Day: ☐ 24-hr ☐ 48-hr

Origins Laboratory, Inc.

[Signature]

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: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: Y008146

Client: LTE

Client Project ID: August Lambrecht GU #2

Checklist Completed by: JG

Shipped Via: HD

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

Date/time completed: 8/11/20

Airbill #: N/A

Matrix(s) Received: (Check all that apply):

Soil/Solid

☒ Water

Other:

Cooler Number/Temperature: 1, 8.1 °C

/ °C / °C (Describe)

Thermometer ID: T003

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

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

Reviewed by Jm (Project Manager)

8-12-20
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: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

MW01

8/10/2020 12:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y008146-01 (Water)

BTEX by EPA 8260D

Benzene	ND	1.00	ug/L	1	B0H1011	KDK	08/10/2020	08/12/2020	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130	"	"	"
Surrogate: Toluene-d8	102 %	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: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

MW02

8/10/2020 12:37:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y008146-02 (Water)

BTEX by EPA 8260D

Benzene	ND	1.00	ug/L	1	B0H1011	KDK	08/10/2020	08/12/2020	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	102 %	70-130	"	"	"
Surrogate: Toluene-d8	100 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	104 %	70-130	"	"	"

Origins Laboratory, Inc.



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

Brian Sulzberger
Project Number: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

MW03

8/10/2020 12:43:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y008146-03 (Water)

BTEX by EPA 8260D

Benzene	ND	1.00	ug/L	1	B0H1011	KDK	08/10/2020	08/12/2020	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	100 %	70-130	"	"	"
Surrogate: Toluene-d8	101 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	94.6 %	70-130	"	"	"

Origins Laboratory, Inc.



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Project: KMG - August Lambrecht GU #2

MW04

8/10/2020 12:24:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y008146-04 (Water)

BTEX by EPA 8260D

Benzene	ND	1.00	ug/L	1	B0H1011	KDK	08/10/2020	08/12/2020	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	101 %	70-130	"	"	"
Surrogate: Toluene-d8	99.8 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	103 %	70-130	"	"	"

Origins Laboratory, Inc.



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Brian Sulzberger
Project Number: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

MW05

8/10/2020 12:50:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y008146-05 (Water)

BTEX by EPA 8260D

Benzene	ND	1.00	ug/L	1	B0H1011	KDK	08/10/2020	08/12/2020	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	102 %	70-130	"	"	"
Surrogate: Toluene-d8	100 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	101 %	70-130	"	"	"

Origins Laboratory, Inc.

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4600 West 60th Avenue
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Brian Sulzberger
Project Number: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

MW06

8/10/2020 12:56:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y008146-06 (Water)

BTEX by EPA 8260D

Benzene	ND	1.00	ug/L	1	B0H1011	KDK	08/10/2020	08/12/2020	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	99.8 %	70-130	"	"	"
Surrogate: Toluene-d8	101 %	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: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

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 B0H1011 - EPA 5030B (Water)

Blank (B0H1011-BLK1)

Prepared: 08/10/2020 Analyzed: 08/12/2020

Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	59		"	62.5	93.9		70-130			
Surrogate: Toluene-d8	63		"	62.5	101		70-130			
Surrogate: 4-Bromofluorobenzene	59		"	62.5	94.6		70-130			

Origins Laboratory, Inc.



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Arvada CO 80003

Brian Sulzberger
Project Number: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

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 B0H1011 - EPA 5030B (Water)

LCS (B0H1011-BS1)

Prepared: 08/10/2020 Analyzed: 08/12/2020

Benzene	44.9	1.00	ug/L	50.0		89.8	70-130			
Toluene	45.8	1.00	"	50.0		91.7	70-130			
Ethylbenzene	45.7	1.00	"	50.0		91.5	70-130			
m,p-Xylene	91.1	2.00	"	100		91.1	70-130			
o-Xylene	46.8	1.00	"	50.0		93.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		97.2	70-130			
Surrogate: Toluene-d8	63		"	62.5		101	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		98.1	70-130			

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Project: KMG - August Lambrecht GU #2

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 B0H1011 - EPA 5030B (Water)

Matrix Spike (B0H1011-MS1)		Source: Y008122-01			Prepared: 08/10/2020 Analyzed: 08/12/2020					
Benzene	47.8	1.00	ug/L	50.0	ND	95.7	70-130			
Toluene	50.2	1.00	"	50.0	ND	100	70-130			
Ethylbenzene	48.7	1.00	"	50.0	ND	97.5	70-130			
m,p-Xylene	97.8	2.00	"	100	ND	97.8	70-130			
o-Xylene	51.4	1.00	"	50.0	ND	103	70-130			
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		98.2	70-130			
Surrogate: Toluene-d8	65		"	62.5		104	70-130			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		96.3	70-130			

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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 B0H1011 - EPA 5030B (Water)

Matrix Spike Dup (B0H1011-MSD1)		Source: Y008122-01			Prepared: 08/10/2020 Analyzed: 08/12/2020					
Benzene	46.6	1.00	ug/L	50.0	ND	93.2	70-130	2.67	20	
Toluene	47.1	1.00	"	50.0	ND	94.2	70-130	6.37	20	
Ethylbenzene	48.0	1.00	"	50.0	ND	96.0	70-130	1.51	20	
m,p-Xylene	96.2	2.00	"	100	ND	96.2	70-130	1.66	20	
o-Xylene	48.8	1.00	"	50.0	ND	97.6	70-130	5.15	20	
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		97.7	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.7	70-130			

Origins Laboratory, Inc.



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Arvada CO 80003

Brian Sulzberger
Project Number: 014213014/WO #88323637
Project: KMG - August Lambrecht GU #2

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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