



December 04, 2017

LT Environmental, Inc.

Jeremy Pike

4600 West 60th Avenue

Arvada

CO 80003

Project Name - SRC - Phelps Pad

Project Number - 04717043

Attached are your analytical results for SRC - Phelps Pad received by Origins Laboratory, Inc. November 28, 2017. This project is associated with Origins project number Y711398-01.

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

Jeremy Pike
Project Number: 04717043
Project: SRC - Phelps Pad

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB01@18"	Y711398-01	Soil	November 28, 2017 9:45	11/28/2017 13:00
SB02@12"	Y711398-02	Soil	November 28, 2017 10:00	11/28/2017 13:00
SB03@6"	Y711398-03	Soil	November 28, 2017 10:15	11/28/2017 13:00
SB04@6"	Y711398-04	Soil	November 28, 2017 10:30	11/28/2017 13:00
SB05@18"	Y711398-05	Soil	November 28, 2017 10:45	11/28/2017 13:00

Origins Laboratory, Inc.



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Jeremy Pike
Project Number: 04717043
Project: SRC - Phelps Pad

ORIGINS

LABORATORY, INC

www.originslaboratory.com

page 1 of 1

Client: SRC Energy

Address: 5106 W. 11th Street Suite C

Greeley, CO 80634

Telephone Number: (970) 475-5742

Email Address: brogers@srcenergy.com, jpike@henv.com, skalm@henv.com

Project Manager: Jeremy Pike (jpike@henv.com)

Project Name: Phelps Pad

Project Number: 0477043

Samples Collected By: B. Finn

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 - G80	TPH - D80	
S801 @ 18"	11/23/2017	0945	1	X					X				X	1
S802 @ 12"		1000	1											2
S803 @ 6"		1015	1											3
S804 @ 6"		1030	1											4
S805 @ 18"		1045	2										X	5
													X	6
													X	7
													X	8
													X	9
													X	10

Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Turnaround Time:
B. Finn	11/23/2017	1300	[Signature]	11-28-17	1300	Same Day <input type="checkbox"/> 24 Hr <input checked="" type="checkbox"/>
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input type="checkbox"/>

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

Temp Received: 41.1

Date Results Needed

Origins Laboratory, Inc.

Jeff Pellgrini

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

Jeremy Pike
Project Number: 04717043
Project: SRC - Phelps Pad

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 1711398

Client: LTE

Client Project ID: SRC - Phelps Pad

Checklist Completed by: Dan Lee

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

Date/time completed: 11-29-12

Airbill #: WA

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

Cooler Number/Temperature: 1 14.1 °C 1 °C 1 °C (Describe) 1 °C

Thermometer ID: 1003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽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"/>			74
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		NO. No depths on COC -
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"/>	<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) [Signature]

Date/Time Reviewed 11/29/12

Origins Laboratory, Inc.

Jen Pellegrini

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

Jeremy Pike
Project Number: 04717043
Project: SRC - Phelps Pad

SB01@18"

11/28/2017 9:45:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y711398-01 (Soil)

Diesel Range Organics (DRO/TEPH) by EPA 8015C

Diesel (C10-C28)	484	50.0	mg/kg	1	B7K2803	11/28/2017	11/29/2017
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Surrogate: o-Terphenyl	95.0 %	59-131			"	"	"
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GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	3.31	0.200	mg/kg	1	B7K2802	11/28/2017	11/29/2017	
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	119 %	70-130			"	"	"
Surrogate: Toluene-d8	93.2 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	105 %	70-130			"	"	"

Origins Laboratory, Inc.



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

Jeremy Pike
Project Number: 04717043
Project: SRC - Phelps Pad

SB02@12"

11/28/2017 10:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y711398-02 (Soil)

Diesel Range Organics (DRO/TEPH) by EPA 8015C

Diesel (C10-C28)	92.9	50.0	mg/kg	1	B7K2803	11/28/2017	11/29/2017
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Surrogate: o-Terphenyl	86.0 %	59-131			"	"	"
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GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	1.99	0.200	mg/kg	1	B7K2802	11/28/2017	11/29/2017	
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	117 %	70-130			"	"	"
Surrogate: Toluene-d8	96.1 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	103 %	70-130			"	"	"

Origins Laboratory, Inc.



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

Jeremy Pike
Project Number: 04717043
Project: SRC - Phelps Pad

SB03@6"

11/28/2017 10:15:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y711398-03 (Soil)

Diesel Range Organics (DRO/TEPH) by EPA 8015C

Diesel (C10-C28)	134	50.0	mg/kg	1	B7K2803	11/28/2017	11/29/2017
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Surrogate: o-Terphenyl	87.8 %	59-131			"	"	"
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GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	0.392	0.200	mg/kg	1	B7K2802	11/28/2017	11/29/2017	
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	0.003	0.002	"	"	"	"	"	
Xylenes, total	0.002	0.002	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	119 %	70-130			"	"	"
Surrogate: Toluene-d8	96.5 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	99.1 %	70-130			"	"	"

Origins Laboratory, Inc.



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

Jeremy Pike
Project Number: 04717043
Project: SRC - Phelps Pad

SB04@6"

11/28/2017 10:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y711398-04 (Soil)

Diesel Range Organics (DRO/TEPH) by EPA 8015C

Diesel (C10-C28)	423	50.0	mg/kg	1	B7K2803	11/28/2017	11/29/2017
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Surrogate: o-Terphenyl	101 %	59-131			"	"	"
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GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	3.45	0.200	mg/kg	1	B7K2802	11/28/2017	11/29/2017
Benzene	0.002	0.002	"	"	"	"	"
Toluene	0.007	0.002	"	"	"	"	"
Ethylbenzene	0.012	0.002	"	"	"	"	"
Xylenes, total	0.130	0.002	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	119 %	70-130			"	"	"
Surrogate: Toluene-d8	87.5 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	108 %	70-130			"	"	"

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Arvada CO 80003

Jeremy Pike
Project Number: 04717043
Project: SRC - Phelps Pad

SB05@18"

11/28/2017 10:45:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y711398-05 (Soil)

Diesel Range Organics (DRO/TEPH) by EPA 8015C

Diesel (C10-C28)	362	50.0	mg/kg	1	B7K2803	11/28/2017	11/29/2017
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Surrogate: o-Terphenyl	112 %	59-131			"	"	"
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GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	352	5.00	mg/kg	25	B7K2802	11/28/2017	11/29/2017
Benzene	0.468	0.050	"	"	"	"	"
Toluene	3.04	0.050	"	"	"	"	"
Ethylbenzene	1.92	0.050	"	"	"	"	"
Xylenes, total	12.2	0.050	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	109 %	70-130			"	"	"
Surrogate: Toluene-d8	104 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	132 %	70-130			"	"	" S-04

Metals (Saturated Paste Prep)

Calcium	3.06		me/L	1	'[none]'	11/29/2017	12/01/2017
Magnesium	3.23		"	"	"	"	"
Sodium	15.44		"	"	"	"	"

pH in Soil by EPA 9045D

pH	8.28		pH Units	1	B7K2804	11/28/2017	11/28/2017
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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Jeremy Pike
Project Number: 04717043
Project: SRC - Phelps Pad

SB05@18"

11/28/2017 10:45:00AM

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit						

Origins Laboratory, Inc.
Y711398-05 (Soil)

SAR by 20B Saturated Paste

SAR	8.71			1	'[none]'	11/29/2017	12/01/2017
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.0303		mmhos/cm	1	B7K2805	11/28/2017	11/28/2017
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4600 West 60th Avenue
Arvada CO 80003

Jeremy Pike
Project Number: 04717043
Project: SRC - Phelps Pad

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B7K2802 - EPA 5030 (soil)										
Blank (B7K2802-BLK1)					Prepared: 11/28/2017 Analyzed: 11/28/2017					
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	65		ug/kg	62.5		103	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.9	70-130			
Surrogate: 4-Bromofluorobenzene	59		"	62.5		94.8	70-130			

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Arvada CO 80003

Jeremy Pike
Project Number: 04717043
Project: SRC - Phelps Pad

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B7K2802 - EPA 5030 (soil)										
Blank (B7K2802-BLK2)					Prepared: 11/28/2017 Analyzed: 11/28/2017					
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	67		ug/kg	62.5		107	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.3	70-130			
Surrogate: 4-Bromofluorobenzene	59		"	62.5		94.8	70-130			

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Arvada CO 80003

Jeremy Pike
Project Number: 04717043
Project: SRC - Phelps Pad

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B7K2802 - EPA 5030 (soil)										
LCS (B7K2802-BS1)					Prepared: 11/28/2017 Analyzed: 11/28/2017					
Benzene	0.099	0.002	mg/kg	0.100		99.0	77.1-124			
Toluene	0.103	0.002	"	0.100		103	74.5-128			
Ethylbenzene	0.099	0.002	"	0.100		99.3	66.4-127			
m,p-Xylene	0.212	0.004	"	0.200		106	76.6-124			
o-Xylene	0.099	0.002	"	0.100		99.2	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	63		ug/kg	62.5		100	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.4	70-130			

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Jeremy Pike
Project Number: 04717043
Project: SRC - Phelps Pad

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B7K2802 - EPA 5030 (soil)										
LCS (B7K2802-BS2)					Prepared: 11/28/2017 Analyzed: 11/28/2017					
Benzene	0.102	0.002	mg/kg	0.100		102	77.1-124			
Toluene	0.108	0.002	"	0.100		108	74.5-128			
Ethylbenzene	0.100	0.002	"	0.100		100	66.4-127			
m,p-Xylene	0.217	0.004	"	0.200		109	76.6-124			
o-Xylene	0.101	0.002	"	0.100		101	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	61		ug/kg	62.5		97.3	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		96.9	70-130			

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Arvada CO 80003

Jeremy Pike
Project Number: 04717043
Project: SRC - Phelps Pad

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B7K2802 - EPA 5030 (soil)

Matrix Spike (B7K2802-MS1)		Source: Y711330-03			Prepared: 11/28/2017 Analyzed: 11/28/2017					
Benzene	0.096	0.002	mg/kg	0.100	ND	96.2	71.8-126			
Toluene	0.101	0.002	"	0.100	ND	101	65.1-130			
Ethylbenzene	0.094	0.002	"	0.100	ND	94.4	62.2-130			
m,p-Xylene	0.204	0.004	"	0.200	ND	102	46.5-137			
o-Xylene	0.093	0.002	"	0.100	ND	93.2	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	65		ug/kg	62.5		105	70-130			
Surrogate: Toluene-d8	62		"	62.5		98.6	70-130			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		95.9	70-130			

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Jeremy Pike
Project Number: 04717043
Project: SRC - Phelps Pad

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B7K2802 - EPA 5030 (soil)

Matrix Spike (B7K2802-MS2)		Source: Y711330-06			Prepared: 11/28/2017 Analyzed: 11/28/2017					
Benzene	0.096	0.002	mg/kg	0.100	ND	95.6	71.8-126			
Toluene	0.098	0.002	"	0.100	ND	97.6	65.1-130			
Ethylbenzene	0.091	0.002	"	0.100	0.0006	90.1	62.2-130			
m,p-Xylene	0.200	0.004	"	0.200	ND	99.9	46.5-137			
o-Xylene	0.093	0.002	"	0.100	0.0004	92.5	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	65		ug/kg	62.5		105	70-130			
Surrogate: Toluene-d8	61		"	62.5		98.0	70-130			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		95.7	70-130			

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4600 West 60th Avenue
Arvada CO 80003

Jeremy Pike
Project Number: 04717043
Project: SRC - Phelps Pad

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B7K2802 - EPA 5030 (soil)

Matrix Spike Dup (B7K2802-MSD1)		Source: Y711330-03			Prepared: 11/28/2017 Analyzed: 11/28/2017					
Benzene	0.097	0.002	mg/kg	0.100	ND	96.9	71.8-126	0.746	11.3	
Toluene	0.103	0.002	"	0.100	ND	103	65.1-130	2.18	15.4	
Ethylbenzene	0.095	0.002	"	0.100	ND	95.4	62.2-130	0.991	19.6	
m,p-Xylene	0.203	0.004	"	0.200	ND	102	46.5-137	0.442	19.2	
o-Xylene	0.096	0.002	"	0.100	ND	96.1	54.2-134	3.02	17.9	
Surrogate: 1,2-Dichloroethane-d4	64		ug/kg	62.5		102	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.0	70-130			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		95.9	70-130			

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

Jeremy Pike
Project Number: 04717043
Project: SRC - Phelps Pad

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B7K2802 - EPA 5030 (soil)

Matrix Spike Dup (B7K2802-MSD2)		Source: Y711330-06			Prepared: 11/28/2017 Analyzed: 11/28/2017					
Benzene	0.096	0.002	mg/kg	0.100	ND	96.4	71.8-126	0.834	11.3	
Toluene	0.101	0.002	"	0.100	ND	101	65.1-130	3.34	15.4	
Ethylbenzene	0.094	0.002	"	0.100	0.0006	93.1	62.2-130	3.32	19.6	
m,p-Xylene	0.205	0.004	"	0.200	ND	103	46.5-137	2.69	19.2	
o-Xylene	0.096	0.002	"	0.100	0.0004	95.5	54.2-134	3.24	17.9	
Surrogate: 1,2-Dichloroethane-d4	64		ug/kg	62.5		103	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.0	70-130			

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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 B7K2803 - EPA 3550B

Blank (B7K2803-BLK1)				Prepared: 11/28/2017 Analyzed: 11/29/2017						
Diesel (C10-C28)	ND	50.0	mg/kg							U
Surrogate: o-Terphenyl	41		"	50.0		81.0	59-131			
Blank (B7K2803-BLK2)				Prepared: 11/28/2017 Analyzed: 11/30/2017						
Diesel (C10-C28)	ND	50.0	mg/kg							U
Surrogate: o-Terphenyl	46		"	50.0		91.6	59-131			
LCS (B7K2803-BS1)				Prepared: 11/28/2017 Analyzed: 11/29/2017						
Diesel (C10-C28)	1000	50.0	mg/kg	1000		100	64-121			
Surrogate: o-Terphenyl	52		"	50.0		104	59-131			
LCS (B7K2803-BS2)				Prepared: 11/28/2017 Analyzed: 11/30/2017						
Diesel (C10-C28)	958	50.0	mg/kg	1000		95.8	64-121			
Surrogate: o-Terphenyl	50		"	50.0		100	59-131			
Matrix Spike (B7K2803-MS1)				Source: Y711344-01		Prepared: 11/28/2017 Analyzed: 11/29/2017				
Diesel (C10-C28)	938	50.0	mg/kg	1000	ND	93.8	53-125			
Surrogate: o-Terphenyl	48		"	50.0		96.4	59-131			
Matrix Spike (B7K2803-MS2)				Source: Y711345-01		Prepared: 11/28/2017 Analyzed: 11/30/2017				
Diesel (C10-C28)	945	50.0	mg/kg	1000	ND	94.5	53-125			
Surrogate: o-Terphenyl	54		"	50.0		107	59-131			

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Jeremy Pike
Project Number: 04717043
Project: SRC - Phelps Pad

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 B7K2803 - EPA 3550B

Matrix Spike Dup (B7K2803-MSD1)		Source: Y711344-01			Prepared: 11/28/2017 Analyzed: 11/29/2017					
Diesel (C10-C28)	880	50.0	mg/kg	1000	ND	88.0	53-125	6.46	20	
Surrogate: o-Terphenyl	50		"	50.0		101	59-131			
Matrix Spike Dup (B7K2803-MSD2)		Source: Y711345-01			Prepared: 11/28/2017 Analyzed: 11/30/2017					
Diesel (C10-C28)	969	50.0	mg/kg	1000	ND	96.9	53-125	2.50	20	
Surrogate: o-Terphenyl	50		"	50.0		99.7	59-131			

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Project: SRC - Phelps Pad

Classical Chemistry Parameters - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B7K2804 - NO PREP										
Duplicate (B7K2804-DUP1)		Source: Y711351-01			Prepared: 11/28/2017 Analyzed: 11/28/2017					
pH	7.42		pH Units		7.98			7.27	25	
Batch B7K2805 - NO PREP										
Blank (B7K2805-BLK1)		Prepared: 11/28/2017 Analyzed: 11/28/2017								
Specific Conductance (EC)	0.00330		mmhos/cm							
Duplicate (B7K2805-DUP1)		Source: Y711351-01			Prepared: 11/28/2017 Analyzed: 11/28/2017					
Specific Conductance (EC)	0.0558		mmhos/cm		0.0584			4.55	25	

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Jeremy Pike
Project Number: 04717043
Project: SRC - Phelps Pad

Notes and Definitions

U Sample is Non-Detect.

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

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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