



September 18, 2017

LT Environmental, Inc.

Chris Purcell

4600 West 60th Avenue

Arvada

CO 80003

Project Name - Ritchey 26

Project Number - 066017003

Attached are your analytical results for Ritchey 26 received by Origins Laboratory, Inc. September 11, 2017. This project is associated with Origins project number Y709138-01.

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

Chris Purcell
Project Number: 066017003
Project: Ritchey 26

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S1@1'	Y709138-01	Soil	September 11, 2017 11:05	09/11/2017 14:45
S2@1'	Y709138-02	Soil	September 11, 2017 12:05	09/11/2017 14:45
S3@1'	Y709138-03	Soil	September 11, 2017 12:10	09/11/2017 14:45
S4@1'	Y709138-04	Soil	September 11, 2017 12:15	09/11/2017 14:45
S5@1'	Y709138-05	Soil	September 11, 2017 13:00	09/11/2017 14:45
S6@1'	Y709138-06	Soil	September 11, 2017 13:30	09/11/2017 14:45

Origins Laboratory, Inc.



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

Chris Purcell
Project Number: 066017003
Project: Ritchey 26

ORIGINS
LABORATORY, INC

www.originslaboratory.com

170138

page 1 of 1

Client: LT Environmental
Address: 4600 W. 60th Ave.
Arvada, CO 80003
Telephone Number: 303 433 9788
Email Address: cpurcell@ltenv.com

Project Manager: Chris Purcell
Project Name: Ritchey 26
Project Number: 066017003
Samples Collected By: Jeff Brader

Fax: 303.265.9645

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis		Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa #	Other	TPH (6.0-6.5)	
S1 @ 1'	9-11-17	1105	2	✓									1
S2 @ 1'		1205	2										2
S3 @ 1'		1210	2										3
S4 @ 1'		1215	2										4
S5 @ 1'		1300	2										5
S6 @ 1'		1330	2										6
													7
													8
													9
													10
Relinquished By: <i>[Signature]</i>	Date: 9-11-17	Time: 1445		Received By: <i>[Signature]</i>	Date: 9-11-17	Time: 1445		Turnaround Time: Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input checked="" type="checkbox"/> Standard					
Relinquished By:	Date:	Time:		Received By:	Date:	Time:							

Date Results Needed

Temp Received: 15.5°C

Origins Laboratory, Inc.

Jeff Pellegrini

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

Chris Purcell
Project Number: 066017003
Project: Ritchey 26

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: Y709138

Client: LTE

Client Project ID: Ritchey 26 26

Checklist Completed by: Dina

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

Date/time completed: 9-12-17 1104

Airbill #: NP

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

Cooler Number/Temperature: 1 15.5 °C 1 °C 1 °C (Describe)

Thermometer ID: T003

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

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

Reviewed by (Project Manager) JP

Date/Time Reviewed 9/13/17

Origins Laboratory, Inc.

Jen Pellegrini

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

Chris Purcell
Project Number: 066017003
Project: Ritchey 26

S1@1'

9/11/2017 11:05:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y709138-01 (Soil)

DRO/RRO by EPA8015C

Diesel (C10-C28)	198	50.0	mg/kg	1	B711306	09/13/2017	09/13/2017	
Residual Range Organics (C28-C40)	ND	200	"	"	"	"	"	U

Surrogate: o-Terphenyl	89.5 %	59-131			"	"	"	
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GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	7.04	0.200	mg/kg	1	B711302	09/13/2017	09/13/2017	
Benzene	0.009	0.002	"	"	"	"	"	
Toluene	0.055	0.002	"	"	"	"	"	
Ethylbenzene	0.038	0.002	"	"	"	"	"	
Xylenes, total	0.246	0.002	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	100 %	70-130			"	"	"	
Surrogate: Toluene-d8	79.9 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	113 %	70-130			"	"	"	

pH in Soil by EPA 9045D

pH	8.06		pH Units	1	B711307	09/13/2017	09/14/2017	
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.0537		mmhos/cm	"	B711308	"	"	
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Origins Laboratory, Inc.



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

Chris Purcell
Project Number: 066017003
Project: Ritchey 26

S2@1'

9/11/2017 12:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y709138-02 (Soil)

DRO/RRO by EPA8015C

Diesel (C10-C28)	184	50.0	mg/kg	1	B711306	09/13/2017	09/14/2017	
Residual Range Organics (C28-C40)	ND	200	"	"	"	"	"	U

Surrogate: o-Terphenyl	90.2 %	59-131			"	"	"	
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GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	4.57	0.200	mg/kg	1	B711302	09/13/2017	09/14/2017	
Benzene	0.007	0.002	"	"	"	"	"	
Toluene	0.045	0.002	"	"	"	"	"	
Ethylbenzene	0.022	0.002	"	"	"	"	"	
Xylenes, total	0.146	0.002	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	98.5 %	70-130			"	"	"	
Surrogate: Toluene-d8	85.9 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	104 %	70-130			"	"	"	

pH in Soil by EPA 9045D

pH	7.94		pH Units	1	B711307	09/13/2017	09/14/2017	
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.0398		mmhos/cm	"	B711308	"	"	
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Origins Laboratory, Inc.



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

Chris Purcell
Project Number: 066017003
Project: Ritchey 26

S3@1'

9/11/2017 12:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y709138-03 (Soil)

DRO/RRO by EPA8015C

Diesel (C10-C28)	81.7	50.0	mg/kg	1	B711306	09/13/2017	09/14/2017	
Residual Range Organics (C28-C40)	ND	200	"	"	"	"	"	U

Surrogate: o-Terphenyl	82.2 %	59-131			"	"	"	
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GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	5.11	0.200	mg/kg	1	B711302	09/13/2017	09/14/2017	
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	0.015	0.002	"	"	"	"	"	
Ethylbenzene	0.022	0.002	"	"	"	"	"	
Xylenes, total	0.168	0.002	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	101 %	70-130			"	"	"	
Surrogate: Toluene-d8	88.1 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	109 %	70-130			"	"	"	

pH in Soil by EPA 9045D

pH	7.88		pH Units	1	B711307	09/13/2017	09/14/2017	
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.0334		mmhos/cm	"	B711308	"	"	
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Origins Laboratory, Inc.



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

Chris Purcell
Project Number: 066017003
Project: Ritchey 26

S4@1'

9/11/2017 12:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y709138-04 (Soil)

DRO/RRO by EPA8015C

Diesel (C10-C28)	75.8	50.0	mg/kg	1	B711306	09/13/2017	09/14/2017	
Residual Range Organics (C28-C40)	ND	200	"	"	"	"	"	U

Surrogate: o-Terphenyl	82.2 %	59-131			"	"	"	
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GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	3.25	0.200	mg/kg	1	B711302	09/13/2017	09/14/2017	
Benzene	0.002	0.002	"	"	"	"	"	
Toluene	0.016	0.002	"	"	"	"	"	
Ethylbenzene	0.013	0.002	"	"	"	"	"	
Xylenes, total	0.103	0.002	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	99.5 %	70-130			"	"	"	
Surrogate: Toluene-d8	91.9 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	105 %	70-130			"	"	"	

pH in Soil by EPA 9045D

pH	8.00		pH Units	1	B711307	09/13/2017	09/14/2017	
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.0325		mmhos/cm	"	B711308	"	"	
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Origins Laboratory, Inc.



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

Chris Purcell
Project Number: 066017003
Project: Ritchey 26

S5@1'
9/11/2017 1:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y709138-05 (Soil)

DRO/RRO by EPA8015C

Diesel (C10-C28)	84.3	50.0	mg/kg	1	B711306	09/13/2017	09/14/2017	
Residual Range Organics (C28-C40)	ND	200	"	"	"	"	"	U

Surrogate: o-Terphenyl 94.2 % 59-131 " " "

GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	0.599	0.200	mg/kg	1	B711302	09/13/2017	09/14/2017	
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	0.003	0.002	"	"	"	"	"	
Ethylbenzene	0.008	0.002	"	"	"	"	"	
Xylenes, total	0.021	0.002	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4 98.0 % 70-130 " " "

Surrogate: Toluene-d8 98.8 % 70-130 " " "

Surrogate: 4-Bromofluorobenzene 100 % 70-130 " " "

pH in Soil by EPA 9045D

pH	8.12		pH Units	1	B711307	09/13/2017	09/14/2017	
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.0281		mmhos/cm	"	B711308	"	"	
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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Chris Purcell
Project Number: 066017003
Project: Ritchey 26

S6@1'
9/11/2017 1:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y709138-06 (Soil)

DRO/RRO by EPA8015C

Diesel (C10-C28)	ND	50.0	mg/kg	1	B711306	09/13/2017	09/14/2017	U
Residual Range Organics (C28-C40)	ND	200	"	"	"	"	"	U

Surrogate: o-Terphenyl 75.2 % 59-131 " " "

GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B711302	09/13/2017	09/14/2017	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 100 % 70-130 " " "
Surrogate: Toluene-d8 100 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 99.8 % 70-130 " " "

pH in Soil by EPA 9045D

pH	7.96		pH Units	1	B711307	09/13/2017	09/14/2017	
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.0181		mmhos/cm	"	B711308	"	"	
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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Chris Purcell
Project Number: 066017003
Project: Ritchey 26

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 B711302 - EPA 5030 (soil)										
Blank (B711302-BLK1)					Prepared: 09/13/2017 Analyzed: 09/13/2017					
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	58		ug/kg	62.5		92.8	70-130			
Surrogate: Toluene-d8	64		"	62.5		103	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.5	70-130			

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4600 West 60th Avenue
Arvada CO 80003

Chris Purcell
Project Number: 066017003
Project: Ritchey 26

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 B7I1302 - EPA 5030 (soil)										
LCS (B7I1302-BS1)					Prepared: 09/13/2017 Analyzed: 09/13/2017					
Benzene	0.092	0.002	mg/kg	0.100		92.0	77.1-124			
Toluene	0.094	0.002	"	0.100		94.2	74.5-128			
Ethylbenzene	0.088	0.002	"	0.100		87.6	66.4-127			
m,p-Xylene	0.170	0.004	"	0.200		84.9	76.6-124			
o-Xylene	0.087	0.002	"	0.100		86.9	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	56		ug/kg	62.5		89.1	70-130			
Surrogate: Toluene-d8	64		"	62.5		103	70-130			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		95.8	70-130			

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Project Number: 066017003
Project: Ritchey 26

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 B711302 - EPA 5030 (soil)										
Matrix Spike (B711302-MS1)		Source: Y709138-01			Prepared: 09/13/2017 Analyzed: 09/13/2017					
Benzene	0.102	0.002	mg/kg	0.100	0.009	93.4	71.8-126			QM-07
Toluene	0.114	0.002	"	0.100	0.055	59.0	65.1-130			
Ethylbenzene	0.114	0.002	"	0.100	0.038	76.2	62.2-130			
m,p-Xylene	0.260	0.004	"	0.200	0.165	47.6	46.5-137			
o-Xylene	0.136	0.002	"	0.100	0.081	55.3	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	57		ug/kg	62.5		91.9	70-130			
Surrogate: Toluene-d8	56		"	62.5		90.0	70-130			
Surrogate: 4-Bromofluorobenzene	67		"	62.5		107	70-130			

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4600 West 60th Avenue
Arvada CO 80003

Chris Purcell
Project Number: 066017003
Project: Ritchey 26

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 B711302 - EPA 5030 (soil)										
Matrix Spike Dup (B711302-MSD1)			Source: Y709138-01		Prepared: 09/13/2017 Analyzed: 09/13/2017					
Benzene	0.103	0.002	mg/kg	0.100	0.009	94.6	71.8-126	1.15	11.3	
Toluene	0.127	0.002	"	0.100	0.055	71.5	65.1-130	10.4	15.4	
Ethylbenzene	0.128	0.002	"	0.100	0.038	89.7	62.2-130	11.1	19.6	
m,p-Xylene	0.308	0.004	"	0.200	0.165	71.4	46.5-137	16.8	19.2	
o-Xylene	0.161	0.002	"	0.100	0.081	80.1	54.2-134	16.6	17.9	
Surrogate: 1,2-Dichloroethane-d4	60		ug/kg	62.5		95.3	70-130			
Surrogate: Toluene-d8	55		"	62.5		87.7	70-130			
Surrogate: 4-Bromofluorobenzene	69		"	62.5		111	70-130			

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Chris Purcell
Project Number: 066017003
Project: Ritchey 26

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 B711306 - EPA 3580

Blank (B711306-BLK1)

Prepared: 09/13/2017 Analyzed: 09/13/2017

Diesel (C10-C28)	ND	50.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	200	"							U
Surrogate: o-Terphenyl	44		"	50.0		88.7	59-131			

Blank (B711306-BLK2)

Prepared: 09/13/2017 Analyzed: 09/14/2017

Diesel (C10-C28)	ND	50.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	200	"							U
Surrogate: o-Terphenyl	45		"	50.0		89.2	59-131			

LCS (B711306-BS1)

Prepared: 09/13/2017 Analyzed: 09/13/2017

Diesel (C10-C28)	875	50.0	mg/kg	1000		87.5	64-121			
Residual Range Organics (C28-C40)	1010	200	"	1000		101	58-124			
Surrogate: o-Terphenyl	45		"	50.0		90.6	59-131			

LCS (B711306-BS2)

Prepared: 09/13/2017 Analyzed: 09/14/2017

Diesel (C10-C28)	887	50.0	mg/kg	1000		88.7	64-121			
Residual Range Organics (C28-C40)	1060	200	"	1000		106	58-124			
Surrogate: o-Terphenyl	46		"	50.0		91.1	59-131			

Matrix Spike (B711306-MS1)

Source: Y709138-01

Prepared: 09/13/2017 Analyzed: 09/13/2017

Diesel (C10-C28)	1000	50.0	mg/kg	1000	198	80.7	53-125			
Residual Range Organics (C28-C40)	1080	200	"	1000	91.8	98.4	47-133			

Origins Laboratory, Inc.



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

Chris Purcell
Project Number: 066017003
Project: Ritchey 26

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B711306 - EPA 3580										
Matrix Spike (B711306-MS1)		Source: Y709138-01			Prepared: 09/13/2017 Analyzed: 09/13/2017					
Surrogate: o-Terphenyl	47		mg/kg	50.0		94.3	59-131			
Matrix Spike (B711306-MS2)		Source: Y709159-01			Prepared: 09/13/2017 Analyzed: 09/14/2017					
Diesel (C10-C28)	1180	50.0	mg/kg	1000	22.6	115	53-125			
Residual Range Organics (C28-C40)	1400	200	"	1000	26.0	137	47-133			QM-07
Surrogate: o-Terphenyl	63		"	50.0		126	59-131			
Matrix Spike Dup (B711306-MSD1)		Source: Y709138-01			Prepared: 09/13/2017 Analyzed: 09/13/2017					
Diesel (C10-C28)	1130	50.0	mg/kg	1000	198	93.0	53-125	14.2	20	
Residual Range Organics (C28-C40)	1110	200	"	1000	91.8	102	47-133	3.47	20	
Surrogate: o-Terphenyl	51		"	50.0		102	59-131			
Matrix Spike Dup (B711306-MSD2)		Source: Y709159-01			Prepared: 09/13/2017 Analyzed: 09/14/2017					
Diesel (C10-C28)	1050	50.0	mg/kg	1000	22.6	103	53-125	11.5	20	
Residual Range Organics (C28-C40)	1270	200	"	1000	26.0	124	47-133	9.98	20	
Surrogate: o-Terphenyl	57		"	50.0		114	59-131			

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

Chris Purcell
Project Number: 066017003
Project: Ritchey 26

Classical Chemistry Parameters - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B7I1307 - NO PREP										
Duplicate (B7I1307-DUP1)		Source: Y709138-01			Prepared: 09/13/2017 Analyzed: 09/14/2017					
pH	8.02		pH Units		8.06			0.498	25	
Batch B7I1308 - NO PREP										
Blank (B7I1308-BLK1)		Prepared: 09/14/2017 Analyzed: 09/14/2017								
Specific Conductance (EC)	0.00390		mmhos/cm							
Duplicate (B7I1308-DUP1)		Source: Y709138-01			Prepared: 09/13/2017 Analyzed: 09/14/2017					
Specific Conductance (EC)	0.0544		mmhos/cm		0.0537			1.30	25	

Origins Laboratory, Inc.



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Project Number: 066017003
Project: Ritchey 26

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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