

State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303)894-2100 Fax: (303)894-2109



DE	ET	OE	ES

## SUNDRY NOTICE

Submit original plus one copy. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full on Technical Information Page (Page 2 of this form.) Identify well or other facility by API Number or by OGCC Facility ID. Operator shall send an informational copy of all sundry notices for wells located in High Density Areas to the Local Government Designee (Rule 603b.)

1. OGCC Operator Number: 10071	4. Contact Name: Scott Ghan	Complete the Attachment Checklist OP OGCC
2. Name of Operator: Bill Barrett Corporation	Scott Ghan	
3. Address: 112 Red Feather Trail City: Silt State: Co Zip: 81652	Phone: (970) 876-1959 Fax: (970) 876-0981	
5. API Number	OGCC Facility ID Number: 427016	Survey Plat
6. Well/Facility Name: Scott Pad	7. Well/Facility Number: 41C-36-692	Directional Survey
8. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian): SWSW 30 6S 91W		Surface Eqmpt Diagram
9. County: Garfield - #045	10. Field Name: MAMM CREEK - #52500	Technical Info Page
11. Federal, Indian or State Lease Number: CO10261		Other

## General Notice

<input type="checkbox"/> <b>CHANGE OF LOCATION:</b> Attach New Survey Plat (a change of surface qtr/qtr is substantive and requires a new permit)	
Change of Surface Footage from Exterior Section Lines:	<input type="checkbox"/> FNU/FSL <input type="checkbox"/> FEU/FWL
Change of Surface Footage to Exterior Section Lines:	<input type="checkbox"/>
Change of Bottomhole Footage from Exterior Section Lines:	<input type="checkbox"/>
Change of Bottomhole Footage to Exterior Section Lines:	<input type="checkbox"/> attach directional survey
Bottomhole location Qtr/Qtr, Sec, Twp, Rng, Mer	
Latitude	Distance to nearest property line
Longitude	Distance to nearest bldg, public rd, utility or RR
Ground Elevation	Distance to nearest lease line
	Is location in a High Density Area (rule 603b)? Yes/No
	Distance to nearest well same formation
	Surface owner consultation date:
<b>GPS DATA:</b>	
Date of Measurement PDOP Reading Instrument Operator's Name	
<input type="checkbox"/> <b>CHANGE SPACING UNIT</b>	
Formation	Formation Code
Spacing order number	Unit Acreage
Unit configuration	
<input type="checkbox"/> <b>Remove from surface bond</b>	
Signed surface use agreement attached	
<input type="checkbox"/> <b>CHANGE OF OPERATOR (prior to drilling):</b>	
Effective Date:	
Plugging Bond: <input type="checkbox"/> Blanket <input type="checkbox"/> Individual	
<input type="checkbox"/> <b>CHANGE WELL NAME</b> NUMBER	
From:	
To:	
Effective Date:	
<input type="checkbox"/> <b>ABANDONED LOCATION:</b>	
Was location ever built? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Is site ready for inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date Ready for inspection:	
<input type="checkbox"/> <b>NOTICE OF CONTINUED SHUT IN STATUS</b>	
Date well shut in or temporarily abandoned:	
Has Production Equipment been removed from site? <input type="checkbox"/> Yes <input type="checkbox"/> No	
MIT required if shut in longer than two years. Date of last MIT	
<input type="checkbox"/> <b>SPUD DATE:</b>	
<input type="checkbox"/> <b>REQUEST FOR CONFIDENTIAL STATUS</b> (6 mos from date casing set)	
<input type="checkbox"/> <b>SUBSEQUENT REPORT OF STAGE, SQUEEZE OR REMEDIAL CEMENT WORK</b> *submit cbl and cement job summaries	
Method used	Cementing tool setting/perf depth
Cement volume	Cement top
Cement bottom	Date
<input type="checkbox"/> <b>RECLAMATION:</b> Attach technical page describing final reclamation procedures per Rule 1004.	
Final reclamation will commence on approximately	
<input type="checkbox"/> Final reclamation is completed and site is ready for inspection.	

## Technical Engineering/Environmental Notice

<input type="checkbox"/> <b>Notice of Intent</b>		<input type="checkbox"/> <b>Report of Work Done</b>	
Approximate Start Date:		Date Work Completed:	
Details of work must be described in full on Technical Information Page (Page 2 must be submitted.)			
<input type="checkbox"/> Intent to Recombine (submit form 2)	<input type="checkbox"/> Request to Vent or Flare	<input type="checkbox"/> E&P Waste Disposal	
<input type="checkbox"/> Change Drilling Plans	<input type="checkbox"/> Repair Well	<input type="checkbox"/> Beneficial Reuse of E&P Waste	
<input type="checkbox"/> Gross Interval Changed?	<input type="checkbox"/> Rule 502 variance requested	<input type="checkbox"/> Status Update/Change of Remediation Plans	
<input type="checkbox"/> Casing/Cementing Program Change	<input checked="" type="checkbox"/> Other: Pit Closure	for Spills and Releases	

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.

Signed: [Signature] Date: 1/22/13 Email: sgan@billbarrettcorp.com

Print Name: \_\_\_\_\_ Title: \_\_\_\_\_

COGCC Approved: [Signature] Title: Env. Sup. Date: 1/22/13 1/24/13

CONDITIONS OF APPROVAL, IF ANY:



1. OGCC Operator Number:	10071	API Number:	
2. Name of Operator:	Bill Barrett Corporation	OGCC Facility ID #	427016
3. Well/Facility Name:	Scott Pad	Well/Facility Number:	41C-36-692
4. Location (QtrQtr, Sec, Twp, Rng, Meridian):	SWSW 30 6S 91W 6PM		

This form is to be completed whenever a Sundry Notice is submitted requiring detailed report of work to be performed or completed. This form shall be transmitted within 30 days of work completed as a "subsequent" report and must accompany Form 4, page 1.

5. **DESCRIBE PROPOSED OR COMPLETED OPERATIONS**

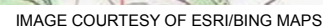
BBC is currently attempting to close a completions pit at the Scott-41C pad. Recently, the final confirmation soil samples from the pit bottom exceeded the background pH levels. BBC is requesting authorization to close the pit with pH levels in the soil confirmation samples collected from the base of the pit slightly above the background concentration. Details concerning the soil sampling, analytical results, and depth to groundwater analysis are presented below.

On June 22, 2012, BBC collected a discreet background sample (PS01 BG) from the base of the completions pit (Figure 2) before the liner was installed. The pH level was 9.21. Although this is the established background level, it exceeds the COGCC Table 910-1 concentration level. On December 11, 2012, BBC collected two discreet soil confirmation samples (PS01 and PS02) from the base of the pit (Figure 3) at a depth of 20 feet below ground surface. The samples were submitted for analysis of all analytes listed in COGCC Table 910-1. The analytical results indicate all analytes were compliant with COGCC Table 910-1 except pH, which exceeded the original background level of 9.21 at 9.72 and 9.96 for PS01 and PS02, respectively. Conductivity ranged from 2.45 millimhos per centimeter (mmhos/cm) to 1.74 mmhos/cm for PS01 and PS02, respectively. The levels of SAR ranged from 7.82 to 6.30 for PS01 and PS02, respectively. Arsenic concentrations ranged from 1.55 milligrams per kilogram (mg/kg) to 1.52 mg/kg for PS01 and PS02, respectively. These concentrations are below the initial pit bottom background arsenic concentration of 2.56 mg/kg. Because the abovementioned analytes are all lower than the background concentrations and pH was the only analyte that increased (more basic) from the pit bottom background sample, it is likely that the levels of pH reported in the pit closure samples are within the range of naturally occurring background levels. Table 1 summarizes the results from the pit bottom background sample and pit bottom confirmation samples.

Frequently Asked Question Number 32 on the COGCC website explains that the COGCC will apply the Table 910-1 concentration levels for EC, pH, and SAR only to soils that are within 3 feet of the ground surface as these analytes relate to reclamation. As such, the COGCC requires that materials with elevated EC, pH, or SAR concentrations be buried under a minimum of 3 feet of cover and a minimum of 3 feet above the static water level. To ensure the base of the pit is sufficiently above the static groundwater table, LTE researched the depth to groundwater in surrounding water wells (Figure 4). These depths were used to estimate the depth to groundwater beneath the base of the completions pit. Table 2 summarizes the water well information used in this analysis. After establishing groundwater elevations in the area of the Scott 41C pad, the estimated depth to groundwater was calculated at 31 feet below the base of the pit. This is a more than sufficient distance to inhibit the impact to groundwater by the slight exceedance of the background soil pH.

As BBC has demonstrated that the slight exceedances of pH occur well below the 3 foot reclamation threshold established by the COGCC and the depth to groundwater occurs well below the base of the pit, BBC is requesting authorization to close the completions pit with pH levels slightly above background.





# FIGURE 2

25

Location Scott 41c

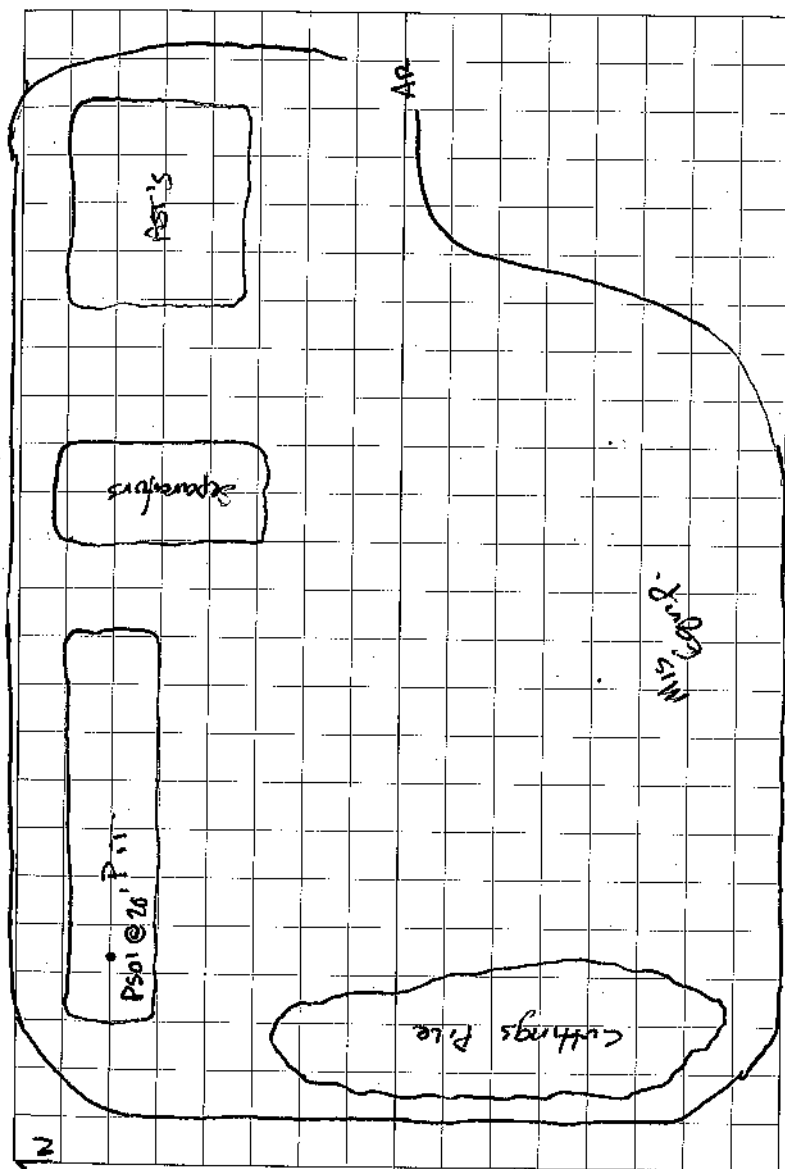
Date 6/22/12

Project / Client BBC

DH

Sunny 70°F

027312039



# FIGURE 3

88

Location Scott #12

Date 12/11/12

Project / Client BBC

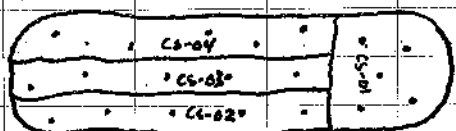
027312008

~ 20°F Overcast

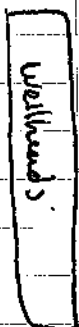
Onsite D.H.

• B6-02

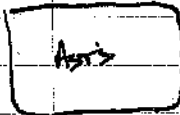
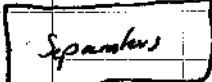
2



B6-03



B6-01



B6-09





IMAGE COURTESY OF ESRI/BING MAPS

# LEGEND

- WATER WELL
- PAD

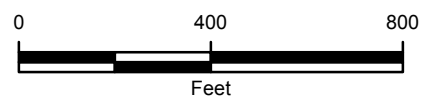


FIGURE 4  
SITE MAP  
SCOTT-41C  
GARFIELD COUNTY, COLORADO

BILL BARRETT CORPORATION



**TABLE 1**  
**SOIL ANALYTICAL RESULTS**  
**SCOTT 41C**  
**GARFIELD COUNTY, COLORADO**  
**BILL BARRETT CORPORATION**

Parameter	Standard	PS01 (BG)	PS01	PS02
Depth (feet)		20	20	20
Sample Date		6/22/2012	12/11/2012	12/11/2012

**Inorganics**

Electrical Conductivity (mmhos/cm)	4	2.71	2.45	1.74
SAR (meq/meq)	12	9.40	7.82	6.30
pH, Lab (PH UNITS)	6 to 9	<b>9.21</b>	<b>9.72</b>	<b>9.96</b>

**Metals**

Arsenic (mg/Kg)	0.39	<b>2.56</b>	<b>1.55</b>	<b>1.52</b>
Barium (mg/Kg)	15000		198	105
Cadmium (mg/Kg)	70		<0.410	<0.477
Chromium, Hexavalent (mg/Kg)	23		<2.00	<1.98
Copper (mg/Kg)	3100		8.96	5.82
Lead (mg/Kg)	400		6.63	5.89
Mercury (mg/kg)	23		0.0384	0.0182
Nickel (mg/Kg)	1600		11.4	9.51
Selenium (mg/Kg)	390		0.667	0.478
Silver (mg/Kg)	390		<0.410	<0.477
Zinc (mg/Kg)	23000		43.2	37.5

**Organic Compounds**

TPH-DRO (mg/Kg)		<1.7	<1.7
TPH-GRO (mg/Kg)		<0.050	<0.050
Benzene (mg/kg)	0.17	<0.005	<0.005
Toluene (mg/kg)	85	0.0054	<0.005
Ethylbenzene (mg/kg)	100	<0.005	<0.005
Xylenes, Total (mg/kg)	175	<0.015	<0.015
Acenaphthene (mg/kg)	1000	<0.0066	<0.0066
Anthracene (mg/kg)	1000	<0.0066	<0.0066
Benzo (a) anthracene (mg/kg)	0.22	<0.0066	<0.0066
Benzo (b) fluoranthene (mg/kg)	0.22	<0.0066	<0.0066
Benzo (k) fluoranthene (mg/kg)	2.2	<0.0066	<0.0066
Benzo (a) pyrene (mg/kg)	0.022	<0.0066	<0.0066
Chrysene (mg/kg)	22	<0.0066	<0.0066
Dibenz (a,h) anthracene (mg/kg)	0.022	<0.0066	<0.0066
Fluoranthene (mg/kg)	1000	<0.0066	<0.0066
Fluorene (mg/kg)	1000	<0.0066	<0.0066
Indeno (1,2,3-cd) pyrene (mg/kg)	0.22	<0.0066	<0.0066
Naphthalene (mg/kg)	23	0.026	0.0066
Pyrene (mg/kg)	1000	<0.0066	<0.0066

**Notes:**

< - less than stated laboratory reporting limit

Bold indicates result is equal to or exceeds the applicable standard

Basic Standards for Soil are from 2 CCR 404-1, Table 910-1, effective April 2009

GRO - Gasoline range organics

TPH-Total - sum of TPH-GRO and TPH-DRO

mg/kg - milligrams per kilogram

mmhos/cm - millimhos per centimeter

TPH - Total petroleum hydrocarbons (C6-C28)

DRO - Diesel range organics

SAR - Sodium adsorption ratio



**TABLE 2**  
**DEPTH TO GROUNDWATER ANALYSIS**  
**SCOTT-41C**  
**GARFIELD COUNTY, COLORADO**  
**BILL BARRETT CORPORATION**

Surrounding Water Well Information								
Receipt #	Permit #	Latitude	Longitude	Distance to Pad (ft)	Total Depth of Well (ft)	Depth to Water (ft)	Ground Surface Elevation at Well (ft)	Groundwater Elevation(ft)
11404	146370	39.495550	-107.601506	1,559	210	45	5,917	5,872
316416	158093	39.487211	-107.606253	1,924	97	17	5,921	5,904

Scott-41C Pad Information				
Latitude	Longitude	Pad Elevation (ft)	Pit Bottom Elevation (ft)	Estimated Depth to Groundwater (ft)
39.492437	-107.605384	5,939	5,919	31

**Notes:**

ft - feet

Depth to groundwater calculated by averaging the static groundwater level from local water wells. This elevation was then subtracted from the elevation of the pit bottom.

Adjustments were not made for topographic slope as the site is located on an isolated ridge and the surrounding hydraulic gradient is expected to be low.







02-Jul-2012

Brian Dodek  
LT Environmental  
4600 West 60th Avenue  
Arvada, CO 80003

Tel: (303) 962-5535  
Fax: (303) 433-1432

Re: 027372039/ Scott 41C

Work Order: **12061017**

Dear Brian,

ALS Environmental received 2 samples on 23-Jun-2012 09:25 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 13.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

A handwritten signature in cursive script that reads "Patricia L. Lynch".

Electronically approved by: Kelsey N. Brown

Patricia L. Lynch  
Project Manager



Certificate No: T104704231-09A-TX

ADDRESS 10450 Stancliff Rd, Suite 210 Houston, Texas 77099-4338 | PHONE (281) 530-5656 | FAX (281) 530-5887

DOV#T UR X S#K VD /#P R US##Sdu#r i#k h#D OV#Dderudwru| #T urxs##D #Fdp seha#Burkhu#Op l#hg#F rp sdq |

Environmental

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER

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**Client:** LT Environmental  
**Project:** 027372039/ Scott 41C  
**Work Order:** 12061017

**Work Order Sample Summary**

---

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
12061017-01	PS01 @ 20"	Soil		6/22/2012 09:10	6/23/2012 09:25	<input type="checkbox"/>
12061017-02	Trip Blank - 041012-19	Water		6/22/2012	6/23/2012 09:25	<input type="checkbox"/>

## ALS Environmental

*Date: 06-Jul-12*

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**Client:** LT Environmental  
**Project:** 027372039/ Scott 41C  
**Work Order:** 12061017

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## Case Narrative

No exceptions

**ALS Environmental**

Date: 02-Jul-12

**Client:** LT Environmental  
**Project:** 027372039/ Scott 41C  
**Sample ID:** PS01 @ 20"  
**Collection Date:** 6/22/2012 09:10 AM

**Work Order:** 12061017  
**Lab ID:** 12061017-01  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>METALS</b>			<b>SW6020</b>		Prep Date: <b>6/27/2012</b>	Analyst: <b>SKS</b>
Arsenic	2.56		0.474	mg/Kg	1	6/27/2012 05:16 PM
<b>LA29B SODIUM ADSORPTION RATIO</b>			<b>LA29B SAR</b>		Prep Date: <b>6/29/2012</b>	Analyst: <b>ALR</b>
Sodium Adsorption Ratio	9.40		0.0100	meq/meq	1	6/29/2012
<b>LA 29B - 1:1 SOLUBLE CATIONS FOR SAR</b>			<b>LA29B-6020</b>		Prep Date: <b>6/29/2012</b>	Analyst: <b>SKS</b>
Calcium	13.3		4.99	mg/L	10	6/29/2012 03:42 PM
Magnesium	5.95		4.99	mg/L	10	6/29/2012 03:42 PM
Sodium	164		4.99	mg/L	10	6/29/2012 03:42 PM
<b>LA29B ELECTRICAL CONDUCTIVITY</b>			<b>LADNR-29B EC</b>			Analyst: <b>TDW</b>
Electrical Conductivity @ saturation	2.71		0.0100	mmhos/cm @25	1	7/2/2012 04:00 PM
Electrical Conductivity, 1:1 aqueous	0.965		0.0100	mmhos/cm @25	1	7/2/2012 04:00 PM
<b>LA29B SATURATION POINT</b>			<b>LADNR-29B SP</b>			Analyst: <b>KAH</b>
Saturation Point	0.356		0.100	% Saturation as	1	6/30/2012 11:00 AM
<b>PH</b>			<b>SW9045B</b>			Analyst: <b>EDG</b>
pH	9.21		0.100	pH Units	1	6/29/2012 02:00 PM

**Note:** See Qualifiers Page for a list of qualifiers and their explanation.



# ALS Environmental

Date: 02-Jul-12

**Client:** LT Environmental  
**Work Order:** 12061017  
**Project:** 027372039/ Scott 41C

## QC BATCH REPORT

Batch ID: **62177** Instrument ID **ICPMS05** Method: **SW6020**

<b>MBLK</b>	Sample ID: <b>MBLKS1-062712-62177</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>6/27/2012 03:24 PM</b>			
Client ID:	Run ID: <b>ICPMS05_120627A</b>				SeqNo: <b>2836830</b>		Prep Date: <b>6/27/2012</b>		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.50								

<b>LCS</b>	Sample ID: <b>MLCSS1-062712-62177</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>6/27/2012 03:27 PM</b>			
Client ID:	Run ID: <b>ICPMS05_120627A</b>				SeqNo: <b>2836831</b>		Prep Date: <b>6/27/2012</b>		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	10.19	0.50	10	0	102	80-120	0			

<b>MS</b>	Sample ID: <b>1206953-25AMS</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>6/27/2012 04:21 PM</b>			
Client ID:	Run ID: <b>ICPMS05_120627A</b>				SeqNo: <b>2837127</b>		Prep Date: <b>6/27/2012</b>		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	15.54	0.46	9.2	8.276	78.9	75-125	0			

<b>MSD</b>	Sample ID: <b>1206953-25AMSD</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>6/27/2012 04:24 PM</b>			
Client ID:	Run ID: <b>ICPMS05_120627A</b>				SeqNo: <b>2837128</b>		Prep Date: <b>6/27/2012</b>		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	15.77	0.46	9.133	8.276	82	75-125	15.54	1.46	25	

<b>DUP</b>	Sample ID: <b>1206953-25ADUP</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>6/27/2012 04:13 PM</b>			
Client ID:	Run ID: <b>ICPMS05_120627A</b>				SeqNo: <b>2836895</b>		Prep Date: <b>6/27/2012</b>		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	8.086	0.45	0	0	0	0-0	8.276	2.33	25	

The following samples were analyzed in this batch:

12061017-01A

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

QC Page: 1 of 6

**Client:** LT Environmental  
**Work Order:** 12061017  
**Project:** 027372039/ Scott 41C

## QC BATCH REPORT

Batch ID: **62223** Instrument ID **ICPMS05** Method: **La29B-6020**

<b>LCS</b>	Sample ID: <b>LCS-062812 SAR-62223</b>				Units: <b>mg/L</b>		Analysis Date: <b>6/29/2012 03:39 PM</b>			
Client ID:	Run ID: <b>ICPMS05_120629B</b>				SeqNo: <b>2840807</b>		Prep Date: <b>6/29/2012</b>		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	10.41	0.50	10	0	104	80-120	0			
Magnesium	11.35	0.50	10	0	113	80-120	0			
Sodium	11.26	0.50	10	0	113	80-120	0			

<b>DUP</b>	Sample ID: <b>1206886-07BDUP</b>				Units: <b>mg/L</b>		Analysis Date: <b>6/29/2012 03:49 PM</b>			
Client ID:	Run ID: <b>ICPMS05_120629B</b>				SeqNo: <b>2840814</b>		Prep Date: <b>6/29/2012</b>		DF: <b>10</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	205.9	5.0	0	0	0		215	4.35	30	
Magnesium	123.1	5.0	0	0	0		121.6	1.25	30	
Sodium	659	5.0	0	0	0		656.1	0.443	30	

The following samples were analyzed in this batch:

12061017-01A

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** LT Environmental  
**Work Order:** 12061017  
**Project:** 027372039/ Scott 41C

## QC BATCH REPORT

Batch ID: **62223a** Instrument ID **MISC-Metals** Method: **La29B SAR**

**DUP** Sample ID: **1206886-07BDUP** Units: **meq/meq** Analysis Date: **6/29/2012**  
Client ID: Run ID: **MISC-METALS\_120629** SeqNo: **2841013** Prep Date: **6/29/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium Adsorption Ratio	8.98	0.010	0	0	0		8.86	1.35	30	

The following samples were analyzed in this batch:

12061017-01A

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** LT Environmental  
**Work Order:** 12061017  
**Project:** 027372039/ Scott 41C

## QC BATCH REPORT

Batch ID: **R130382** Instrument ID **WetChem** Method: **SW9045B** **(Dissolve)**

**LCS** Sample ID: **WLCSS1-062912-R130382** Units: **pH Units** Analysis Date: **6/29/2012 02:00 PM**

Client ID: Run ID: **WETCHEM\_120629D** SeqNo: **2841113** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	6.04	0.10	6	0	101	90-110	0			

**DUP** Sample ID: **12061017-01ADUP** Units: **pH Units** Analysis Date: **6/29/2012 02:00 PM**

Client ID: **PS01 @ 20"** Run ID: **WETCHEM\_120629D** SeqNo: **2841116** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	9.17	0.10	0	0	0	0-0	9.21	0.435	20	

The following samples were analyzed in this batch:

12061017-01A

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.



**Client:** LT Environmental  
**Work Order:** 12061017  
**Project:** 027372039/ Scott 41C

## QC BATCH REPORT

Batch ID: **R130465** Instrument ID **Balance1** Method: **LaDNR-29B SP (Dissolve)**

**DUP** Sample ID: **12061017-01ADUP** Units: % Saturation as D Analysis Date: **6/30/2012 11:00 AM**

Client ID: **PS01 @ 20"** Run ID: **BALANCE1\_120630B** SeqNo: **2843257** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Saturation Point	0.358	0.10	0	0	0		0.356	0.56	30	

The following samples were analyzed in this batch:

12061017-01A

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** LT Environmental  
**Work Order:** 12061017  
**Project:** 027372039/ Scott 41C

## QC BATCH REPORT

Batch ID: **R130469** Instrument ID **WetChem** Method: **LaDNR-29B EC (Dissolve)**

**MBLK** Sample ID: **WBLKS1-120702-R130469** Units: **mmhos/cm @25°C** Analysis Date: **7/2/2012 04:00 PM**

Client ID: Run ID: **WETCHEM\_120702G** SeqNo: **2843327** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ saturation	ND	0.010								
Electrical Conductivity, 1:1 aqueous	ND	0.010								

**LCS** Sample ID: **WLCSS1-120702-R130469** Units: **mmhos/cm @25°C** Analysis Date: **7/2/2012 04:00 PM**

Client ID: Run ID: **WETCHEM\_120702G** SeqNo: **2843328** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity, 1:1 aqueous	1.44	0.010	1.412	0	102	90-110	0			

**DUP** Sample ID: **12061017-01ADUP** Units: **mmhos/cm @25°C** Analysis Date: **7/2/2012 04:00 PM**

Client ID: **PS01 @ 20"** Run ID: **WETCHEM\_120702G** SeqNo: **2843331** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ saturation	2.701	0.010	0	0	0		2.711	0.37	20	
Electrical Conductivity, 1:1 aqueous	0.967	0.010	0	0	0		0.965	0.207	20	

The following samples were analyzed in this batch:

12061017-01A

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** LT Environmental  
**Project:** 027372039/ Scott 41C  
**WorkOrder:** 12061017

## QUALIFIERS, ACRONYMS, UNITS

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

<u>Acronym</u>	<u>Description</u>
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

<u>Units Reported</u>	<u>Description</u>
aturation as Dec	
meq/meq	
mg/Kg	Milligrams per Kilogram
mg/L	Milligrams per Liter
μmhos/cm @25°	
pH Units	

## Sample Receipt Checklist

Client Name: **LT ENVIRONMENTAL**Date/Time Received: **23-Jun-12 09:25**Work Order: **12061017**Received by: **RDH**Checklist completed by Parash M. Ciga 25-Jun-12  
eSignature DateReviewed by: Patricia L. Lynch 27-Jun-12  
eSignature DateMatrices: SoilCarrier name: FedEx

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temperature(s)/Thermometer(s):	<u>5.9c C/U</u> <u>003</u>		
Cooler(s)/Kit(s):	<u>2647</u>		
Date/Time sample(s) sent to storage:	<u>6/25/12 0825</u>		
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted by:	<u>-</u>		

Login Notes: 1 x Vial for the Trip Blank received with a broken cap. Logged in Trip as 1 vial

-----

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction:





## CHAIN OF CUSTODY

**Failure to complete all section of this form may delay analysis.**

COC number (for client tracking)

Page 1 of 2

[illegible]

Note: (a) DW (Drinking water), SW (Surface water), GW (Ground water), WW (Waste water), S (Soil), SL (Sludge), SE (Sediment) OS (Other solid material)

**ALS Technichem (HK) Pty Ltd** Address: 11/F, Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong  
Tel: +852 2610 1044 Fax: +852 2610 2021 Email: [HongKong@alsglobal.com](mailto:HongKong@alsglobal.com)



20-Dec-2012

Brian Dodek  
LT Environmental  
4600 West 60th Avenue  
Arvada, CO 80003

Tel: (303) 433-9788  
Fax: (303) 433-1432

Re: 0273212039 Scott 41C

Work Order: **1212390**

Dear Brian,

ALS Environmental received 12 samples on 12-Dec-2012 09:20 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 43.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

A handwritten signature in cursive script that reads "Patricia L. Lynch".

Electronically approved by: Jumoke M. Lawal

Patricia L. Lynch  
Project Manager



Certificate No: T104704231-09A-TX

ADDRESS 10450 Stancliff Rd, Suite 210 Houston, Texas 77099-4338 | PHONE (281) 530-5656 | FAX (281) 530-5887

DOV#J UR X S#K VD /#R U S#Sdu#h: i#hch#DOV#J urxs#D q#DOV#Dp l#hg#F rp sdq |

Environmental 

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RIGHT SOLUTIONS RIGHT PARTNER

**Client:** LT Environmental  
**Project:** 0273212039 Scott 41C  
**Work Order:** 1212390

**Work Order Sample Summary**

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
1212390-01	BG 01	Soil		12/11/2012 09:30	12/12/2012 09:20	<input type="checkbox"/>
1212390-02	BG 02	Soil		12/11/2012 09:35	12/12/2012 09:20	<input type="checkbox"/>
1212390-03	BG 03	Soil		12/11/2012 09:45	12/12/2012 09:20	<input type="checkbox"/>
1212390-04	BG 04	Soil		12/11/2012 09:50	12/12/2012 09:20	<input type="checkbox"/>
1212390-05	CS 01	Soil		12/11/2012 11:10	12/12/2012 09:20	<input type="checkbox"/>
1212390-06	CS 02	Soil		12/11/2012 11:20	12/12/2012 09:20	<input type="checkbox"/>
1212390-07	CS 03	Soil		12/11/2012 11:20	12/12/2012 09:20	<input type="checkbox"/>
1212390-08	CS 04	Soil		12/11/2012 11:40	12/12/2012 09:20	<input type="checkbox"/>
1212390-09	PS - 01 @ 20'	Soil		12/11/2012 10:25	12/12/2012 09:20	<input type="checkbox"/>
1212390-10	PS - 02 @ 20'	Soil		12/11/2012 10:35	12/12/2012 09:20	<input type="checkbox"/>
1212390-11	FS - 01	Soil		12/11/2012 12:05	12/12/2012 09:20	<input type="checkbox"/>
1212390-12	Trip Blank	Water		12/11/2012	12/12/2012 09:20	<input type="checkbox"/>

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**Client:** LT Environmental  
**Project:** 0273212039 Scott 41C  
**Work Order:** 1212390

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**Case Narrative**

Batch 66489, PAHs: MS/MSD RPD for benzo(b)fluoranthene in sample CS 03 is above the default limit. All recoveries are in control.

Batch 66499, Metals: MS/MSD recoveries for several metals are outside the control limits in sample CS 03. The RPD for barium is also high. The results for barium and zinc are flagged with E and/or O due to the high concentrations in the background sample. All recoveries in the associated LCS are in control.



## ALS Environmental

Date: 20-Dec-12

**Client:** LT Environmental  
**Project:** 0273212039 Scott 41C  
**Sample ID:** BG 01  
**Collection Date:** 12/11/2012 09:30 AM

**Work Order:** 1212390  
**Lab ID:** 1212390-01  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>METALS</b>			<b>SW6020</b>		Prep Date: <b>12/13/2012</b>	Analyst: <b>SKS</b>
Arsenic	3.77		0.451	mg/Kg	1	12/13/2012 02:08 PM

**Note:** See Qualifiers Page for a list of qualifiers and their explanation.

## ALS Environmental

Date: 20-Dec-12

**Client:** LT Environmental  
**Project:** 0273212039 Scott 41C  
**Sample ID:** BG 02  
**Collection Date:** 12/11/2012 09:35 AM

**Work Order:** 1212390  
**Lab ID:** 1212390-02  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>METALS</b>			<b>SW6020</b>		Prep Date: <b>12/13/2012</b>	Analyst: <b>SKS</b>
Arsenic	1.79		0.419	mg/Kg	1	12/13/2012 02:11 PM

**Note:** See Qualifiers Page for a list of qualifiers and their explanation.

## ALS Environmental

Date: 20-Dec-12

**Client:** LT Environmental  
**Project:** 0273212039 Scott 41C  
**Sample ID:** BG 03  
**Collection Date:** 12/11/2012 09:45 AM

**Work Order:** 1212390  
**Lab ID:** 1212390-03  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>METALS</b>			<b>SW6020</b>		Prep Date: <b>12/13/2012</b>	Analyst: <b>SKS</b>
Arsenic	1.82		0.493	mg/Kg	1	12/13/2012 02:13 PM

**Note:** See Qualifiers Page for a list of qualifiers and their explanation.

## ALS Environmental

Date: 20-Dec-12

**Client:** LT Environmental  
**Project:** 0273212039 Scott 41C  
**Sample ID:** BG 04  
**Collection Date:** 12/11/2012 09:50 AM

**Work Order:** 1212390  
**Lab ID:** 1212390-04  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>METALS</b>			<b>SW6020</b>		Prep Date: <b>12/13/2012</b>	Analyst: <b>SKS</b>
Arsenic	2.98		0.485	mg/Kg	1	12/13/2012 02:16 PM

**Note:** See Qualifiers Page for a list of qualifiers and their explanation.

# ALS Environmental

Date: 20-Dec-12

**Client:** LT Environmental  
**Project:** 0273212039 Scott 41C  
**Sample ID:** CS 01  
**Collection Date:** 12/11/2012 11:10 AM

**Work Order:** 1212390  
**Lab ID:** 1212390-05  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>TPH DRO/ORO - 8015C</b>						
TPH (Diesel Range)	ND		<b>SW8015M</b>	1.7 mg/Kg	Prep Date: 12/14/2012	Analyst: <b>KMB</b>
Surr: 2-Fluorobiphenyl	74.6		60-135	%REC	1	12/14/2012 08:12 PM
<b>GASOLINE RANGE ORGANICS - SW8015C</b>						
Gasoline Range Organics	ND		<b>SW8015</b>	0.050 mg/Kg	1	Analyst: <b>SMA</b>
Surr: 4-Bromofluorobenzene	85.4		70-130	%REC	1	12/13/2012 08:55 PM
<b>MERCURY - SW7471B</b>						
Mercury	1,090		<b>SW7471A</b>	7.11 µg/Kg	Prep Date: 12/18/2012	Analyst: <b>OFO</b>
<b>METALS</b>						
Arsenic	1.65		<b>SW6020</b>	0.484 mg/Kg	Prep Date: 12/13/2012	Analyst: <b>SKS</b>
Barium	790			48.4 mg/Kg	1	12/13/2012 02:18 PM
Cadmium	ND			0.484 mg/Kg	100	12/14/2012 02:16 PM
Chromium	7.90			0.484 mg/Kg	1	12/13/2012 02:18 PM
Copper	9.97			0.484 mg/Kg	1	12/13/2012 02:18 PM
Lead	6.90			2.42 mg/Kg	1	12/13/2012 02:18 PM
Nickel	12.4			0.484 mg/Kg	5	12/14/2012 02:22 PM
Selenium	0.528			0.484 mg/Kg	1	12/13/2012 02:18 PM
Silver	ND			0.484 mg/Kg	1	12/13/2012 02:18 PM
Vanadium	13.1			0.484 mg/Kg	1	12/13/2012 02:18 PM
Zinc	46.2			2.42 mg/Kg	1	12/13/2012 02:18 PM
<b>LA29B SODIUM ADSORPTION RATIO</b>						
Sodium Adsorption Ratio	12.5		<b>LA29B SAR</b>	0.0100 meq/meq	Prep Date: 12/13/2012	Analyst: <b>ALR</b>
<b>LA 29B - 1:1 SOLUBLE CATIONS FOR SAR</b>						
Calcium	15.9		<b>LA29B-6020</b>	5.00 mg/L	Prep Date: 12/13/2012	Analyst: <b>ALR</b>
Magnesium	3.57			2.00 mg/L	10	12/17/2012 06:35 PM
Sodium	212			5.00 mg/L	10	12/17/2012 06:35 PM
<b>LOW-LEVEL PAHS</b>						
Acenaphthene	ND		<b>SW8270</b>	6.6 µg/Kg	Prep Date: 12/13/2012	Analyst: <b>LG</b>
Anthracene	ND			6.6 µg/Kg	1	12/14/2012 01:29 AM
Benz(a)anthracene	ND			6.6 µg/Kg	1	12/14/2012 01:29 AM
Benzo(a)pyrene	ND			6.6 µg/Kg	1	12/14/2012 01:29 AM
Benzo(b)fluoranthene	ND			6.6 µg/Kg	1	12/14/2012 01:29 AM
Benzo(k)fluoranthene	ND			6.6 µg/Kg	1	12/14/2012 01:29 AM
Chrysene	ND			6.6 µg/Kg	1	12/14/2012 01:29 AM
Dibenz(a,h)anthracene	ND			6.6 µg/Kg	1	12/14/2012 01:29 AM
Fluoranthene	ND			6.6 µg/Kg	1	12/14/2012 01:29 AM
Fluorene	ND			6.6 µg/Kg	1	12/14/2012 01:29 AM

**Note:** See Qualifiers Page for a list of qualifiers and their explanation.

# ALS Environmental

Date: 20-Dec-12

**Client:** LT Environmental  
**Project:** 0273212039 Scott 41C  
**Sample ID:** CS 01  
**Collection Date:** 12/11/2012 11:10 AM

**Work Order:** 1212390  
**Lab ID:** 1212390-05  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Indeno(1,2,3-cd)pyrene	ND		6.6	µg/Kg	1	12/14/2012 01:29 AM
<b>Naphthalene</b>	<b>9.2</b>		<b>6.6</b>	<b>µg/Kg</b>	1	12/14/2012 01:29 AM
Pyrene	ND		6.6	µg/Kg	1	12/14/2012 01:29 AM
Surr: 2-Fluorobiphenyl	73.5		43-125	%REC	1	12/14/2012 01:29 AM
Surr: 4-Terphenyl-d14	86.0		32-125	%REC	1	12/14/2012 01:29 AM
Surr: Nitrobenzene-d5	66.9		37-125	%REC	1	12/14/2012 01:29 AM
<b>VOLATILES - SW8260C</b>			<b>SW8260</b>			Analyst: <b>KKP</b>
Benzene	ND		5.0	µg/Kg	1	12/14/2012 08:03 PM
Ethylbenzene	ND		5.0	µg/Kg	1	12/14/2012 08:03 PM
Toluene	ND		5.0	µg/Kg	1	12/14/2012 08:03 PM
Xylenes, Total	ND		15	µg/Kg	1	12/14/2012 08:03 PM
Surr: 1,2-Dichloroethane-d4	109		70-128	%REC	1	12/14/2012 08:03 PM
Surr: 4-Bromofluorobenzene	98.9		73-126	%REC	1	12/14/2012 08:03 PM
Surr: Dibromofluoromethane	106		71-128	%REC	1	12/14/2012 08:03 PM
Surr: Toluene-d8	96.0		73-127	%REC	1	12/14/2012 08:03 PM
<b>HEXAVALENT CHROMIUM - SW7196A</b>			<b>SW7196</b>		Prep Date: <b>12/19/2012</b>	Analyst: <b>EDG</b>
Chromium, Hexavalent	ND		1.93	mg/Kg	1	12/19/2012 09:05 AM
<b>LA29B ELECTRICAL CONDUCTIVITY</b>			<b>LADNR-29B EC</b>			Analyst: <b>VAN</b>
Electrical Conductivity @ saturation	<b>2.80</b>		<b>0.0100</b>	mmhos/cm @25°C	1	12/18/2012 01:00 PM
Electrical Conductivity, 1:1 aqueous	<b>0.967</b>		<b>0.0100</b>	mmhos/cm @25°C	1	12/18/2012 01:00 PM
Saturation % as decimal	<b>0.346</b>			mmhos/cm @25°C	1	12/18/2012 01:00 PM
<b>LA29B SATURATION POINT</b>			<b>LADNR-29B SP</b>			Analyst: <b>KAH</b>
Saturation Point	<b>0.346</b>		<b>0.100</b>	% Saturation as Decimal	1	12/18/2012 12:50 PM
<b>PH - SOIL - SW9045D</b>			<b>SW9045B</b>			Analyst: <b>KL</b>
pH	<b>9.37</b>		<b>0.100</b>	pH Units	1	12/15/2012 12:30 PM

**Note:** See Qualifiers Page for a list of qualifiers and their explanation.

# ALS Environmental

Date: 20-Dec-12

**Client:** LT Environmental  
**Project:** 0273212039 Scott 41C  
**Sample ID:** CS 02  
**Collection Date:** 12/11/2012 11:20 AM

**Work Order:** 1212390  
**Lab ID:** 1212390-06  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>TPH DRO/ORO - 8015C</b>						
<b>TPH (Diesel Range)</b>	<b>3.7</b>		<b>SW8015M</b>	<b>1.7 mg/Kg</b>	Prep Date: <b>12/14/2012</b>	Analyst: <b>KMB</b>
<i>Surr: 2-Fluorobiphenyl</i>	<i>94.8</i>		<i>60-135</i>	<i>%REC</i>	1	12/14/2012 08:35 PM
<b>GASOLINE RANGE ORGANICS - SW8015C</b>						
<b>Gasoline Range Organics</b>	<b>ND</b>		<b>SW8015</b>	<b>0.050 mg/Kg</b>	Prep Date: <b>12/13/2012</b>	Analyst: <b>SMA</b>
<i>Surr: 4-Bromofluorobenzene</i>	<i>85.0</i>		<i>70-130</i>	<i>%REC</i>	1	12/13/2012 09:13 PM
<b>MERCURY - SW7471B</b>						
<b>Mercury</b>	<b>19.8</b>		<b>SW7471A</b>	<b>3.55 µg/Kg</b>	Prep Date: <b>12/18/2012</b>	Analyst: <b>OFO</b>
<b>METALS</b>						
<b>Arsenic</b>	<b>2.00</b>		<b>SW6020</b>	<b>0.479 mg/Kg</b>	Prep Date: <b>12/13/2012</b>	Analyst: <b>SKS</b>
<b>Barium</b>	<b>1,310</b>			<b>9.58 mg/Kg</b>	1	12/13/2012 02:21 PM
<b>Cadmium</b>	<b>ND</b>			<b>0.479 mg/Kg</b>	20	12/14/2012 02:27 PM
<b>Chromium</b>	<b>8.75</b>			<b>0.479 mg/Kg</b>	1	12/13/2012 02:21 PM
<b>Copper</b>	<b>11.3</b>			<b>0.479 mg/Kg</b>	1	12/13/2012 02:21 PM
<b>Lead</b>	<b>7.76</b>			<b>0.479 mg/Kg</b>	1	12/13/2012 02:21 PM
<b>Nickel</b>	<b>12.6</b>			<b>0.479 mg/Kg</b>	1	12/13/2012 02:21 PM
<b>Selenium</b>	<b>0.620</b>			<b>0.479 mg/Kg</b>	1	12/13/2012 02:21 PM
<b>Silver</b>	<b>ND</b>			<b>0.479 mg/Kg</b>	1	12/13/2012 02:21 PM
<b>Vanadium</b>	<b>13.7</b>			<b>0.479 mg/Kg</b>	1	12/13/2012 02:21 PM
<b>Zinc</b>	<b>46.4</b>			<b>0.958 mg/Kg</b>	1	12/13/2012 02:21 PM
<b>LA29B SODIUM ADSORPTION RATIO</b>						
<b>Sodium Adsorption Ratio</b>	<b>12.0</b>		<b>LA29B SAR</b>	<b>0.0100 meq/meq</b>	Prep Date: <b>12/13/2012</b>	Analyst: <b>ALR</b>
					1	12/19/2012
<b>LA 29B - 1:1 SOLUBLE CATIONS FOR SAR</b>						
<b>Calcium</b>	<b>24.9</b>		<b>LA29B-6020</b>	<b>5.00 mg/L</b>	Prep Date: <b>12/13/2012</b>	Analyst: <b>ALR</b>
<b>Magnesium</b>	<b>6.42</b>			<b>5.00 mg/L</b>	10	12/17/2012 06:40 PM
<b>Sodium</b>	<b>260</b>			<b>5.00 mg/L</b>	10	12/17/2012 06:40 PM
<b>LOW-LEVEL PAHS</b>						
<b>Acenaphthene</b>	<b>ND</b>		<b>SW8270</b>	<b>6.6 µg/Kg</b>	Prep Date: <b>12/13/2012</b>	Analyst: <b>LG</b>
<b>Anthracene</b>	<b>ND</b>			<b>6.6 µg/Kg</b>	1	12/14/2012 01:49 AM
<b>Benz(a)anthracene</b>	<b>ND</b>			<b>6.6 µg/Kg</b>	1	12/14/2012 01:49 AM
<b>Benzo(a)pyrene</b>	<b>ND</b>			<b>6.6 µg/Kg</b>	1	12/14/2012 01:49 AM
<b>Benzo(b)fluoranthene</b>	<b>ND</b>			<b>6.6 µg/Kg</b>	1	12/14/2012 01:49 AM
<b>Benzo(k)fluoranthene</b>	<b>ND</b>			<b>6.6 µg/Kg</b>	1	12/14/2012 01:49 AM
<b>Chrysene</b>	<b>ND</b>			<b>6.6 µg/Kg</b>	1	12/14/2012 01:49 AM
<b>Dibenz(a,h)anthracene</b>	<b>ND</b>			<b>6.6 µg/Kg</b>	1	12/14/2012 01:49 AM
<b>Fluoranthene</b>	<b>ND</b>			<b>6.6 µg/Kg</b>	1	12/14/2012 01:49 AM
<b>Fluorene</b>	<b>ND</b>			<b>6.6 µg/Kg</b>	1	12/14/2012 01:49 AM

**Note:** See Qualifiers Page for a list of qualifiers and their explanation.

# ALS Environmental

Date: 20-Dec-12

**Client:** LT Environmental  
**Project:** 0273212039 Scott 41C  
**Sample ID:** CS 02  
**Collection Date:** 12/11/2012 11:20 AM

**Work Order:** 1212390  
**Lab ID:** 1212390-06  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Indeno(1,2,3-cd)pyrene	ND		6.6	µg/Kg	1	12/14/2012 01:49 AM
<b>Naphthalene</b>	<b>15</b>		<b>6.6</b>	<b>µg/Kg</b>	1	12/14/2012 01:49 AM
Pyrene	ND		6.6	µg/Kg	1	12/14/2012 01:49 AM
Surr: 2-Fluorobiphenyl	67.4		43-125	%REC	1	12/14/2012 01:49 AM
Surr: 4-Terphenyl-d14	77.9		32-125	%REC	1	12/14/2012 01:49 AM
Surr: Nitrobenzene-d5	55.5		37-125	%REC	1	12/14/2012 01:49 AM
<b>VOLATILES - SW8260C</b>			<b>SW8260</b>			Analyst: <b>KKP</b>
Benzene	ND		5.0	µg/Kg	1	12/14/2012 08:29 PM
Ethylbenzene	ND		5.0	µg/Kg	1	12/14/2012 08:29 PM
Toluene	ND		5.0	µg/Kg	1	12/14/2012 08:29 PM
Xylenes, Total	ND		15	µg/Kg	1	12/14/2012 08:29 PM
Surr: 1,2-Dichloroethane-d4	110		70-128	%REC	1	12/14/2012 08:29 PM
Surr: 4-Bromofluorobenzene	100		73-126	%REC	1	12/14/2012 08:29 PM
Surr: Dibromofluoromethane	105		71-128	%REC	1	12/14/2012 08:29 PM
Surr: Toluene-d8	96.7		73-127	%REC	1	12/14/2012 08:29 PM
<b>HEXAVALENT CHROMIUM - SW7196A</b>			<b>SW7196</b>		Prep Date: <b>12/19/2012</b>	Analyst: <b>EDG</b>
Chromium, Hexavalent	ND		1.97	mg/Kg	1	12/19/2012 09:05 AM
<b>LA29B ELECTRICAL CONDUCTIVITY</b>			<b>LADNR-29B EC</b>			Analyst: <b>VAN</b>
Electrical Conductivity @ saturation	<b>3.50</b>		<b>0.0100</b>	mmhos/cm @25°C	1	12/18/2012 01:00 PM
Electrical Conductivity, 1:1 aqueous	<b>1.31</b>		<b>0.0100</b>	mmhos/cm @25°C	1	12/18/2012 01:00 PM
Saturation % as decimal	<b>0.374</b>			mmhos/cm @25°C	1	12/18/2012 01:00 PM
<b>LA29B SATURATION POINT</b>			<b>LADNR-29B SP</b>			Analyst: <b>KAH</b>
Saturation Point	<b>0.374</b>		<b>0.100</b>	% Saturation as Decimal	1	12/18/2012 12:50 PM
<b>PH - SOIL - SW9045D</b>			<b>SW9045B</b>			Analyst: <b>KL</b>
pH	<b>9.35</b>		<b>0.100</b>	pH Units	1	12/15/2012 12:30 PM

**Note:** See Qualifiers Page for a list of qualifiers and their explanation.



# ALS Environmental

Date: 20-Dec-12

**Client:** LT Environmental  
**Project:** 0273212039 Scott 41C  
**Sample ID:** CS 03  
**Collection Date:** 12/11/2012 11:20 AM

**Work Order:** 1212390  
**Lab ID:** 1212390-07  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>TPH DRO/ORO - 8015C</b>						
TPH (Diesel Range)	1.9		SW8015M	1.7 mg/Kg	1	Prep Date: 12/14/2012 Analyst: KMB 12/14/2012 08:57 PM
Surr: 2-Fluorobiphenyl	79.0		60-135	%REC	1	12/14/2012 08:57 PM
<b>GASOLINE RANGE ORGANICS - SW8015C</b>						
Gasoline Range Organics	0.083		SW8015	0.050 mg/Kg	1	Analyst: SMA 12/13/2012 09:32 PM
Surr: 4-Bromofluorobenzene	78.4		70-130	%REC	1	12/13/2012 09:32 PM
<b>MERCURY - SW7471B</b>						
Mercury	25.3		SW7471A	3.44 µg/Kg	1	Prep Date: 12/18/2012 Analyst: OFO 12/18/2012 02:49 PM
<b>METALS</b>						
Arsenic	2.15		SW6020	0.494 mg/Kg	1	Prep Date: 12/13/2012 Analyst: SKS 12/13/2012 02:23 PM
Barium	1,470			49.4 mg/Kg	100	12/14/2012 02:47 PM
Cadmium	ND			0.494 mg/Kg	1	12/13/2012 02:23 PM
Chromium	8.75			0.494 mg/Kg	1	12/13/2012 02:23 PM
Copper	12.1			0.494 mg/Kg	1	12/13/2012 02:23 PM
Lead	7.64			0.494 mg/Kg	1	12/13/2012 02:23 PM
Nickel	12.4			0.494 mg/Kg	1	12/13/2012 02:23 PM
Selenium	0.568			0.494 mg/Kg	1	12/13/2012 02:23 PM
Silver	ND			0.494 mg/Kg	1	12/13/2012 02:23 PM
Vanadium	13.9			0.494 mg/Kg	1	12/13/2012 02:23 PM
Zinc	46.8			0.494 mg/Kg	1	12/14/2012 02:01 PM
<b>LA29B SODIUM ADSORPTION RATIO</b>						
Sodium Adsorption Ratio	41.5		LA29B SAR	0.0100 meq/meq	1	Prep Date: 12/13/2012 Analyst: ALR 12/19/2012
<b>LA 29B - 1:1 SOLUBLE CATIONS FOR SAR</b>						
Calcium	227		LA29B-6020	49.6 mg/L	10	Prep Date: 12/13/2012 Analyst: ALR 12/17/2012 06:55 PM
Magnesium	55.3			49.6 mg/L	10	12/17/2012 06:55 PM
Sodium	2,690			49.6 mg/L	10	12/17/2012 06:55 PM
<b>LOW-LEVEL PAHS</b>						
Acenaphthene	ND		SW8270	6.6 µg/Kg	1	Prep Date: 12/13/2012 Analyst: LG 12/13/2012 11:08 PM
Anthracene	ND			6.6 µg/Kg	1	12/13/2012 11:08 PM
Benz(a)anthracene	ND			6.6 µg/Kg	1	12/13/2012 11:08 PM
Benzo(a)pyrene	ND			6.6 µg/Kg	1	12/13/2012 11:08 PM
Benzo(b)fluoranthene	ND			6.6 µg/Kg	1	12/13/2012 11:08 PM
Benzo(k)fluoranthene	ND			6.6 µg/Kg	1	12/13/2012 11:08 PM
Chrysene	ND			6.6 µg/Kg	1	12/13/2012 11:08 PM
Dibenz(a,h)anthracene	ND			6.6 µg/Kg	1	12/13/2012 11:08 PM
Fluoranthene	ND			6.6 µg/Kg	1	12/13/2012 11:08 PM
Fluorene	ND			6.6 µg/Kg	1	12/13/2012 11:08 PM

**Note:** See Qualifiers Page for a list of qualifiers and their explanation.

# ALS Environmental

Date: 20-Dec-12

**Client:** LT Environmental  
**Project:** 0273212039 Scott 41C  
**Sample ID:** CS 03  
**Collection Date:** 12/11/2012 11:20 AM

**Work Order:** 1212390  
**Lab ID:** 1212390-07  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Indeno(1,2,3-cd)pyrene	ND		6.6	µg/Kg	1	12/13/2012 11:08 PM
<b>Naphthalene</b>	<b>22</b>		<b>6.6</b>	<b>µg/Kg</b>	1	12/13/2012 11:08 PM
Pyrene	ND		6.6	µg/Kg	1	12/13/2012 11:08 PM
Surr: 2-Fluorobiphenyl	66.8		43-125	%REC	1	12/13/2012 11:08 PM
Surr: 4-Terphenyl-d14	78.8		32-125	%REC	1	12/13/2012 11:08 PM
Surr: Nitrobenzene-d5	60.6		37-125	%REC	1	12/13/2012 11:08 PM
<b>VOLATILES - SW8260C</b>			<b>SW8260</b>			Analyst: <b>KKP</b>
Benzene	ND		5.0	µg/Kg	1	12/14/2012 08:54 PM
Ethylbenzene	ND		5.0	µg/Kg	1	12/14/2012 08:54 PM
Toluene	ND		5.0	µg/Kg	1	12/14/2012 08:54 PM
Xylenes, Total	ND		15	µg/Kg	1	12/14/2012 08:54 PM
Surr: 1,2-Dichloroethane-d4	112		70-128	%REC	1	12/14/2012 08:54 PM
Surr: 4-Bromofluorobenzene	100		73-126	%REC	1	12/14/2012 08:54 PM
Surr: Dibromofluoromethane	107		71-128	%REC	1	12/14/2012 08:54 PM
Surr: Toluene-d8	96.2		73-127	%REC	1	12/14/2012 08:54 PM
<b>HEXAVALENT CHROMIUM - SW7196A</b>			<b>SW7196</b>		Prep Date: <b>12/19/2012</b>	Analyst: <b>EDG</b>
Chromium, Hexavalent	ND		1.96	mg/Kg	1	12/19/2012 09:05 AM
<b>LA29B ELECTRICAL CONDUCTIVITY</b>			<b>LADNR-29B EC</b>			Analyst: <b>VAN</b>
Electrical Conductivity @ saturation	<b>3.79</b>		<b>0.0100</b>	mmhos/cm @25°C	1	12/18/2012 01:00 PM
Electrical Conductivity, 1:1 aqueous	<b>1.33</b>		<b>0.0100</b>	mmhos/cm @25°C	1	12/18/2012 01:00 PM
Saturation % as decimal	<b>0.351</b>			mmhos/cm @25°C	1	12/18/2012 01:00 PM
<b>LA29B SATURATION POINT</b>			<b>LADNR-29B SP</b>			Analyst: <b>KAH</b>
Saturation Point	<b>0.351</b>		<b>0.100</b>	% Saturation as Decimal	1	12/18/2012 12:50 PM
<b>PH - SOIL - SW9045D</b>			<b>SW9045B</b>			Analyst: <b>KL</b>
pH	<b>9.35</b>		<b>0.100</b>	pH Units	1	12/15/2012 12:30 PM

**Note:** See Qualifiers Page for a list of qualifiers and their explanation.

# ALS Environmental

Date: 20-Dec-12

**Client:** LT Environmental  
**Project:** 0273212039 Scott 41C  
**Sample ID:** CS 04  
**Collection Date:** 12/11/2012 11:40 AM

**Work Order:** 1212390  
**Lab ID:** 1212390-08  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>TPH DRO/ORO - 8015C</b>						
TPH (Diesel Range)	ND		<b>SW8015M</b>	1.7 mg/Kg	Prep Date: 12/14/2012	Analyst: <b>KMB</b>
Surr: 2-Fluorobiphenyl	62.5		60-135	%REC	1	12/17/2012 02:59 PM
<b>GASOLINE RANGE ORGANICS - SW8015C</b>						
Gasoline Range Organics	ND		<b>SW8015</b>	0.050 mg/Kg	1	Analyst: <b>SMA</b>
Surr: 4-Bromofluorobenzene	85.3		70-130	%REC	1	12/13/2012 09:51 PM
<b>MERCURY - SW7471B</b>						
Mercury	53.6		<b>SW7471A</b>	3.58 µg/Kg	Prep Date: 12/18/2012	Analyst: <b>OFO</b>
<b>METALS</b>						
Arsenic	1.68		<b>SW6020</b>	0.489 mg/Kg	Prep Date: 12/13/2012	Analyst: <b>SKS</b>
Barium	1,430			48.9 mg/Kg	100	12/13/2012 02:42 PM
Cadmium	ND			0.489 mg/Kg	1	12/14/2012 03:08 PM
Chromium	7.73			0.489 mg/Kg	1	12/13/2012 02:42 PM
Copper	12.3			0.489 mg/Kg	1	12/13/2012 02:42 PM
Lead	6.79			0.489 mg/Kg	1	12/13/2012 02:42 PM
Nickel	11.2			0.489 mg/Kg	1	12/13/2012 02:42 PM
Selenium	0.616			0.489 mg/Kg	1	12/13/2012 02:42 PM
Silver	ND			0.489 mg/Kg	1	12/13/2012 02:42 PM
Vanadium	11.7			0.489 mg/Kg	1	12/13/2012 02:42 PM
Zinc	45.1			0.978 mg/Kg	1	12/13/2012 02:42 PM
<b>LA29B SODIUM ADSORPTION RATIO</b>						
Sodium Adsorption Ratio	11.3		<b>LA29B SAR</b>	0.0100 meq/meq	Prep Date: 12/13/2012	Analyst: <b>ALR</b>
<b>LA 29B - 1:1 SOLUBLE CATIONS FOR SAR</b>						
Calcium	23.8		<b>LA29B-6020</b>	5.00 mg/L	Prep Date: 12/13/2012	Analyst: <b>ALR</b>
Magnesium	5.54			5.00 mg/L	10	12/17/2012 07:00 PM
Sodium	236			5.00 mg/L	10	12/17/2012 07:00 PM
<b>LOW-LEVEL PAHS</b>						
Acenaphthene	ND		<b>SW8270</b>	6.6 µg/Kg	Prep Date: 12/13/2012	Analyst: <b>LG</b>
Anthracene	ND			6.6 µg/Kg	1	12/14/2012 02:09 AM
Benz(a)anthracene	ND			6.6 µg/Kg	1	12/14/2012 02:09 AM
Benzo(a)pyrene	ND			6.6 µg/Kg	1	12/14/2012 02:09 AM
Benzo(b)fluoranthene	ND			6.6 µg/Kg	1	12/14/2012 02:09 AM
Benzo(k)fluoranthene	ND			6.6 µg/Kg	1	12/14/2012 02:09 AM
Chrysene	ND			6.6 µg/Kg	1	12/14/2012 02:09 AM
Dibenz(a,h)anthracene	ND			6.6 µg/Kg	1	12/14/2012 02:09 AM
Fluoranthene	ND			6.6 µg/Kg	1	12/14/2012 02:09 AM
Fluorene	8.7			6.6 µg/Kg	1	12/14/2012 02:09 AM

**Note:** See Qualifiers Page for a list of qualifiers and their explanation.

# ALS Environmental

Date: 20-Dec-12

**Client:** LT Environmental  
**Project:** 0273212039 Scott 41C  
**Sample ID:** CS 04  
**Collection Date:** 12/11/2012 11:40 AM

**Work Order:** 1212390  
**Lab ID:** 1212390-08  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Indeno(1,2,3-cd)pyrene	ND		6.6	µg/Kg	1	12/14/2012 02:09 AM
<b>Naphthalene</b>	<b>34</b>		<b>6.6</b>	<b>µg/Kg</b>	1	12/14/2012 02:09 AM
Pyrene	ND		6.6	µg/Kg	1	12/14/2012 02:09 AM
Surr: 2-Fluorobiphenyl	56.6		43-125	%REC	1	12/14/2012 02:09 AM
Surr: 4-Terphenyl-d14	65.3		32-125	%REC	1	12/14/2012 02:09 AM
Surr: Nitrobenzene-d5	44.5		37-125	%REC	1	12/14/2012 02:09 AM
<b>VOLATILES - SW8260C</b>			<b>SW8260</b>			Analyst: <b>KKP</b>
Benzene	ND		5.0	µg/Kg	1	12/15/2012 01:56 AM
Ethylbenzene	ND		5.0	µg/Kg	1	12/15/2012 01:56 AM
Toluene	ND		5.0	µg/Kg	1	12/15/2012 01:56 AM
Xylenes, Total	ND		15	µg/Kg	1	12/15/2012 01:56 AM
Surr: 1,2-Dichloroethane-d4	109		70-128	%REC	1	12/15/2012 01:56 AM
Surr: 4-Bromofluorobenzene	100		73-126	%REC	1	12/15/2012 01:56 AM
Surr: Dibromofluoromethane	106		71-128	%REC	1	12/15/2012 01:56 AM
Surr: Toluene-d8	95.9		73-127	%REC	1	12/15/2012 01:56 AM
<b>HEXAVALENT CHROMIUM - SW7196A</b>			<b>SW7196</b>		Prep Date: <b>12/19/2012</b>	Analyst: <b>EDG</b>
Chromium, Hexavalent	ND		1.95	mg/Kg	1	12/19/2012 09:05 AM
<b>LA29B ELECTRICAL CONDUCTIVITY</b>			<b>LADNR-29B EC</b>			Analyst: <b>VAN</b>
Electrical Conductivity @ saturation	<b>3.46</b>		<b>0.0100</b>	mmhos/cm @25°C	1	12/18/2012 01:00 PM
Electrical Conductivity, 1:1 aqueous	<b>1.32</b>		<b>0.0100</b>	mmhos/cm @25°C	1	12/18/2012 01:00 PM
Saturation % as decimal	<b>0.381</b>			mmhos/cm @25°C	1	12/18/2012 01:00 PM
<b>LA29B SATURATION POINT</b>			<b>LADNR-29B SP</b>			Analyst: <b>KAH</b>
Saturation Point	<b>0.381</b>		<b>0.100</b>	% Saturation as Decimal	1	12/18/2012 12:50 PM
<b>PH - SOIL - SW9045D</b>			<b>SW9045B</b>			Analyst: <b>KL</b>
pH	<b>9.27</b>		<b>0.100</b>	pH Units	1	12/15/2012 12:30 PM

**Note:** See Qualifiers Page for a list of qualifiers and their explanation.

# ALS Environmental

Date: 20-Dec-12

**Client:** LT Environmental  
**Project:** 0273212039 Scott 41C  
**Sample ID:** PS - 01 @ 20'  
**Collection Date:** 12/11/2012 10:25 AM

**Work Order:** 1212390  
**Lab ID:** 1212390-09  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>TPH DRO/ORO - 8015C</b>						
TPH (Diesel Range)	ND		<b>SW8015M</b>	1.7 mg/Kg	Prep Date: 12/14/2012	Analyst: <b>KMB</b>
Surr: 2-Fluorobiphenyl	61.1		60-135	%REC	1	12/14/2012 09:42 PM
<b>GASOLINE RANGE ORGANICS - SW8015C</b>						
Gasoline Range Organics	ND		<b>SW8015</b>	0.050 mg/Kg	1	Analyst: <b>SMA</b>
Surr: 4-Bromofluorobenzene	86.1		70-130	%REC	1	12/13/2012 10:10 PM
<b>MERCURY - SW7471B</b>						
Mercury	38.4		<b>SW7471A</b>	3.51 µg/Kg	Prep Date: 12/18/2012	Analyst: <b>OFO</b>
<b>METALS</b>						
Arsenic	1.55		<b>SW6020</b>	0.410 mg/Kg	Prep Date: 12/13/2012	Analyst: <b>SKS</b>
Barium	198			41.0 mg/Kg	100	12/13/2012 02:45 PM
Cadmium	ND			0.410 mg/Kg	1	12/14/2012 03:13 PM
Chromium	7.17			0.410 mg/Kg	1	12/13/2012 02:45 PM
Copper	8.96			0.410 mg/Kg	1	12/13/2012 02:45 PM
Lead	6.63			0.410 mg/Kg	1	12/13/2012 02:45 PM
Nickel	11.4			0.410 mg/Kg	1	12/13/2012 02:45 PM
Selenium	0.667			0.410 mg/Kg	1	12/13/2012 02:45 PM
Silver	ND			0.410 mg/Kg	1	12/13/2012 02:45 PM
Vanadium	12.1			0.410 mg/Kg	1	12/13/2012 02:45 PM
Zinc	43.2			0.820 mg/Kg	1	12/13/2012 02:45 PM
<b>LA29B SODIUM ADSORPTION RATIO</b>						
Sodium Adsorption Ratio	7.82		<b>LA29B SAR</b>	0.0100 meq/meq	Prep Date: 12/13/2012	Analyst: <b>ALR</b>
<b>LA 29B - 1:1 SOLUBLE CATIONS FOR SAR</b>						
Calcium	17.8		<b>LA29B-6020</b>	5.00 mg/L	Prep Date: 12/13/2012	Analyst: <b>ALR</b>
Magnesium	6.82			5.00 mg/L	10	12/17/2012 07:05 PM
Sodium	153			5.00 mg/L	10	12/17/2012 07:05 PM
<b>LOW-LEVEL PAHS</b>						
Acenaphthene	ND		<b>SW8270</b>	6.6 µg/Kg	Prep Date: 12/13/2012	Analyst: <b>LG</b>
Anthracene	ND			6.6 µg/Kg	1	12/14/2012 02:29 AM
Benz(a)anthracene	ND			6.6 µg/Kg	1	12/14/2012 02:29 AM
Benzo(a)pyrene	ND			6.6 µg/Kg	1	12/14/2012 02:29 AM
Benzo(b)fluoranthene	ND			6.6 µg/Kg	1	12/14/2012 02:29 AM
Benzo(k)fluoranthene	ND			6.6 µg/Kg	1	12/14/2012 02:29 AM
Chrysene	ND			6.6 µg/Kg	1	12/14/2012 02:29 AM
Dibenz(a,h)anthracene	ND			6.6 µg/Kg	1	12/14/2012 02:29 AM
Fluoranthene	ND			6.6 µg/Kg	1	12/14/2012 02:29 AM
Fluorene	ND			6.6 µg/Kg	1	12/14/2012 02:29 AM

**Note:** See Qualifiers Page for a list of qualifiers and their explanation.

# ALS Environmental

Date: 20-Dec-12

**Client:** LT Environmental  
**Project:** 0273212039 Scott 41C  
**Sample ID:** PS - 01 @ 20'  
**Collection Date:** 12/11/2012 10:25 AM

**Work Order:** 1212390  
**Lab ID:** 1212390-09  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Indeno(1,2,3-cd)pyrene	ND		6.6	µg/Kg	1	12/14/2012 02:29 AM
<b>Naphthalene</b>	<b>26</b>		<b>6.6</b>	<b>µg/Kg</b>	1	12/14/2012 02:29 AM
Pyrene	ND		6.6	µg/Kg	1	12/14/2012 02:29 AM
Surr: 2-Fluorobiphenyl	45.9		43-125	%REC	1	12/14/2012 02:29 AM
Surr: 4-Terphenyl-d14	56.8		32-125	%REC	1	12/14/2012 02:29 AM
Surr: Nitrobenzene-d5	42.9		37-125	%REC	1	12/14/2012 02:29 AM
<b>VOLATILES - SW8260C</b>			<b>SW8260</b>			Analyst: <b>KKP</b>
Benzene	ND		5.0	µg/Kg	1	12/15/2012 02:22 AM
Ethylbenzene	ND		5.0	µg/Kg	1	12/15/2012 02:22 AM
<b>Toluene</b>	<b>5.4</b>		<b>5.0</b>	<b>µg/Kg</b>	1	12/15/2012 02:22 AM
Xylenes, Total	ND		15	µg/Kg	1	12/15/2012 02:22 AM
Surr: 1,2-Dichloroethane-d4	109		70-128	%REC	1	12/15/2012 02:22 AM
Surr: 4-Bromofluorobenzene	98.7		73-126	%REC	1	12/15/2012 02:22 AM
Surr: Dibromofluoromethane	105		71-128	%REC	1	12/15/2012 02:22 AM
Surr: Toluene-d8	94.9		73-127	%REC	1	12/15/2012 02:22 AM
<b>HEXAVALENT CHROMIUM - SW7196A</b>			<b>SW7196</b>		Prep Date: <b>12/19/2012</b>	Analyst: <b>EDG</b>
Chromium, Hexavalent	ND		2.00	mg/Kg	1	12/19/2012 09:05 AM
<b>LA29B ELECTRICAL CONDUCTIVITY</b>			<b>LADNR-29B EC</b>			Analyst: <b>VAN</b>
Electrical Conductivity @ saturation	<b>2.45</b>		<b>0.0100</b>	mmhos/cm @25°C	1	12/18/2012 01:00 PM
Electrical Conductivity, 1:1 aqueous	<b>0.688</b>		<b>0.0100</b>	mmhos/cm @25°C	1	12/18/2012 01:00 PM
Saturation % as decimal	<b>0.280</b>			mmhos/cm @25°C	1	12/18/2012 01:00 PM
<b>LA29B SATURATION POINT</b>			<b>LADNR-29B SP</b>			Analyst: <b>KAH</b>
Saturation Point	<b>0.280</b>		<b>0.100</b>	% Saturation as Decimal	1	12/18/2012 12:50 PM
<b>PH - SOIL - SW9045D</b>			<b>SW9045B</b>			Analyst: <b>KL</b>
pH	<b>9.72</b>		<b>0.100</b>	pH Units	1	12/15/2012 12:30 PM

**Note:** See Qualifiers Page for a list of qualifiers and their explanation.

# ALS Environmental

Date: 20-Dec-12

**Client:** LT Environmental  
**Project:** 0273212039 Scott 41C  
**Sample ID:** PS - 02 @ 20'  
**Collection Date:** 12/11/2012 10:35 AM

**Work Order:** 1212390  
**Lab ID:** 1212390-10  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>TPH DRO/ORO - 8015C</b>						
TPH (Diesel Range)	ND		<b>SW8015M</b>	1.7 mg/Kg	Prep Date: 12/14/2012	Analyst: <b>KMB</b> 12/14/2012 10:05 PM
Surr: 2-Fluorobiphenyl	60.8		60-135	%REC	1	12/14/2012 10:05 PM
<b>GASOLINE RANGE ORGANICS - SW8015C</b>						
Gasoline Range Organics	ND		<b>SW8015</b>	0.050 mg/Kg	1	Analyst: <b>SMA</b> 12/13/2012 10:29 PM
Surr: 4-Bromofluorobenzene	89.9		70-130	%REC	1	12/13/2012 10:29 PM
<b>MERCURY - SW7471B</b>						
Mercury	18.2		<b>SW7471A</b>	3.53 µg/Kg	Prep Date: 12/18/2012	Analyst: <b>OFO</b> 12/18/2012 03:01 PM
<b>METALS</b>						
Arsenic	1.52		<b>SW6020</b>	0.477 mg/Kg	Prep Date: 12/13/2012	Analyst: <b>SKS</b> 12/13/2012 02:47 PM
Barium	105		0.477	mg/Kg	1	12/13/2012 02:47 PM
Cadmium	ND		0.477	mg/Kg	1	12/13/2012 02:47 PM
Chromium	6.75		0.477	mg/Kg	1	12/13/2012 02:47 PM
Copper	5.82		0.477	mg/Kg	1	12/13/2012 02:47 PM
Lead	5.89		0.477	mg/Kg	1	12/13/2012 02:47 PM
Nickel	9.51		0.477	mg/Kg	1	12/13/2012 02:47 PM
Selenium	0.478		0.477	mg/Kg	1	12/13/2012 02:47 PM
Silver	ND		0.477	mg/Kg	1	12/13/2012 02:47 PM
Vanadium	11.3		0.477	mg/Kg	1	12/13/2012 02:47 PM
Zinc	37.5		0.953	mg/Kg	1	12/13/2012 02:47 PM
<b>LA29B SODIUM ADSORPTION RATIO</b>						
Sodium Adsorption Ratio	6.30		<b>LA29B SAR</b>	0.0100 meq/meq	Prep Date: 12/13/2012	Analyst: <b>ALR</b> 12/19/2012
<b>LA 29B - 1:1 SOLUBLE CATIONS FOR SAR</b>						
Calcium	16.5		<b>LA29B-6020</b>	5.00 mg/L	Prep Date: 12/13/2012	Analyst: <b>ALR</b> 12/17/2012 07:10 PM
Magnesium	5.60		5.00	mg/L	10	12/17/2012 07:10 PM
Sodium	116		5.00	mg/L	10	12/17/2012 07:10 PM
<b>LOW-LEVEL PAHS</b>						
Acenaphthene	ND		<b>SW8270</b>	6.6 µg/Kg	Prep Date: 12/13/2012	Analyst: <b>LG</b> 12/14/2012 02:49 AM
Anthracene	ND		6.6	µg/Kg	1	12/14/2012 02:49 AM
Benz(a)anthracene	ND		6.6	µg/Kg	1	12/14/2012 02:49 AM
Benzo(a)pyrene	ND		6.6	µg/Kg	1	12/14/2012 02:49 AM
Benzo(b)fluoranthene	ND		6.6	µg/Kg	1	12/14/2012 02:49 AM
Benzo(k)fluoranthene	ND		6.6	µg/Kg	1	12/14/2012 02:49 AM
Chrysene	ND		6.6	µg/Kg	1	12/14/2012 02:49 AM
Dibenz(a,h)anthracene	ND		6.6	µg/Kg	1	12/14/2012 02:49 AM
Fluoranthene	ND		6.6	µg/Kg	1	12/14/2012 02:49 AM
Fluorene	ND		6.6	µg/Kg	1	12/14/2012 02:49 AM

**Note:** See Qualifiers Page for a list of qualifiers and their explanation.

# ALS Environmental

Date: 20-Dec-12

**Client:** LT Environmental  
**Project:** 0273212039 Scott 41C  
**Sample ID:** PS - 02 @ 20'  
**Collection Date:** 12/11/2012 10:35 AM

**Work Order:** 1212390  
**Lab ID:** 1212390-10  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Indeno(1,2,3-cd)pyrene	ND		6.6	µg/Kg	1	12/14/2012 02:49 AM
<b>Naphthalene</b>	<b>6.6</b>		<b>6.6</b>	<b>µg/Kg</b>	1	12/14/2012 02:49 AM
Pyrene	ND		6.6	µg/Kg	1	12/14/2012 02:49 AM
Surr: 2-Fluorobiphenyl	55.2		43-125	%REC	1	12/14/2012 02:49 AM
Surr: 4-Terphenyl-d14	74.4		32-125	%REC	1	12/14/2012 02:49 AM
Surr: Nitrobenzene-d5	53.3		37-125	%REC	1	12/14/2012 02:49 AM
<b>VOLATILES - SW8260C</b>			<b>SW8260</b>			Analyst: <b>KKP</b>
Benzene	ND		5.0	µg/Kg	1	12/15/2012 02:47 AM
Ethylbenzene	ND		5.0	µg/Kg	1	12/15/2012 02:47 AM
Toluene	ND		5.0	µg/Kg	1	12/15/2012 02:47 AM
Xylenes, Total	ND		15	µg/Kg	1	12/15/2012 02:47 AM
Surr: 1,2-Dichloroethane-d4	104		70-128	%REC	1	12/15/2012 02:47 AM
Surr: 4-Bromofluorobenzene	98.5		73-126	%REC	1	12/15/2012 02:47 AM
Surr: Dibromofluoromethane	100		71-128	%REC	1	12/15/2012 02:47 AM
Surr: Toluene-d8	96.3		73-127	%REC	1	12/15/2012 02:47 AM
<b>HEXAVALENT CHROMIUM - SW7196A</b>			<b>SW7196</b>		Prep Date: <b>12/19/2012</b>	Analyst: <b>EDG</b>
Chromium, Hexavalent	ND		1.98	mg/Kg	1	12/19/2012 09:05 AM
<b>LA29B ELECTRICAL CONDUCTIVITY</b>			<b>LADNR-29B EC</b>			Analyst: <b>VAN</b>
Electrical Conductivity @ saturation	1.74		0.0100	mmhos/cm @25°C	1	12/18/2012 01:00 PM
Electrical Conductivity, 1:1 aqueous	0.486		0.0100	mmhos/cm @25°C	1	12/18/2012 01:00 PM
Saturation % as decimal	0.279			mmhos/cm @25°C	1	12/18/2012 01:00 PM
<b>LA29B SATURATION POINT</b>			<b>LADNR-29B SP</b>			Analyst: <b>KAH</b>
Saturation Point	0.279		0.100	% Saturation as Decimal	1	12/18/2012 12:50 PM
<b>PH - SOIL - SW9045D</b>			<b>SW9045B</b>			Analyst: <b>KL</b>
pH	9.96		0.100	pH Units	1	12/15/2012 12:30 PM

**Note:** See Qualifiers Page for a list of qualifiers and their explanation.



# ALS Environmental

Date: 20-Dec-12

**Client:** LT Environmental  
**Project:** 0273212039 Scott 41C  
**Sample ID:** FS - 01  
**Collection Date:** 12/11/2012 12:05 PM

**Work Order:** 1212390  
**Lab ID:** 1212390-11  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>TPH DRO/ORO - 8015C</b>						
TPH (Diesel Range)	140		SW8015M	17 mg/Kg	10	Prep Date: 12/14/2012 Analyst: KMB 12/17/2012 03:43 PM
Surr: 2-Fluorobiphenyl	108		60-135	%REC	10	12/17/2012 03:43 PM
<b>GASOLINE RANGE ORGANICS - SW8015C</b>						
Gasoline Range Organics	0.30		SW8015	0.050 mg/Kg	1	Analyst: SMA 12/13/2012 10:48 PM
Surr: 4-Bromofluorobenzene	86.2		70-130	%REC	1	12/13/2012 10:48 PM
<b>MERCURY - SW7471B</b>						
Mercury	11.2		SW7471A	3.53 µg/Kg	1	Prep Date: 12/18/2012 Analyst: OFO 12/18/2012 03:03 PM
<b>METALS</b>						
Arsenic	1.71		SW6020	0.447 mg/Kg	1	Prep Date: 12/13/2012 Analyst: SKS 12/13/2012 02:50 PM
Barium	1,670			44.7 mg/Kg	100	12/14/2012 03:18 PM
Cadmium	ND			0.447 mg/Kg	1	12/13/2012 02:50 PM
Chromium	6.90			0.447 mg/Kg	1	12/13/2012 02:50 PM
Copper	10.1			0.447 mg/Kg	1	12/13/2012 02:50 PM
Lead	6.36			0.447 mg/Kg	1	12/13/2012 02:50 PM
Nickel	8.97			0.447 mg/Kg	1	12/13/2012 02:50 PM
Selenium	ND			0.447 mg/Kg	1	12/13/2012 02:50 PM
Silver	ND			0.447 mg/Kg	1	12/13/2012 02:50 PM
Vanadium	10.5			0.447 mg/Kg	1	12/13/2012 02:50 PM
Zinc	35.3			0.893 mg/Kg	1	12/13/2012 02:50 PM
<b>LA29B SODIUM ADSORPTION RATIO</b>						
Sodium Adsorption Ratio	10.6		LA29B SAR	0.0100 meq/meq	1	Prep Date: 12/13/2012 Analyst: ALR 12/19/2012
<b>LA 29B - 1:1 SOLUBLE CATIONS FOR SAR</b>						
Calcium	25.6		LA29B-6020	5.00 mg/L	10	Prep Date: 12/13/2012 Analyst: ALR 12/17/2012 07:15 PM
Magnesium	5.57			5.00 mg/L	10	12/17/2012 07:15 PM
Sodium	228			5.00 mg/L	10	12/17/2012 07:15 PM
<b>LOW-LEVEL PAHS</b>						
Acenaphthene	ND		SW8270	6.6 µg/Kg	1	Prep Date: 12/13/2012 Analyst: LG 12/14/2012 03:10 AM
Anthracene	ND			6.6 µg/Kg	1	12/14/2012 03:10 AM
Benz(a)anthracene	ND			6.6 µg/Kg	1	12/14/2012 03:10 AM
Benzo(a)pyrene	ND			6.6 µg/Kg	1	12/14/2012 03:10 AM
Benzo(b)fluoranthene	ND			6.6 µg/Kg	1	12/14/2012 03:10 AM
Benzo(k)fluoranthene	ND			6.6 µg/Kg	1	12/14/2012 03:10 AM
Chrysene	8.1			6.6 µg/Kg	1	12/14/2012 03:10 AM
Dibenz(a,h)anthracene	ND			6.6 µg/Kg	1	12/14/2012 03:10 AM
Fluoranthene	ND			6.6 µg/Kg	1	12/14/2012 03:10 AM
Fluorene	33			6.6 µg/Kg	1	12/14/2012 03:10 AM

**Note:** See Qualifiers Page for a list of qualifiers and their explanation.

# ALS Environmental

Date: 20-Dec-12

**Client:** LT Environmental  
**Project:** 0273212039 Scott 41C  
**Sample ID:** FS - 01  
**Collection Date:** 12/11/2012 12:05 PM

**Work Order:** 1212390  
**Lab ID:** 1212390-11  
**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Indeno(1,2,3-cd)pyrene	ND		6.6	µg/Kg	1	12/14/2012 03:10 AM
<b>Naphthalene</b>	<b>150</b>		<b>6.6</b>	<b>µg/Kg</b>	1	12/14/2012 03:10 AM
<b>Pyrene</b>	<b>7.0</b>		<b>6.6</b>	<b>µg/Kg</b>	1	12/14/2012 03:10 AM
Surr: 2-Fluorobiphenyl	62.7		43-125	%REC	1	12/14/2012 03:10 AM
Surr: 4-Terphenyl-d14	80.4		32-125	%REC	1	12/14/2012 03:10 AM
Surr: Nitrobenzene-d5	47.5		37-125	%REC	1	12/14/2012 03:10 AM
<b>VOLATILES - SW8260C</b>			<b>SW8260</b>			Analyst: <b>KKP</b>
Benzene	ND		5.0	µg/Kg	1	12/15/2012 03:12 AM
Ethylbenzene	ND		5.0	µg/Kg	1	12/15/2012 03:12 AM
Toluene	ND		5.0	µg/Kg	1	12/15/2012 03:12 AM
Xylenes, Total	ND		15	µg/Kg	1	12/15/2012 03:12 AM
Surr: 1,2-Dichloroethane-d4	108		70-128	%REC	1	12/15/2012 03:12 AM
Surr: 4-Bromofluorobenzene	99.6		73-126	%REC	1	12/15/2012 03:12 AM
Surr: Dibromofluoromethane	104		71-128	%REC	1	12/15/2012 03:12 AM
Surr: Toluene-d8	97.1		73-127	%REC	1	12/15/2012 03:12 AM
<b>HEXAVALENT CHROMIUM - SW7196A</b>			<b>SW7196</b>		Prep Date: <b>12/19/2012</b>	Analyst: <b>EDG</b>
Chromium, Hexavalent	ND		1.95	mg/Kg	1	12/19/2012 09:05 AM
<b>LA29B ELECTRICAL CONDUCTIVITY</b>			<b>LADNR-29B EC</b>			Analyst: <b>VAN</b>
Electrical Conductivity @ saturation	<b>3.86</b>		<b>0.0100</b>	mmhos/cm @25°C	1	12/18/2012 01:00 PM
Electrical Conductivity, 1:1 aqueous	<b>1.03</b>		<b>0.0100</b>	mmhos/cm @25°C	1	12/18/2012 01:00 PM
Saturation % as decimal	<b>0.267</b>			mmhos/cm @25°C	1	12/18/2012 01:00 PM
<b>LA29B SATURATION POINT</b>			<b>LADNR-29B SP</b>			Analyst: <b>KAH</b>
Saturation Point	<b>0.267</b>		<b>0.100</b>	% Saturation as Decimal	1	12/18/2012 12:50 PM
<b>PH - SOIL - SW9045D</b>			<b>SW9045B</b>			Analyst: <b>KL</b>
pH	<b>9.28</b>		<b>0.100</b>	pH Units	1	12/15/2012 12:30 PM

**Note:** See Qualifiers Page for a list of qualifiers and their explanation.

# ALS Environmental

Date: 20-Dec-12

**Client:** LT Environmental  
**Work Order:** 1212390  
**Project:** 0273212039 Scott 41C

## QC BATCH REPORT

Batch ID: **66509a** Instrument ID **FID-7** Method: **SW8015M**

<b>MBLK</b>	Sample ID: <b>FBLKS1-121412-66509a</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>12/14/2012 02:57 PM</b>			
Client ID:	Run ID: <b>FID-7_121214B</b>				SeqNo: <b>3055320</b>		Prep Date: <b>12/14/2012</b>		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH (Diesel Range)	ND	1.7								
<i>Surr: 2-Fluorobiphenyl</i>	3.491	0.10	3.33	0	105	60-135	0			

<b>LCS</b>	Sample ID: <b>FLCSS1-121412-66509a</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>12/14/2012 03:20 PM</b>			
Client ID:	Run ID: <b>FID-7_121214B</b>				SeqNo: <b>3055321</b>		Prep Date: <b>12/14/2012</b>		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH (Diesel Range)	38.83	1.7	33.33	0	116	70-130	0			
<i>Surr: 2-Fluorobiphenyl</i>	3.187	0.10	3.33	0	95.7	60-135	0			

<b>MS</b>	Sample ID: <b>1212295-08AMS</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>12/14/2012 04:04 PM</b>			
Client ID:	Run ID: <b>FID-7_121214B</b>				SeqNo: <b>3055323</b>		Prep Date: <b>12/14/2012</b>		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH (Diesel Range)	32.93	1.7	33.21	1.131	95.8	70-130	0			
<i>Surr: 2-Fluorobiphenyl</i>	2.041	0.10	3.318	0	61.5	60-135	0			

<b>MSD</b>	Sample ID: <b>1212295-08AMSD</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>12/14/2012 04:27 PM</b>			
Client ID:	Run ID: <b>FID-7_121214B</b>				SeqNo: <b>3055324</b>		Prep Date: <b>12/14/2012</b>		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
TPH (Diesel Range)	40.11	1.7	33.23	1.131	117	70-130	32.93	19.6	30	
<i>Surr: 2-Fluorobiphenyl</i>	2.778	0.10	3.32	0	83.7	60-135	2.041	30.6	30	R

The following samples were analyzed in this batch:

1212390-05C	1212390-06C	1212390-07C
1212390-08C	1212390-09C	1212390-10C
1212390-11C		

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

QC Page: 1 of 18

Client: LT Environmental  
 Work Order: 1212390  
 Project: 0273212039 Scott 41C

## QC BATCH REPORT

Batch ID: **R139827** Instrument ID **FID-9** Method: **SW8015**

**MBLK** Sample ID: **GBLKS-121213-R139827** Units: **mg/Kg** Analysis Date: **12/13/2012 08:36 PM**

Client ID: Run ID: **FID-9\_121213B** SeqNo: **3052827** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Gasoline Range Organics	ND	0.050								
Surr: 4-Bromofluorobenzene	0.09051	0.0050	0.1	0	90.5	70-130	0			

**LCS** Sample ID: **GLCSS-121213-R139827** Units: **mg/Kg** Analysis Date: **12/13/2012 07:58 PM**

Client ID: Run ID: **FID-9\_121213B** SeqNo: **3052825** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Gasoline Range Organics	1.049	0.050	1	0	105	70-130	0			
Surr: 4-Bromofluorobenzene	0.09688	0.0050	0.1	0	96.9	70-130	0			

**LCSD** Sample ID: **GLCSDS-121213-R139827** Units: **mg/Kg** Analysis Date: **12/13/2012 08:17 PM**

Client ID: Run ID: **FID-9\_121213B** SeqNo: **3052826** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Gasoline Range Organics	1.01	0.050	1	0	101	70-130	1.049	3.78	30	
Surr: 4-Bromofluorobenzene	0.09475	0.0050	0.1	0	94.7	70-130	0.09688	2.23	30	

**MS** Sample ID: **1212393-01BMS** Units: **mg/Kg** Analysis Date: **12/13/2012 11:44 PM**

Client ID: Run ID: **FID-9\_121213B** SeqNo: **3052840** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Gasoline Range Organics	0.9472	0.050	1	0	94.7	70-130	0			
Surr: 4-Bromofluorobenzene	0.08799	0.0050	0.1	0	88	70-130	0			

**MSD** Sample ID: **1212393-01BMSD** Units: **mg/Kg** Analysis Date: **12/14/2012 12:03 AM**

Client ID: Run ID: **FID-9\_121213B** SeqNo: **3052841** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Gasoline Range Organics	0.9593	0.050	1	0	95.9	70-130	0.9472	1.27	30	
Surr: 4-Bromofluorobenzene	0.08822	0.0050	0.1	0	88.2	70-130	0.08799	0.27	30	

The following samples were analyzed in this batch:

1212390-05B	1212390-06B	1212390-07B
1212390-08B	1212390-09B	1212390-10B
1212390-11B		

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** LT Environmental  
**Work Order:** 1212390  
**Project:** 0273212039 Scott 41C

## QC BATCH REPORT

Batch ID: **66499** Instrument ID **ICPMS05** Method: **SW6020**

**MBLK** Sample ID: **MBLKS1-121312-66499** Units: **mg/Kg** Analysis Date: **12/13/2012 02:04 PM**

Client ID: Run ID: **ICPMS05\_121213A** SeqNo: **3051934** Prep Date: **12/13/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.50								
Barium	ND	0.50								
Cadmium	ND	0.50								
Chromium	ND	0.50								
Copper	ND	0.50								
Lead	ND	0.50								
Nickel	ND	0.50								
Selenium	ND	0.50								
Silver	ND	0.50								
Vanadium	ND	0.50								

**MBLK** Sample ID: **MBLKS1-121312-66499** Units: **mg/Kg** Analysis Date: **12/14/2012 01:50 PM**

Client ID: Run ID: **ICP7500\_121214A** SeqNo: **3053376** Prep Date: **12/13/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Zinc	ND	0.50								

**LCS** Sample ID: **MLCSS1-121312-66499** Units: **mg/Kg** Analysis Date: **12/13/2012 02:06 PM**

Client ID: Run ID: **ICPMS05\_121213A** SeqNo: **3051935** Prep Date: **12/13/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	8.784	0.50	10	0	87.8	80-120	0			
Barium	9.083	0.50	10	0	90.8	80-120	0			
Cadmium	8.739	0.50	10	0	87.4	80-120	0			
Chromium	8.98	0.50	10	0	89.8	80-120	0			
Copper	9.08	0.50	10	0	90.8	80-120	0			
Lead	8.929	0.50	10	0	89.3	80-120	0			
Nickel	8.994	0.50	10	0	89.9	80-120	0			
Selenium	8.91	0.50	10	0	89.1	80-120	0			
Silver	9.049	0.50	10	0	90.5	80-120	0			
Vanadium	8.958	0.50	10	0	89.6	80-120	0			

**LCS** Sample ID: **MLCSS1-121312-66499** Units: **mg/Kg** Analysis Date: **12/14/2012 01:56 PM**

Client ID: Run ID: **ICP7500\_121214A** SeqNo: **3053377** Prep Date: **12/13/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Zinc	9.035	0.50	10	0	90.4	80-120	0			

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** LT Environmental  
**Work Order:** 1212390  
**Project:** 0273212039 Scott 41C

## QC BATCH REPORT

Batch ID: **66499**      Instrument ID **ICPMS05**      Method: **SW6020**

**MS**      Sample ID: **1212390-07CMS**      Units: **mg/Kg**      Analysis Date: **12/13/2012 02:33 PM**  
 Client ID: **CS 03**      Run ID: **ICPMS05\_121213A**      SeqNo: **3051946**      Prep Date: **12/13/2012**      DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	10.53	0.48	9.709	2.152	86.2	75-125	0			
Barium	1506	0.48	9.709	1482	251	75-125	0			SEO
Cadmium	9.085	0.48	9.709	0.2273	91.2	75-125	0			
Chromium	18.22	0.48	9.709	8.747	97.6	75-125	0			
Copper	21.39	0.48	9.709	12.13	95.4	75-125	0			
Lead	16.52	0.48	9.709	7.644	91.4	75-125	0			
Nickel	21.71	0.48	9.709	12.4	95.8	75-125	0			
Selenium	8.261	0.48	9.709	0.5678	79.2	75-125	0			
Silver	8.84	0.48	9.709	0	91.1	75-125	0			
Vanadium	23.05	0.48	9.709	13.9	94.2	75-125	0			
Zinc	58.03	0.97	9.709	48.33	99.9	75-125	0			O

**MSD**      Sample ID: **1212390-07CMSD**      Units: **mg/Kg**      Analysis Date: **12/13/2012 02:35 PM**  
 Client ID: **CS 03**      Run ID: **ICPMS05\_121213A**      SeqNo: **3051947**      Prep Date: **12/13/2012**      DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	8.999	0.48	9.595	2.152	71.4	75-125	10.53	15.6	25	S
Barium	1131	0.48	9.595	1482	-3650	75-125	1506	28.4	25	SREO
Cadmium	8.27	0.48	9.595	0.2273	83.8	75-125	9.085	9.39	25	
Chromium	15.89	0.48	9.595	8.747	74.4	75-125	18.22	13.7	25	S
Copper	19.51	0.48	9.595	12.13	76.9	75-125	21.39	9.21	25	
Lead	15.23	0.48	9.595	7.644	79	75-125	16.52	8.11	25	
Nickel	19.73	0.48	9.595	12.4	76.3	75-125	21.71	9.55	25	
Selenium	6.644	0.48	9.595	0.5678	63.3	75-125	8.261	21.7	25	S
Silver	7.974	0.48	9.595	0	83.1	75-125	8.84	10.3	25	
Vanadium	20.68	0.48	9.595	13.9	70.6	75-125	23.05	10.9	25	S
Zinc	54.57	0.96	9.595	48.33	65.1	75-125	58.03	6.13	25	SO

**DUP**      Sample ID: **1212390-07CDUP**      Units: **mg/Kg**      Analysis Date: **12/13/2012 02:26 PM**  
 Client ID: **CS 03**      Run ID: **ICPMS05\_121213A**      SeqNo: **3051943**      Prep Date: **12/13/2012**      DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	1.999	0.49	0	0	0	0-0	2.152	7.38	25	
Cadmium	0.1855	0.49	0	0	0	0-0	0.2273	0	25	J
Chromium	8.945	0.49	0	0	0	0-0	8.747	2.24	25	
Copper	11.74	0.49	0	0	0	0-0	12.13	3.19	25	
Lead	7.723	0.49	0	0	0	0-0	7.644	1.03	25	
Nickel	12.92	0.49	0	0	0	0-0	12.4	4.05	25	
Selenium	0.7164	0.49	0	0	0	0-0	0.5678	23.1	25	
Silver	ND	0.49	0	0	0	0-0	0.04249	0	25	
Vanadium	14.15	0.49	0	0	0	0-0	13.9	1.76	25	

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** LT Environmental  
**Work Order:** 1212390  
**Project:** 0273212039 Scott 41C

## QC BATCH REPORT

Batch ID: **66499** Instrument ID **ICPMS05** Method: **SW6020**

**DUP** Sample ID: **1212390-07CDUP** Units: **mg/Kg** Analysis Date: **12/14/2012 02:06 PM**  
Client ID: **CS 03** Run ID: **ICP7500\_121214A** SeqNo: **3053379** Prep Date: **12/13/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Zinc	47.43	0.49	0	0	0	0-0	46.76	1.42	25	

**DUP** Sample ID: **1212390-07CDUP** Units: **mg/Kg** Analysis Date: **12/14/2012 02:52 PM**  
Client ID: **CS 03** Run ID: **ICP7500\_121214A** SeqNo: **3053388** Prep Date: **12/13/2012** DF: **100**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Barium	1574	49	0	0	0	0-0	1472	6.66	25	

The following samples were analyzed in this batch:

1212390-01A	1212390-02A	1212390-03A
1212390-04A	1212390-05C	1212390-06C
1212390-07C	1212390-08C	1212390-09C
1212390-10C	1212390-11C	

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** LT Environmental  
**Work Order:** 1212390  
**Project:** 0273212039 Scott 41C

## QC BATCH REPORT

Batch ID: **66514** Instrument ID **ICP7500** Method: **La29B-6020**

**MBLK** Sample ID: **BLK-121412-SAR-66514** Units: **mg/L** Analysis Date: **12/17/2012 06:15 PM**

Client ID: Run ID: **ICP7500\_121217A** SeqNo: **3056156** Prep Date: **12/13/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	ND	0.50								
Magnesium	ND	0.50								
Sodium	ND	0.50								

**LCS** Sample ID: **LCS-121412-SAR-66514** Units: **mg/L** Analysis Date: **12/17/2012 06:20 PM**

Client ID: Run ID: **ICP7500\_121217A** SeqNo: **3056157** Prep Date: **12/13/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	10.28	0.50	10	0	103	80-120	0			
Magnesium	10.55	0.50	10	0	106	80-120	0			
Sodium	10.76	0.50	10	0	108	80-120	0			

**DUP** Sample ID: **1212393-02DDUP** Units: **mg/L** Analysis Date: **12/17/2012 07:40 PM**

Client ID: Run ID: **ICP7500\_121217A** SeqNo: **3056173** Prep Date: **12/13/2012** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	6.751	5.0	0	0	0		6.691	0.892	30	
Magnesium	3.964	2.0	0	0	0		4.364	9.6	30	
Sodium	239.3	5.0	0	0	0		235.8	1.47	30	

The following samples were analyzed in this batch:

1212390-05D	1212390-06D	1212390-07D
1212390-08D	1212390-09D	1212390-10D
1212390-11D		

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.



Client: LT Environmental  
Work Order: 1212390  
Project: 0273212039 Scott 41C

QC BATCH REPORT

Batch ID: 66514A Instrument ID MISC-Metals Method: La29B SAR

DUP	Sample ID: 1212393-02DDUP				Units: meq/meq		Analysis Date: 12/19/2012			
Client ID:	Run ID: MISC-METALS_121219				SeqNo: 3058503		Prep Date: 12/13/2012		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium Adsorption Ratio	18.06	0.010	0	0	0		17.45	3.44	30	

The following samples were analyzed in this batch:

1212390-05D	1212390-06D	1212390-07D
1212390-08D	1212390-09D	1212390-10D
1212390-11D		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** LT Environmental  
**Work Order:** 1212390  
**Project:** 0273212039 Scott 41C

## QC BATCH REPORT

Batch ID: **66522**      Instrument ID **HG02**      Method: **SW7471A**

**MBLK**      Sample ID: **GBLKS1-121812-66522**      Units: **µg/Kg**      Analysis Date: **12/18/2012 01:48 PM**

Client ID:      Run ID: **HG02\_121218A**      SeqNo: **3057189**      Prep Date: **12/18/2012**      DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	3.3								

**LCS**      Sample ID: **GLCSS1-121812-66522**      Units: **µg/Kg**      Analysis Date: **12/18/2012 01:50 PM**

Client ID:      Run ID: **HG02\_121218A**      SeqNo: **3057190**      Prep Date: **12/18/2012**      DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	318	3.3	333.3	0	95.4	85-115	0			

**MS**      Sample ID: **1212379-01CMS**      Units: **µg/Kg**      Analysis Date: **12/18/2012 02:13 PM**

Client ID:      Run ID: **HG02\_121218A**      SeqNo: **3057196**      Prep Date: **12/18/2012**      DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	333.9	3.5	352.2	12.16	91.3	85-115	0			

**MSD**      Sample ID: **1212379-01CMSD**      Units: **µg/Kg**      Analysis Date: **12/18/2012 02:23 PM**

Client ID:      Run ID: **HG02\_121218A**      SeqNo: **3057197**      Prep Date: **12/18/2012**      DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	335	3.5	351.9	12.16	91.7	85-115	333.9	0.333	20	

**DUP**      Sample ID: **1212379-01CDUP**      Units: **µg/Kg**      Analysis Date: **12/18/2012 02:03 PM**

Client ID:      Run ID: **HG02\_121218A**      SeqNo: **3057194**      Prep Date: **12/18/2012**      DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	10.02	3.5	0	0	0		12.16	19.3	20	

The following samples were analyzed in this batch:

1212390-05C	1212390-06C	1212390-07C
1212390-08C	1212390-09C	1212390-10C
1212390-11C		

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

Client: LT Environmental  
 Work Order: 1212390  
 Project: 0273212039 Scott 41C

## QC BATCH REPORT

Batch ID: **66489** Instrument ID **SV-4** Method: **SW8270**

**MBLK** Sample ID: **SBLKS1-121312-66489** Units: **µg/Kg** Analysis Date: **12/13/2012 05:04 PM**  
 Client ID: Run ID: **SV-4\_121213B** SeqNo: **3055724** Prep Date: **12/13/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	ND	6.6								
Anthracene	ND	6.6								
Benz(a)anthracene	ND	6.6								
Benzo(a)pyrene	ND	6.6								
Benzo(b)fluoranthene	ND	6.6								
Benzo(k)fluoranthene	ND	6.6								
Chrysene	ND	6.6								
Dibenz(a,h)anthracene	ND	6.6								
Fluoranthene	ND	6.6								
Fluorene	ND	6.6								
Indeno(1,2,3-cd)pyrene	ND	6.6								
Naphthalene	ND	6.6								
Pyrene	ND	6.6								
Surr: 2-Fluorobiphenyl	158.1	6.6	166.7	0	94.9	43-125	0			
Surr: 4-Terphenyl-d14	174.5	6.6	166.7	0	105	32-125	0			
Surr: Nitrobenzene-d5	152.2	6.6	166.7	0	91.3	37-125	0			

**LCS** Sample ID: **SLCSS1-121312-66489** Units: **µg/Kg** Analysis Date: **12/13/2012 05:24 PM**  
 Client ID: Run ID: **SV-4\_121213B** SeqNo: **3055725** Prep Date: **12/13/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	147.1	6.6	166.7	0	88.2	50-120	0			
Anthracene	154.4	6.6	166.7	0	92.6	50-123	0			
Benz(a)anthracene	153.9	6.6	166.7	0	92.3	50-131	0			
Benzo(a)pyrene	107.1	6.6	166.7	0	64.2	50-130	0			
Benzo(b)fluoranthene	116	6.6	166.7	0	69.6	50-137	0			
Benzo(k)fluoranthene	96.75	6.6	166.7	0	58	50-143	0			
Chrysene	147	6.6	166.7	0	88.2	50-130	0			
Dibenz(a,h)anthracene	107.7	6.6	166.7	0	64.6	50-130	0			
Fluoranthene	158	6.6	166.7	0	94.8	50-131	0			
Fluorene	148.6	6.6	166.7	0	89.2	50-125	0			
Indeno(1,2,3-cd)pyrene	113.3	6.6	166.7	0	68	45-139	0			
Naphthalene	147.5	6.6	166.7	0	88.5	50-125	0			
Pyrene	149.8	6.6	166.7	0	89.9	45-130	0			
Surr: 2-Fluorobiphenyl	148.9	6.6	166.7	0	89.3	43-125	0			
Surr: 4-Terphenyl-d14	171.6	6.6	166.7	0	103	32-125	0			
Surr: Nitrobenzene-d5	143.7	6.6	166.7	0	86.2	37-125	0			

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

Client: LT Environmental  
 Work Order: 1212390  
 Project: 0273212039 Scott 41C

## QC BATCH REPORT

Batch ID: **66489** Instrument ID **SV-4** Method: **SW8270**

**MS** Sample ID: **1212390-07CMS** Units: **µg/Kg** Analysis Date: **12/13/2012 11:28 PM**  
 Client ID: **CS 03** Run ID: **SV-4\_121213B** SeqNo: **3055727** Prep Date: **12/13/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	124.5	6.6	166.5	0	74.8	50-120	0			
Anthracene	137.5	6.6	166.5	0	82.6	50-123	0			
Benz(a)anthracene	127.9	6.6	166.5	0	76.8	50-131	0			
Benzo(a)pyrene	93.65	6.6	166.5	0	56.2	50-130	0			
Benzo(b)fluoranthene	87.44	6.6	166.5	0	52.5	50-137	0			
Benzo(k)fluoranthene	99.58	6.6	166.5	0	59.8	50-143	0			
Chrysene	133.3	6.6	166.5	4.711	77.2	50-130	0			
Dibenz(a,h)anthracene	95.87	6.6	166.5	0	57.6	50-130	0			
Fluoranthene	121.1	6.6	166.5	0	72.7	50-131	0			
Fluorene	134.6	6.6	166.5	5.563	77.5	50-125	0			
Indeno(1,2,3-cd)pyrene	90.6	6.6	166.5	0	54.4	45-139	0			
Naphthalene	154.2	6.6	166.5	21.84	79.5	50-125	0			
Pyrene	140.4	6.6	166.5	0	84.3	45-130	0			
Surr: 2-Fluorobiphenyl	120.9	6.6	166.5	0	72.6	43-125	0			
Surr: 4-Terphenyl-d14	147	6.6	166.5	0	88.3	32-125	0			
Surr: Nitrobenzene-d5	126.6	6.6	166.5	0	76	37-125	0			

**MSD** Sample ID: **1212390-07CMSD** Units: **µg/Kg** Analysis Date: **12/13/2012 11:48 PM**  
 Client ID: **CS 03** Run ID: **SV-4\_121213B** SeqNo: **3055728** Prep Date: **12/13/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	125.8	6.6	166.6	0	75.5	50-120	124.5	0.998	30	
Anthracene	144.7	6.6	166.6	0	86.9	50-123	137.5	5.05	30	
Benz(a)anthracene	94.86	6.6	166.6	0	57	50-131	127.9	29.6	30	
Benzo(a)pyrene	97.34	6.6	166.6	0	58.4	50-130	93.65	3.87	30	
Benzo(b)fluoranthene	132.8	6.6	166.6	0	79.7	50-137	87.44	41.2	30	R
Benzo(k)fluoranthene	111.6	6.6	166.6	0	67	50-143	99.58	11.4	30	
Chrysene	131.5	6.6	166.6	4.711	76.1	50-130	133.3	1.35	30	
Dibenz(a,h)anthracene	96.13	6.6	166.6	0	57.7	50-130	95.87	0.276	30	
Fluoranthene	108.7	6.6	166.6	0	65.3	50-131	121.1	10.8	30	
Fluorene	133	6.6	166.6	5.563	76.5	50-125	134.6	1.17	30	
Indeno(1,2,3-cd)pyrene	102.5	6.6	166.6	0	61.5	45-139	90.6	12.3	30	
Naphthalene	144.3	6.6	166.6	21.84	73.5	50-125	154.2	6.63	30	
Pyrene	120	6.6	166.6	0	72	45-130	140.4	15.7	30	
Surr: 2-Fluorobiphenyl	121.4	6.6	166.6	0	72.9	43-125	120.9	0.459	30	
Surr: 4-Terphenyl-d14	130.8	6.6	166.6	0	78.6	32-125	147	11.6	30	
Surr: Nitrobenzene-d5	95.6	6.6	166.6	0	57.4	37-125	126.6	27.9	30	

The following samples were analyzed in this batch:

1212390-05C	1212390-06C	1212390-07C
1212390-08C	1212390-09C	1212390-10C
1212390-11C		

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

Client: LT Environmental  
 Work Order: 1212390  
 Project: 0273212039 Scott 41C

# QC BATCH REPORT

Batch ID: **R139878** Instrument ID **VOA7** Method: **SW8260**

**MBLK** Sample ID: **VBLKS1-121214-R139878** Units: **µg/Kg** Analysis Date: **12/14/2012 11:14 AM**

Client ID: Run ID: **VOA7\_121214A** SeqNo: **3054014** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	5.0								
Ethylbenzene	ND	5.0								
Toluene	ND	5.0								
Xylenes, Total	ND	15								
Surr: 1,2-Dichloroethane-d4	53.87	0	50	0	108	70-128	0			
Surr: 4-Bromofluorobenzene	49.44	0	50	0	98.9	73-126	0			
Surr: Dibromofluoromethane	52.43	0	50	0	105	71-128	0			
Surr: Toluene-d8	48.67	0	50	0	97.3	73-127	0			

**LCS** Sample ID: **VLCSS1-121214-R139878** Units: **µg/Kg** Analysis Date: **12/14/2012 10:49 AM**

Client ID: Run ID: **VOA7\_121214A** SeqNo: **3054013** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	46.91	5.0	50	0	93.8	79-120	0			
Ethylbenzene	50.67	5.0	50	0	101	80-122	0			
Toluene	48.52	5.0	50	0	97	79-120	0			
Xylenes, Total	150.3	15	150	0	100	80-120	0			
Surr: 1,2-Dichloroethane-d4	51.63	0	50	0	103	70-128	0			
Surr: 4-Bromofluorobenzene	49.45	0	50	0	98.9	73-126	0			
Surr: Dibromofluoromethane	52.89	0	50	0	106	71-128	0			
Surr: Toluene-d8	49.89	0	50	0	99.8	73-127	0			

**MS** Sample ID: **1212210-07ZMS** Units: **µg/Kg** Analysis Date: **12/14/2012 04:16 PM**

Client ID: Run ID: **VOA7\_121214A** SeqNo: **3054023** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	39.56	5.0	50	0	79.1	79-120	0			
Ethylbenzene	40.35	5.0	50	0.5689	79.6	80-122	0			S
Toluene	39.79	5.0	50	0	79.6	79-120	0			
Xylenes, Total	119.1	15	150	0	79.4	80-120	0			S
Surr: 1,2-Dichloroethane-d4	55.5	0	50	0	111	70-128	0			
Surr: 4-Bromofluorobenzene	49.07	0	50	0	98.1	73-126	0			
Surr: Dibromofluoromethane	55.46	0	50	0	111	71-128	0			
Surr: Toluene-d8	48.4	0	50	0	96.8	73-127	0			

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** LT Environmental  
**Work Order:** 1212390  
**Project:** 0273212039 Scott 41C

## QC BATCH REPORT

Batch ID: **R139878** Instrument ID **VOA7** Method: **SW8260**

**MSD** Sample ID: **1212210-07ZMSD** Units: **µg/Kg** Analysis Date: **12/14/2012 04:42 PM**

Client ID: Run ID: **VOA7\_121214A** SeqNo: **3054024** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	41.45	5.0	50	0	82.9	79-120	39.56	4.66	30	
Ethylbenzene	42.64	5.0	50	0.5689	84.1	80-122	40.35	5.53	30	
Toluene	41.46	5.0	50	0	82.9	79-120	39.79	4.1	30	
Xylenes, Total	126.9	15	150	0	84.6	80-120	119.1	6.3	30	
Surr: 1,2-Dichloroethane-d4	53.44	0	50	0	107	70-128	55.5	3.78	30	
Surr: 4-Bromofluorobenzene	49.65	0	50	0	99.3	73-126	49.07	1.17	30	
Surr: Dibromofluoromethane	54.31	0	50	0	109	71-128	55.46	2.09	30	
Surr: Toluene-d8	48.57	0	50	0	97.1	73-127	48.4	0.349	30	

The following samples were analyzed in this batch:

1212390-05A	1212390-06A	1212390-07A
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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

Client: LT Environmental  
 Work Order: 1212390  
 Project: 0273212039 Scott 41C

# QC BATCH REPORT

Batch ID: **R139879** Instrument ID **VOA7** Method: **SW8260**

**MBLK** Sample ID: **VBLKS2-121214-R139879** Units: **µg/Kg** Analysis Date: **12/15/2012 01:31 AM**

Client ID: Run ID: **VOA7\_121214B** SeqNo: **3054043** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	5.0								
Ethylbenzene	ND	5.0								
Toluene	ND	5.0								
Xylenes, Total	ND	15								
Surr: 1,2-Dichloroethane-d4	48.83	0	50	0	97.7	70-128	0			
Surr: 4-Bromofluorobenzene	48.58	0	50	0	97.2	73-126	0			
Surr: Dibromofluoromethane	51.38	0	50	0	103	71-128	0			
Surr: Toluene-d8	48.74	0	50	0	97.5	73-127	0			

**LCS** Sample ID: **VLCSS2-121214-R139879** Units: **µg/Kg** Analysis Date: **12/15/2012 12:16 AM**

Client ID: Run ID: **VOA7\_121214B** SeqNo: **3054041** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	44.59	5.0	50	0	89.2	79-120	0			
Ethylbenzene	46.6	5.0	50	0	93.2	80-122	0			
Toluene	45.19	5.0	50	0	90.4	79-120	0			
Xylenes, Total	139.8	15	150	0	93.2	80-120	0			
Surr: 1,2-Dichloroethane-d4	52.68	0	50	0	105	70-128	0			
Surr: 4-Bromofluorobenzene	49.36	0	50	0	98.7	73-126	0			
Surr: Dibromofluoromethane	52.81	0	50	0	106	71-128	0			
Surr: Toluene-d8	48.31	0	50	0	96.6	73-127	0			

**LCSD** Sample ID: **VLCSDS2-121214-R139879** Units: **µg/Kg** Analysis Date: **12/15/2012 12:41 AM**

Client ID: Run ID: **VOA7\_121214B** SeqNo: **3054042** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	45.99	5.0	50	0	92	79-120	44.59	3.1	30	
Ethylbenzene	48.55	5.0	50	0	97.1	80-122	46.6	4.11	30	
Toluene	46.76	5.0	50	0	93.5	79-120	45.19	3.41	30	
Xylenes, Total	146.2	15	150	0	97.5	80-120	139.8	4.48	30	
Surr: 1,2-Dichloroethane-d4	52.99	0	50	0	106	70-128	52.68	0.577	30	
Surr: 4-Bromofluorobenzene	49.87	0	50	0	99.7	73-126	49.36	1.04	30	
Surr: Dibromofluoromethane	53.38	0	50	0	107	71-128	52.81	1.07	30	
Surr: Toluene-d8	48.45	0	50	0	96.9	73-127	48.31	0.289	30	

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

Client: LT Environmental  
 Work Order: 1212390  
 Project: 0273212039 Scott 41C

## QC BATCH REPORT

Batch ID: **R139879** Instrument ID **VOA7** Method: **SW8260**

**MS** Sample ID: **1212390-10AMS** Units: **µg/Kg** Analysis Date: **12/15/2012 06:08 AM**  
 Client ID: **PS - 02 @ 20'** Run ID: **VOA7\_121214B** SeqNo: **3054054** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	42.87	5.0	50	0	85.7	79-120	0			
Ethylbenzene	44.45	5.0	50	0	88.9	80-122	0			
Toluene	42.73	5.0	50	0	85.5	79-120	0			
Xylenes, Total	132.9	15	150	0	88.6	80-120	0			
Surr: 1,2-Dichloroethane-d4	51.55	0	50	0	103	70-128	0			
Surr: 4-Bromofluorobenzene	49.49	0	50	0	99	73-126	0			
Surr: Dibromofluoromethane	51.99	0	50	0	104	71-128	0			
Surr: Toluene-d8	48.44	0	50	0	96.9	73-127	0			

**MSD** Sample ID: **1212390-10AMSD** Units: **µg/Kg** Analysis Date: **12/15/2012 06:34 AM**  
 Client ID: **PS - 02 @ 20'** Run ID: **VOA7\_121214B** SeqNo: **3054055** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	42.17	5.0	50	0	84.3	79-120	42.87	1.66	30	
Ethylbenzene	43.56	5.0	50	0	87.1	80-122	44.45	2.01	30	
Toluene	42.47	5.0	50	0	84.9	79-120	42.73	0.597	30	
Xylenes, Total	130.9	15	150	0	87.3	80-120	132.9	1.49	30	
Surr: 1,2-Dichloroethane-d4	51.47	0	50	0	103	70-128	51.55	0.15	30	
Surr: 4-Bromofluorobenzene	49.13	0	50	0	98.3	73-126	49.49	0.733	30	
Surr: Dibromofluoromethane	52.31	0	50	0	105	71-128	51.99	0.62	30	
Surr: Toluene-d8	48.44	0	50	0	96.9	73-127	48.44	0.00959	30	

The following samples were analyzed in this batch:

1212390-08A	1212390-09A	1212390-10A
1212390-11A		

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.



**Client:** LT Environmental  
**Work Order:** 1212390  
**Project:** 0273212039 Scott 41C

## QC BATCH REPORT

Batch ID: **66533**      Instrument ID **UV-2450**      Method: **SW7196**      **(Dissolve)**

**MBLK**      Sample ID: **WBLKS1-121912-66533**      Units: **mg/kg**      Analysis Date: **12/19/2012 09:05 AM**

Client ID:      Run ID: **UV-2450\_121219A**      SeqNo: **3058929**      Prep Date: **12/19/2012**      DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	ND	2.0								

**LCS**      Sample ID: **WLCSS1-121912-66533**      Units: **mg/kg**      Analysis Date: **12/19/2012 09:05 AM**

Client ID:      Run ID: **UV-2450\_121219A**      SeqNo: **3058930**      Prep Date: **12/19/2012**      DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	9.4	2.0	10	0	94	80-120	0			

**LCSD**      Sample ID: **WLCSDS1-121912-66533**      Units: **mg/kg**      Analysis Date: **12/19/2012 09:05 AM**

Client ID:      Run ID: **UV-2450\_121219A**      SeqNo: **3058950**      Prep Date: **12/19/2012**      DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	9.56	2.0	10	0	95.6	80-120	9.4	1.69	20	

**MS**      Sample ID: **1212393-01CMS**      Units: **mg/kg**      Analysis Date: **12/19/2012 09:05 AM**

Client ID:      Run ID: **UV-2450\_121219A**      SeqNo: **3058947**      Prep Date: **12/19/2012**      DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	10.33	2.0	9.822	0	105	75-125	0			

The following samples were analyzed in this batch:

1212390-05C	1212390-06C	1212390-07C
1212390-08C	1212390-09C	1212390-10C
1212390-11C		

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** LT Environmental  
**Work Order:** 1212390  
**Project:** 0273212039 Scott 41C

## QC BATCH REPORT

Batch ID: **R139888** Instrument ID **WetChem** Method: **SW9045B** (**Dissolve**)

**LCS** Sample ID: **WLCSS1-121215-R139888** Units: **pH Units** Analysis Date: **12/15/2012 12:30 PM**

Client ID: Run ID: **WETCHEM\_121215C** SeqNo: **3054217** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	5.98	0.10	6	0	99.7	90-110	0			

**DUP** Sample ID: **1212494-01ADUP** Units: **pH Units** Analysis Date: **12/15/2012 12:30 PM**

Client ID: Run ID: **WETCHEM\_121215C** SeqNo: **3054240** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	8.72	0.10	0	0	0	0-0	8.77	0.572	20	

The following samples were analyzed in this batch:

1212390-05C	1212390-06C	1212390-07C
1212390-08C	1212390-09C	1212390-10C
1212390-11C		

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** LT Environmental  
**Work Order:** 1212390  
**Project:** 0273212039 Scott 41C

## QC BATCH REPORT

Batch ID: **R140036** Instrument ID **Balance1** Method: **LaDNR-29B SP (Dissolve)**

**DUP** Sample ID: **1212390-05DDUP** Units: % Saturation as D Analysis Date: **12/18/2012 12:50 PM**

Client ID: **CS 01** Run ID: **BALANCE1\_121218A** SeqNo: **3057418** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Saturation Point	0.338	0.10	0	0	0		0.346	2.34	30	

The following samples were analyzed in this batch:

1212390-05D	1212390-06D	1212390-07D
1212390-08D	1212390-09D	1212390-10D
1212390-11D		

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** LT Environmental  
**Work Order:** 1212390  
**Project:** 0273212039 Scott 41C

## QC BATCH REPORT

Batch ID: **R140040** Instrument ID **BALANCE1** Method: **LaDNR-29B EC (Dissolve)**

**MBLK** Sample ID: **WBLKW1-121812-R140040** Units: **mmhos/cm @25°** Analysis Date: **12/18/2012 01:00 PM**

Client ID: Run ID: **BALANCE1\_121218B** SeqNo: **3057451** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ saturation	ND	0.010								
Electrical Conductivity, 1:1 aqueous	ND	0.010								
Saturation % as decimal	ND	0								

**LCS** Sample ID: **WLCSW1-121812-R140040** Units: **mmhos/cm @25°** Analysis Date: **12/18/2012 01:00 PM**

Client ID: Run ID: **BALANCE1\_121218B** SeqNo: **3057452** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity, 1:1 aqueous	1.4	0.010	1.412	0	99.2	90-110	0			

**DUP** Sample ID: **1212390-05DDUP** Units: **mmhos/cm @25°** Analysis Date: **12/18/2012 01:00 PM**

Client ID: **CS 01** Run ID: **BALANCE1\_121218B** SeqNo: **3057463** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ saturation	2.779	0.010	0	0	0		2.797	0.646	20	
Electrical Conductivity, 1:1 aqueous	0.939	0.010	0	0	0		0.967	2.94	20	
Saturation % as decimal	0.338	0	0	0	0		0.346	2.34		

The following samples were analyzed in this batch:

1212390-05D	1212390-06D	1212390-07D
1212390-08D	1212390-09D	1212390-10D
1212390-11D		

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** LT Environmental  
**Project:** 0273212039 Scott 41C  
**WorkOrder:** 1212390

## **QUALIFIERS, ACRONYMS, UNITS**

<b><u>Qualifier</u></b>	<b><u>Description</u></b>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

<b><u>Acronym</u></b>	<b><u>Description</u></b>
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

<b><u>Units Reported</u></b>	<b><u>Description</u></b>
% Saturation as Decimal	
µg/Kg	Micrograms per Kilogram
meq/meq	
mg/Kg	Milligrams per Kilogram
mg/L	Milligrams per Liter
mmhos/cm @25°C	
pH Units	

## Sample Receipt Checklist

Client Name: **LT ENVIRONMENTAL**

Date/Time Received: **12-Dec-12 09:20**

Work Order: **1212390**

Received by: **JBA**

Checklist completed by Johanna B. Allen  
eSignature

12-Dec-12  
Date

Reviewed by: Patricia L. Lynch  
eSignature

13-Dec-12  
Date

Matrices: soil

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temperature(s)/Thermometer(s):	<u>4.0 C/uc</u> <u>005</u>		
Cooler(s)/Kit(s):	<u>Large Blue/White</u>		
Date/Time sample(s) sent to storage:	<u>12/12/12 13:41</u>		
Water - VOA vials have zero headspace?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
pH adjusted?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
pH adjusted by:	<u>-</u>		
Login Notes:			

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction:



## CHAIN OF CUSTODY

Failure to complete all section of this form may delay analysis.



ALS Laboratory Group

CLIENT CONTACT AND REPORTING INFORMATION				INVOICE ADDRESS (if client does not have an address)				ANALYSIS REQUESTED (check all that apply)												
Company Name: LT Environmental, Inc. Project Manager: Brian Dodek/Rob Flisbrun Address: 820 Megan Ave Unit B Rifle, CO 81650 Phone: 970.285.9985 Email 1: bdodek@ltenv.com Email 2: rfishburn@ltenv.com, biancek@ltenv.com SERVICE REQUEST (Express services subject to availability) <input checked="" type="checkbox"/> Regular (default) <input type="checkbox"/> Express (pls specify date required) (express fee will apply)				Company Name: Contact Name: Address: Project ID: 027312039 Site: Scott 41C PO No: ALS Quote No:				TPH, DRO, GRO EC PH SAR TOTAL ARSENIC TABLE 910 METALS TABLE 910 PAH'S BTEX ARSENIC												
SAMPLE IDENTIFICATION (this description will appear on report)		MATRIX (a)		SAMPLING AND CONTAINER INFO		REMARKS		CROSS-THE-REQUESTED ANALYSIS												
				Date	Time															
BG01		S		12/11/2012	930	1														
BG02		S		12/11/2012	935	1														
BG03		S		12/11/2012	945	1														
BG04		S		12/11/2012	950	1														
CS01		S		12/11/2012	1110	4														
CS02		S		12/11/2012	1120	4														
CS03		S		12/11/2012	1120	4														
CS04		S		12/11/2012	1140	4														
PS-01@20'		S		12/11/2012	1025	4														
PS-02@20'		S		12/11/2012	1035	4														
PS-01		S		12/11/2012	1205	4														
								Request EED in LT electronic format												

CLIENT SIGNATURES				For lab use only			
Client's Signature: <i>[Signature]</i>		Cooler Security Seal <input checked="" type="checkbox"/> sealed <input type="checkbox"/> broken <input type="checkbox"/> not available		Sample Temp <input checked="" type="checkbox"/> chilled 4°C <input type="checkbox"/> ambient		No of Cooler Received canton / cooler box	
Client's Date and Time of Completion: 12/11/12 1615						Received by (lab) <i>[Signature]</i>	
						Committed by <i>[Signature]</i>	
						Date and Time 12/11/12	

Note: (a) DW (Drinking water), SW (Surface water), GW (Ground water), WW (Waste water), S (Soil), SL (Sludge), SE (Sediment) OS (Other solid material)

**ALS Technichern (HK) Pty Ltd**  
Address: 11/F, Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong  
Tel: +852 2610 1044 Fax: +852 2610 2021 Email: [HongKong@alsglobal.com](mailto:HongKong@alsglobal.com)

From: (970) 424-4749  
Lab Hub, LLC

Origin ID: RILA

**FedEx**  
Express



J12201209200325

127 E First Street

PARACHUTE, CO 81635

Ship Date: 11DEC12  
ActWgt: 72.0 LB  
CAD: 103923490/INET3300

Dims: 25 X 14 X 15 IN

Delivery Address Bar Code



SHIP TO: (281) 530-5656

BILL RECIPIENT

Sample Receiving  
ALS Environmental - Texas  
10450 STANCLIFF RD  
STE 210  
HOUSTON, TX 77099

Ref # 1001-121112-3  
Invoice #  
PO #  
Dept #

WED - 12 DEC A1  
PRIORITY OVERNIGHT

TRK# 7942 7817 1777

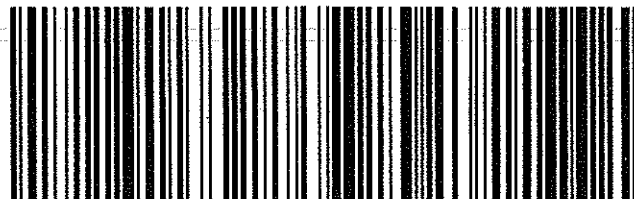
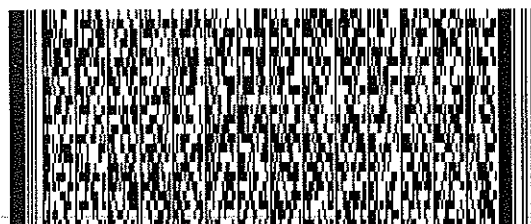
0201

**XH SGRA**

77099

TX-US

IAH



515G1/B2B3/AA44

WH257  
Time: 1:15 PM

Custody seal

1-15 PM  
[Handwritten signatures and marks]