September 8, 2011

Mr. Sid Brandwein
NMED Hazardous Waste Bureau
5500 San Antonio Dr. NE
Albuquerque, NM 87109

Re:	ALS Workorder:	11-08-152
	Project Name:	KAFB - BFF 3Q11
	Project Number:	None Submitted

Dear Mr. Brandwein:

Ten water samples were received by NMED Hazardous Waste Bureau on August 11, 2011. The samples were scheduled for the following analyses:

Metals	pages 1-14
Inorganics	pages 1-28
GC/MS Volatiles	pages 1-16
GC/MS Semivolatiles	pages 1-12
Total Volatile Petroleum Hydrocarbons (Gasoline)	pages 1-11
Total Extractable Petroleum Hydrocarbons (Diesel)	pages 1-11

Analysis Subcontracted to ALS Environmental – Holland, MI:
EDB
Please refer to the EDB report submitted for 11-08-111.

The results for these analyses are contained in the enclosed report.

Thank you for your confidence in ALS Environmental. Should you have any questions, please call.

Sincerely,

ALS Environmental
for Lance Steere
Senior Project Manager

LRS/aw
Enclosure (s): Report and CD

ALS is accredited by the following accreditation bodies for various testing scopes in accordance with requirements of each accreditation body. All testing is performed under the laboratory management system, which is maintained to meet these requirement and regulations. Please contact the laboratory or accreditation body for the current scope testing parameters.

Accreditation Body	License or Certification Number
Washington	C1280
Utah	CO00078
Arizona	AZ0742
Alaska	UST-086
Alaska	CO00078
Florida	E87914
Missouri	175
North Dakota	R-057
New Jersey	CO003
Nevada	CO000782008A
California	06251CA
Kansas	E-10381
Maryland	285
Pennsylvania	68-03116
Texas	T104704241-09-1
Colorado	CO00078
Connecticut	PH-0232
Idaho	CO00078
Tennessee	2976
Kentucky	90137
L-A-B (DoD ELAP/ISO 17025)	L2257

ALS Environmental -- FC

Sample Number(s) Cross-Reference Table

OrderNum: 1108152
Client Name: NMED Hazardous Waste Bureau
Client Project Name: KAFB - BFF 3Q11
Client Project Number:
Client PO Number: 10-667-00-13453

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
106061-A	1108152-1		WATER	10-Aug-11	12:32
106061-B	1108152-2		WATER	10-Aug-11	12:38
106061-C	1108152-3		WATER	10-Aug-11	12:43
106061-D	1108152-4		WATER	10-Aug-11	12:54
106061-E	1108152-5		WATER	10-Aug-11	12:57
106061-F	1108152-6		WATER	10-Aug-11	12:59
106061-G	1108152-7		WATER	10-Aug-11	13:01
106061-H	1108152-8		WATER	10-Aug-11	13:03
106061-I	1108152-9		WATER	10-Aug-11	13:04
106061-J	1108152-10		WATER	10-Aug-11	13:05

ALS Laboratory Group

225 Commerce Drive, Fort Collins, Colorado 80524
TF: (800) 443-1511 PH: (970) 490-1511 FX: (970) 490-1522

Chain-of-Custody

Form 202r8

WORKORDER # 1108152

PAGE 1 of 1

PROJECT NAME	KAFB-BFF-3Q11	SAMPLER	SSB
SITE ID	KAFB-106061	DATE	8/10/11
TURNAROUND	NORMAL	DISPOSAL	(By Lab) or Return to Client
PROJECT No.		EDD FORMAT	
		PURCHASE ORDER	
COMPANY NAME	NM ED	BILL TO COMPANY	NM ED/HWB
SEND REPORT TO	SID BRANDWEIN	INVOICE ATTN TO	DAVE COBRAIN
ADDRESS	5500 SAN ANTONIO OR NE	ADDRESS	2905 RODEO PARK DR
CITY / STATE / ZIP	ALBQ, NM 87109	CITY / STATE / ZIP	SANTA FE, NM 87505
PHONE	505-222-9504	PHONE	505-476-6055
FAX		FAX	
E-MAIL	sid.brandwein@state.nm.us	E-MAIL	

Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	VOCs 8260	EDB 8011	GRO 8015	DRO 8015	PAH-SVOCs 8270 SIM	TOT. MET 6010 TAL	ALK + ANIONS 310.1 300	NITRATE+NITRITE 350.3 353.3	SULFIDE 376.1	DISS. MET 6010 Fe, Mn only
1	106061-A	W	8/10/11	12:32	3	HCl		X									
2	106061-B	W		12:38	3	HCl				X							
3	106061-C	W		12:43	3	HCl			X								
4	106061-D	W		12:54	1	—						X					
5	106061-E	W		12:57	1	H_2SO_4					X						
6	106061-F	W		12:59	1	—								X			
7	106061-G	W		13:01	1	H_2SO_4									X		
8	106061-H	W		13:03	1	ZnOAc										X	
9	106061-I	W		13:04	1	NO_3							X				
10	106061-J	W	8/10/11	13:05	1	NO_3											X

*Time Zone (Circle): EST CST (MST) PST Matrix: O = oil S = soil NS = non-soil solid W = water L = liquid E = extract F = filter

For metals or anions, please detail analytes below.

Comments: TOT. MET. - TAL 6010
DISS. MET. - Fe, Mn only 6010

QC PACKAGE (check below)	
	LEVEL II (Standard QC)
	LEVEL III (Std QC + forms)
	LEVEL IV (Std QC + forms + raw data)

Preservative Key: 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035

	SIGNATURE	PRINTED NAME	DATE	TIME
RELINQUISHED BY	[signature]	S. BRANDWEIN	8/10/11	13:25
RECEIVED BY	[signature]	Lauren Schmitz	8/11/11	1010
RELINQUISHED BY				
RECEIVED BY				
RELINQUISHED BY				
RECEIVED BY				

ALS Laboratory Group - Fort Collins

CONDITION OF SAMPLE UPON RECEIPT FORM

Client: NMED Workorder No: 1108152

Project Manager: LRS Initials: LAS Date: 8/11/11

1. Does this project require any **special handling** in addition to standard Paragon procedures?			YES	(NO)
2. Are custody **seals** on **shipping containers** intact?	NONE		(YES)	NO
3. Are Custody seals on **sample containers** intact?	(NONE)		YES	NO
4. Is there a **COC (Chain-of-Custody) present** or other representative documents?			(YES)	NO
5. Are the **COC and bottle labels complete and legible**?			(YES)	NO
6. Is the **COC in agreement** with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.)			(YES)	NO
7. Were **airbills / shipping documents** present and/or removable?	DROP OFF		(YES)	NO
8. Are all **aqueous samples requiring preservation preserved correctly? (excluding volatiles)**	N/A		(YES)	NO
9. Are all aqueous **non-preserved samples pH 4-9**?	N/A		(YES)	NO
10. Is there **sufficient sample** for the requested analyses?			(YES)	NO
11. Were all samples placed in the **proper containers** for the requested analyses?			(YES)	NO
12. Are all samples within **holding times** for the requested analyses?			(YES)	NO
13. Were all sample containers received **intact**? (not broken or leaking, etc.)			(YES)	NO
14. Are all samples requiring **no** headspace (**VOC, GRO, RSK/MEE, Rx CN/S, radon**) headspace free? **Size of bubble:** ✓ < green pea ___ > green pea	N/A		YES	(NO) *
15. Do perchlorate LCMS-MS samples **have** headspace? (at least 1/3 of container required)	(N/A)		YES	NO
16. Were samples checked for and free from the presence of **residual chlorine?** (Applicable when PM has indicated samples are from a chlorinated water source; note if field preservation with sodium thiosulfate was not observed.)	(N/A)		YES	NO
17. Were the samples **shipped on ice**?			(YES)	NO
18. Were cooler temperatures measured at 0.1-6.0°C? **IR gun used*:** (#2) #4	RAD ONLY		(YES)	NO

Cooler #: 1

Temperature (°C): 1.4

No. of custody seals on cooler: 2

DOT Survey/ Acceptance Information

External µR/hr reading: 14

Background µR/hr reading: 12

Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? (YES) / NO / NA (If no, see Form 008.)

Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE, EXCEPT #1 AND #16.

LAS 8/11/11 * 1108152-2-1 (106061-B) for GRO has headspace < pea size

Can still run OK.

If applicable, was the client contacted? (YES) / NO / NA Contact: Sid Brandum Date/Time: 8/12

Project Manager Signature / Date: 8/12/11

*IR Gun #2: Oakton, SN 29922500201-0066 *IR Gun #4: Oakton, SN 2372220101-0002

Form 201r22.xls (6/1/09)

22 13 16

FedEx Express **NEW Package US Airbill**

FedEx Tracking Number 8762 4637 7404

0200 Form ID No.

1108152

FedEx Retrieval Copy

1 From

Date 5/10/11 Sender's FedEx Account Number

Sender's Name SID BRANDWEIN Phone 505 222-9504

Company NMED / HWB

Address 5500 SAN ANTONIO DR NE Dept./Floor/Suite/Room

City ALBQ State NM ZIP 87109

2 Your Internal Billing Reference

3 To

Recipient's Name LANCE STEERE Phone 970 491 1511

Company ALS LABS

Address 225 COMMERCE DR. Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City FT. COLLINS State CO ZIP 80524-2762

01 ☐ HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

31 ☐ HOLD Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

8762 4637 7404

4 Express Package Service *To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs. For packages over 150 lbs., use the new FedEx Express Freight US Airbill.

Next Business Day

06 ☐ FedEx First Overnight Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

01 ☒ FedEx Priority Overnight Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

05 ☐ FedEx Standard Overnight Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

49 ☐ NEW FedEx 2Day A.M. Second business morning.* Saturday Delivery NOT available.

03 ☐ FedEx 2Day Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

20 ☐ FedEx Express Saver Third business day.* Saturday Delivery NOT available.

14

5 Packaging *Declared value limit $500.

06 ☐ FedEx Envelope* 02 ☐ FedEx Pak* 03 ☐ FedEx Box 04 ☐ FedEx Tube 01 ☒ Other

6 Special Handling and Delivery Signature Options

03 ☐ **SATURDAY DELIVERY**

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

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

34 ☐ Indirect Signature If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

2

Does this shipment contain dangerous goods?

One box must be checked.

☒ No 04 ☐ Yes As per attached Shipper's Declaration. ☐ Yes Shipper's Declaration not required. 06 ☐ Dry Ice Dry ice, 9, UN 1845 ____ x ____ 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. Obtain recip. Acct. No. ☐

1 ☐ Sender Acct. No. in Section 1 will be billed 2 ☒ Recipient 3 ☐ Third Party 4 ☐ Credit Card 5 ☐ Cash/Check

[redacted]

Total Packages 1 Total Weight 4x1 lbs. [redacted] Credit Card Auth.

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

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