



G+Jul-2012

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

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

Re: Werner Pad - 027311040

Work Order: **1207153**

Dear Brian,

ALS Environmental received 4 samples on 05-Jul-2012 09:00 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 12.

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

Client: LT Environmental
Project: Werner Pad - 027311040
Work Order: 1207153

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>
1207153-01	BG01	Soil		6/29/2012 13:45	7/5/2012 09:00	<input type="checkbox"/>
1207153-02	BG02	Soil		6/29/2012 14:00	7/5/2012 09:00	<input type="checkbox"/>
1207153-03	BG03	Soil		6/29/2012 14:10	7/5/2012 09:00	<input type="checkbox"/>
1207153-04	BG04	Soil		6/29/2012 14:20	7/5/2012 09:00	<input type="checkbox"/>

ALS Environmental

Date: 23-Jul-12

Client: LT Environmental
Project: Werner Pad - 027311040
Work Order: 1207153

Case Narrative

No exceptions

ALS Environmental

Date: 23-Jul-12

Client: LT Environmental
Project: Werner Pad - 027311040
Sample ID: BG01
Collection Date: 6/29/2012 01:45 PM

Work Order: 1207153
Lab ID: 1207153-01
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS			SW6020		Prep Date: 7/11/2012	Analyst: ALR
Arsenic	3.61		0.438	mg/Kg	1	7/12/2012 04:40 AM

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

ALS Environmental

Date: 23-Jul-12

Client: LT Environmental
Project: Werner Pad - 027311040
Sample ID: BG02
Collection Date: 6/29/2012 02:00 PM

Work Order: 1207153
Lab ID: 1207153-02
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS			SW6020		Prep Date: 7/11/2012	Analyst: ALR
Arsenic	9.81		0.443	mg/Kg	1	7/12/2012 04:44 AM

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

ALS Environmental

Date: 23-Jul-12

Client: LT Environmental
Project: Werner Pad - 027311040
Sample ID: BG03
Collection Date: 6/29/2012 02:10 PM

Work Order: 1207153
Lab ID: 1207153-03
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS			SW6020		Prep Date: 7/11/2012	Analyst: ALR
Arsenic	5.61		0.471	mg/Kg	1	7/12/2012 04:57 AM

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

ALS Environmental

Date: 23-Jul-12

Client: LT Environmental
Project: Werner Pad - 027311040
Sample ID: BG04
Collection Date: 6/29/2012 02:20 PM

Work Order: 1207153
Lab ID: 1207153-04
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS			SW6020		Prep Date: 7/11/2012	Analyst: ALR
Arsenic	3.97		0.449	mg/Kg	1	7/12/2012 05:02 AM

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

ALS Environmental

Date: 23-Jul-12

Client: LT Environmental
Work Order: 1207153
Project: Werner Pad - 027311040

QC BATCH REPORT

Batch ID: **62538** Instrument ID **ICPMS03** Method: **SW6020**

MBLK	Sample ID: MBLKS1-071112-62538				Units: mg/Kg		Analysis Date: 7/11/2012 06:02 PM			
Client ID:	Run ID: ICPMS03_120711A				SeqNo: 2855038		Prep Date: 7/11/2012		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.50								

LCS	Sample ID: MLCSS1-071112-62538				Units: mg/Kg		Analysis Date: 7/11/2012 06:06 PM			
Client ID:	Run ID: ICPMS03_120711A				SeqNo: 2855039		Prep Date: 7/11/2012		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	9.2	0.50	10	0	92	80-120	0			

MS	Sample ID: 1207212-05BMS				Units: mg/Kg		Analysis Date: 7/12/2012 07:56 AM			
Client ID:	Run ID: ICPMS03_120711A				SeqNo: 2855835		Prep Date: 7/11/2012		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	13.75	0.45	9.078	5.551	90.3	75-125	0			

MSD	Sample ID: 1207212-05BMSD				Units: mg/Kg		Analysis Date: 7/12/2012 08:00 AM			
Client ID:	Run ID: ICPMS03_120711A				SeqNo: 2855837		Prep Date: 7/11/2012		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	14.02	0.45	8.949	5.551	94.7	75-125	13.75	1.95	25	

DUP	Sample ID: 1207212-05BDUP				Units: mg/Kg		Analysis Date: 7/12/2012 07:47 AM			
Client ID:	Run ID: ICPMS03_120711A				SeqNo: 2855831		Prep Date: 7/11/2012		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	5.481	0.46	0	0	0	0-0	5.551	1.28	25	

The following samples were analyzed in this batch:

1207153-01A	1207153-02A	1207153-03A
1207153-04A		

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

Client: LT Environmental
Project: Werner Pad - 027311040
WorkOrder: 1207153

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>
mg/Kg	Milligrams per Kilogram

Sample Receipt Checklist

Client Name: **LT ENVIRONMENTAL**

Date/Time Received: **05-Jul-12 09:00**

Work Order: **1207153**

Received by: **RNG**

Checklist completed by Robert D. Harris
eSignature

05-Jul-12
Date

Reviewed by: Patricia L. Lynch
eSignature

10-Jul-12
Date

Matrices: soils

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 type="checkbox"/>	No <input checked="" type="checkbox"/>	
Temperature(s)/Thermometer(s):	<u>12.9c c/u</u> <u>003</u>		
Cooler(s)/Kit(s):	<u></u>		
Date/Time sample(s) sent to storage:	<u>7/5/12 18:50</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:	<u>Received out of temp.</u>		

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.

1207153

LT ENVIRONMENTAL: LT Environmental

Project: Werner Pad - 027311040

[illegible]

Note: a) PW (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

12/15/12

Express **NEW Package**
US Airbill

FedEx
Tracking
Number

8001 2142 2796

01200

Recipient's Copy

01200
7/12/12

Sender's Name: Sarah C. Gibson Phone: 214-330-5656

Company: Lab Hub LLC

Address: 1400 S. Main St. Suite 210 Dept./Floor/Suite/Room

City: Dallas State: TX ZIP: 75201

Our Internal Billing Reference: 121212

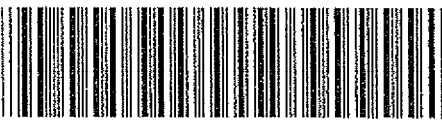
Recipient's Name: MS. Gibson Phone: 214-330-5656

Company: AIS - Houston

Address: 1400 S. Main St. Suite 210 Dept./Floor/Suite/Room

City: Dallas State: TX ZIP: 75201

City: Dallas State: TX ZIP: 75201



8001 2142 2796

4 Express Package Service *To most locations.
NOTE: Service order has changed. Please select carefully.

Next Business Day	2 or 3 Business Days
<input type="checkbox"/> FedEx First Overnight Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.	<input type="checkbox"/> NEW FedEx 2Day A.M. Second business morning.* Saturday Delivery NOT available.
<input type="checkbox"/> FedEx Priority Overnight Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.	<input type="checkbox"/> FedEx 2Day Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
<input type="checkbox"/> FedEx Standard Overnight Next business afternoon.* Saturday Delivery NOT available.	<input type="checkbox"/> FedEx Express Saver Third business day.* Saturday Delivery NOT available.

5 Packaging *Declared value limit \$500.

<input type="checkbox"/> FedEx Envelope*	<input type="checkbox"/> FedEx Pak*	<input type="checkbox"/> FedEx Box	<input type="checkbox"/> FedEx Tube	<input checked="" type="checkbox"/> Other
--	-------------------------------------	------------------------------------	-------------------------------------	---

6 Special Handling and Delivery Signature Options

☐ **SATURDAY Delivery**
NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

☐ **No Signature Required**
Package may be left without obtaining a signature for delivery.

☐ **Direct Signature**
Someone at recipient's address may sign for delivery. *Fee applies.*

☐ **Indirect Signature**
If someone is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods?

One box must be checked.

<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes As per attached Shipper's Declaration.	<input type="checkbox"/> Yes Shipper's Declaration not required.	<input type="checkbox"/> Dry Ice Dry Ice, 9, UN 1845	kg
---	---	--	--	----

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

☐ **Cargo Aircraft Only**

7 Payment: Bill to:

Enter FedEx Acct. No. or Credit Card No. below.

<input type="checkbox"/> Sender Acct. No. in Section 1 will be billed.	<input checked="" type="checkbox"/> Recipient	<input type="checkbox"/> Third Party	<input type="checkbox"/> Credit Card	<input type="checkbox"/> Cash/Check
--	--	---	---	--

Total Packages: Total Weight: Total Declared Value: Credit Card Auth:

*Our liability is limited to \$100 unless you declare a higher value. See the current FedEx Services Guide for details.

Rev. Date 11/10 • Part #163135 • ©1994-2010 FedEx • PRINTED IN U.S.A. 5RY

Lab Hub LLC CUS!
Date: 07-02
Signature: [Signature]

TODY SEAL
- 2012
[Signature]

1800.160-FedEx 1800.463.3339