

# Summit Scientific

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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

July 22, 2014

Andy Verbonitz  
LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada, CO 80003  
RE: EXT - Kodak #12

Enclosed are the results of analyses for samples received by Summit Scientific on 07/21/14 16:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'BS', with a long, sweeping horizontal line extending to the right.

Ben Shrewsbury  
President / Laboratory Manager



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

Project: EXT - Kodak #12

Project Number: 0520-14006  
Project Manager: Andy Verbonitz

**Reported:**  
07/22/14 21:20

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS01	1407132-01	Soil	07/21/14 14:20	07/21/14 16:50
SS02	1407132-02	Soil	07/21/14 14:25	07/21/14 16:50
SS03	1407132-03	Soil	07/21/14 14:30	07/21/14 16:50
SS04	1407132-04	Soil	07/21/14 14:35	07/21/14 16:50

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

Project: EXT - Kodak #12

Project Number: 0520-14006  
Project Manager: Andy Verbonitz

Reported:  
07/22/14 21:20

1407132

Summit Scientific

741 Corporate Circle Suite 1 • Golden, Colorado 80401  
303-277-4930 • 303-314-5933 Fax

Page 1 of 1

Client: **LTE**  
Address: **4600 W 60th Ave**  
City/State/Zip: **Arvada CO 80003**  
Phone: **303-402-9788** Fax: **303-473-1433**  
Sampler Name: **Andy Verbonitz**

Project Manager: **Andy Verbonitz**  
E-Mail: **averbonitz@ltenv.com**  
Project Name: **KODAK #12**  
Project Number: **0520-14006**

Sample Description	Date Sampled	Time Sampled	Number of Containers	Preservative				Matrix				Analyze For:	Special Instructions	
				HCl	HNO <sub>3</sub>	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)			
SS01	7/21/14	14:30	1			X			X	X	X			
SS02		14:35	1			Y			X	X	X			
SS03		14:36	1			Y			X	X	X			
SS04		14:35	1			Y			X	X	X			

  

Requested by: <b>Andy Verbonitz</b>	Date/Time: <b>7/21/14</b>	Received by: <b>[Signature]</b>	Date/Time: <b>7/21/14 16:10</b>	Turn Around Time (Check): Same Day <input checked="" type="checkbox"/> 72 Hours <input type="checkbox"/> Standard <input type="checkbox"/> 48 Hours <input type="checkbox"/>	Notes: <b>TAT may change</b>
Relinquished by:	Date/Time:	Relinquished by:	Date/Time:	Sample Integrity: Temperature Upon Receipt: <b>7.4</b> Intact: <input checked="" type="checkbox"/>	
Relinquished by:	Date/Time:	Relinquished by:	Date/Time:		



LT Environmental, Inc.  
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07/22/14 21:20

**SS01**  
**1407132-01 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **07/21/14 14:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1407175	07/22/14	07/22/14	8015M	

Date Sampled: **07/21/14 14:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		99.5 %	30-150		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **07/21/14 14:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1407174	07/22/14	07/22/14	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **07/21/14 14:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		115 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.9 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.5 %	21-167		"	"	"	"	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **07/21/14 14:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	<b>0.366</b>	0.0100	mmhos/cm	1	1407176	07/22/14	07/22/14	SM 2510B	

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**Reported:**  
 07/22/14 21:20

**SS01**

**1407132-01 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **07/21/14 14:20**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<b>pH</b>	<b>8.69</b>	0.100	pH Units	1	1407177	07/22/14	07/22/14	EPA 9045	

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Project: EXT - Kodak #12

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07/22/14 21:20

**SS02**

**1407132-02 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **07/21/14 14:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1407175	07/22/14	07/22/14	8015M	

Date Sampled: **07/21/14 14:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		102 %	30-150		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **07/21/14 14:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1407174	07/22/14	07/22/14	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **07/21/14 14:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		112 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		100 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.1 %	21-167		"	"	"	"	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **07/21/14 14:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	<b>0.285</b>	0.0100	mmhos/cm	1	1407176	07/22/14	07/22/14	SM 2510B	

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**Reported:**  
 07/22/14 21:20

**SS02**

**1407132-02 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **07/21/14 14:25**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<b>pH</b>	<b>8.91</b>	0.100	pH Units	1	1407177	07/22/14	07/22/14	EPA 9045	

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Reported:  
07/22/14 21:20

**SS03**

**1407132-03 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **07/21/14 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1407175	07/22/14	07/22/14	8015M	

Date Sampled: **07/21/14 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		103 %	30-150		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **07/21/14 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1407174	07/22/14	07/22/14	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>7.5</b>	<b>0.50</b>	"	"	"	"	"	"	

Date Sampled: **07/21/14 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		110 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		101 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %	21-167		"	"	"	"	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **07/21/14 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Specific Conductance (EC)</b>	<b>0.997</b>	0.0100	mmhos/cm	1	1407176	07/22/14	07/22/14	SM 2510B	

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**SS03**

**1407132-03 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **07/21/14 14:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<b>pH</b>	<b>8.09</b>	0.100	pH Units	1	1407177	07/22/14	07/22/14	EPA 9045	

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07/22/14 21:20

**SS04**  
**1407132-04 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **07/21/14 14:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1407175	07/22/14	07/22/14	8015M	

Date Sampled: **07/21/14 14:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		100 %	30-150		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **07/21/14 14:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>0.0091</b>	0.0020	mg/kg	1	1407174	07/22/14	07/22/14	EPA 8260B	
<b>Toluene</b>	<b>0.031</b>	0.0050	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>0.0067</b>	0.0050	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>0.037</b>	0.0050	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>39</b>	0.50	"	"	"	"	"	"	

Date Sampled: **07/21/14 14:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		112 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		103 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		128 %	21-167		"	"	"	"	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **07/21/14 14:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Specific Conductance (EC)</b>	<b>1.81</b>	0.0100	mmhos/cm	1	1407176	07/22/14	07/22/14	SM 2510B	

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 07/22/14 21:20

**SS04**

**1407132-04 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **07/21/14 14:35**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<b>pH</b>	<b>8.18</b>	0.100	pH Units	1	1407177	07/22/14	07/22/14	EPA 9045	

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Project Number: 0520-14006  
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07/22/14 21:20

**Extractable Petroleum Hydrocarbons by 8015 - Quality Control**  
**Summit Scientific**

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

**Batch 1407175 - EPA 3550A**

**Blank (1407175-BLK1)**

Prepared & Analyzed: 07/22/14

C10-C28 (DRO)                      ND                      50    mg/kg

**LCS (1407175-BS1)**

Prepared & Analyzed: 07/22/14

C10-C28 (DRO)                      534                      50    mg/kg                      501                      107    73-134

**Matrix Spike (1407175-MS1)**

**Source: 1407132-01**

Prepared & Analyzed: 07/22/14

C10-C28 (DRO)                      506                      50    mg/kg                      486                      ND                      104    50-148

**Matrix Spike Dup (1407175-MSD1)**

**Source: 1407132-01**

Prepared & Analyzed: 07/22/14

C10-C28 (DRO)                      515                      50    mg/kg                      488                      ND                      105    50-148                      1.77                      13

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**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**Summit Scientific**

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

**Batch 1407174 - EPA 5030 Soil MS**

**Blank (1407174-BLK1)**

Prepared & Analyzed: 07/22/14

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0479		"	0.0397		121	23-173			
Surrogate: Toluene-d8	0.0387		"	0.0400		96.8	20-170			
Surrogate: 4-Bromofluorobenzene	0.0419		"	0.0400		105	21-167			

**LCS (1407174-BS1)**

Prepared & Analyzed: 07/22/14

Benzene	0.0988	0.0020	mg/kg	0.100		98.8	58-130			
Toluene	0.104	0.0050	"	0.100		104	61-134			
Ethylbenzene	0.106	0.0050	"	0.0992		107	74-139			
m,p-Xylene	0.218	0.010	"	0.200		109	73-137			
o-Xylene	0.106	0.0050	"	0.0984		108	73-141			
Surrogate: 1,2-Dichloroethane-d4	0.0467		"	0.0397		118	23-173			
Surrogate: Toluene-d8	0.0392		"	0.0400		97.9	20-170			
Surrogate: 4-Bromofluorobenzene	0.0407		"	0.0400		102	21-167			

**Matrix Spike (1407174-MS1)**

Source: 1407131-01

Prepared & Analyzed: 07/22/14

Benzene	0.0985	0.0020	mg/kg	0.0978	ND	101	30-131			
Toluene	0.0999	0.0050	"	0.0978	ND	102	30-134			
Ethylbenzene	0.101	0.0050	"	0.0971	ND	105	22-153			
m,p-Xylene	0.208	0.010	"	0.195	ND	106	10-159			
o-Xylene	0.104	0.0050	"	0.0963	ND	108	31-151			
Surrogate: 1,2-Dichloroethane-d4	0.0489		"	0.0388		126	23-173			
Surrogate: Toluene-d8	0.0389		"	0.0391		99.4	20-170			
Surrogate: 4-Bromofluorobenzene	0.0409		"	0.0391		104	21-167			

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**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**Summit Scientific**

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

**Batch 1407174 - EPA 5030 Soil MS**

Matrix Spike Dup (1407174-MSD1)	Source: 1407131-01			Prepared & Analyzed: 07/22/14						
Benzene	0.0900	0.0020	mg/kg	0.0940	ND	95.8	30-131	9.00	34	
Toluene	0.0920	0.0050	"	0.0940	ND	97.9	30-134	8.19	30	
Ethylbenzene	0.0908	0.0050	"	0.0932	ND	97.4	22-153	11.1	24	
m,p-Xylene	0.191	0.010	"	0.188	ND	102	10-159	8.15	68	
o-Xylene	0.0943	0.0050	"	0.0925	ND	102	31-151	9.54	38	
Surrogate: 1,2-Dichloroethane-d4	0.0468		"	0.0373		125	23-173			
Surrogate: Toluene-d8	0.0372		"	0.0376		99.1	20-170			
Surrogate: 4-Bromofluorobenzene	0.0374		"	0.0376		99.5	21-167			

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**Physical Parameters by APHA/ASTM/EPA Methods - Quality Control**  
**Summit Scientific**

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

**Batch 1407176 - General Preparation**

<b>Blank (1407176-BLK1)</b>					Prepared & Analyzed: 07/22/14					
Specific Conductance (EC)	ND	0.0100	mmhos/cm							
<b>Duplicate (1407176-DUP1)</b>					Source: 1407131-01 Prepared & Analyzed: 07/22/14					
Specific Conductance (EC)	0.536	0.0100	mmhos/cm		0.509			5.21	20	

**Batch 1407177 - General Preparation**

<b>LCS (1407177-BS1)</b>					Prepared & Analyzed: 07/22/14					
pH	8.06	0.100	pH Units	8.00		101	0-200			
<b>Duplicate (1407177-DUP1)</b>					Source: 1407131-01 Prepared & Analyzed: 07/22/14					
pH	9.06	0.100	pH Units		9.08			0.221	20	

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Project Number: 0520-14006  
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**Reported:**  
07/22/14 21:20

### Notes and Definitions

DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis  
RPD Relative Percent Difference