



February 23, 2012

Mr. Brian Salem  
NMED Hazardous Waste Bureau  
5500 San Antonio Dr. NE  
Albuquerque, NM 87109

Re: ALS Workorder: 12-01-329  
Project Name: KAFB - BFF 1Q12  
Project Number: None Submitted

Dear Mr. Salem:

Ten water samples were received by NMED Hazardous Waste Bureau on January 25, 2012. 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 SIMPAH	pages 1-12
Total Volatile Petroleum Hydrocarbons (Gasoline)	pages 1-11
Total Extractable Petroleum Hydrocarbons (Diesel)	pages 1-12

Analysis Subcontracted to ALS Environmental – Houston, TX:  
EDB

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

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

Sincerely,

  
ALS Environmental  
Lance Steere  
Senior Project Manager

LRS/arw  
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

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**OrderNum:** 1201329

**Client Name:** NMED Hazardous Waste Bureau

**Client Project Name:** KAFB - BFF 1Q12

**Client Project Number:**

**Client PO Number:** 20-667-00-16004

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Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
106088-A	1201329-1		WATER	26-Jan-12	9:39
106088-B	1201329-2		WATER	26-Jan-12	9:41
106088-C	1201329-3		WATER	26-Jan-12	9:46
106088-D	1201329-4		WATER	26-Jan-12	9:47
106088-E	1201329-5		WATER	26-Jan-12	9:49
106088-F	1201329-6		WATER	26-Jan-12	9:51
106088-G	1201329-7		WATER	26-Jan-12	9:52
106088-H	1201329-8		WATER	26-Jan-12	9:53
106088-I	1201329-9		WATER	26-Jan-12	9:55
106088-J	1201329-10		WATER	26-Jan-12	9:59



# 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 20218

WORKORDER #

1201321

PROJECT NAME	PROJECT No.	COMPANY NAME	SEND REPORT TO	ADDRESS	CITY/STATE/ZIP	PHONE	FAX	E-MAIL	SAMPLER	SITE ID	EDD FORMAT	PURCHASE ORDER	BILL TO COMPANY	INVOICE ATTN TO	ADDRESS	CITY/STATE/ZIP	PHONE	FAX	E-MAIL	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	DATE	TURNAROUND	DATE	PAGE	DISPOSAL	By Lab or	of	Return to Client		
																																		Field ID	Matrix
KAFB BFF 18/12		NMED	Brian Salem	5500 San Antonio NE	APR, NM 87109	505-222-0576							NMED								W	1-26-11	9:39	3	HCl		8260								
																					W		9:41	3	HCl		8015								
																					W		9:46	3	HCl		8015								
																					W		9:47	1	-		8015								
																					W		9:49	1	H <sub>2</sub> SO <sub>4</sub>		8015								
																					W		9:51	1	-		8015								
																					W		9:52	1	H <sub>2</sub> SO <sub>4</sub>		8015								
																					W		9:53	1	2.1M H <sub>2</sub> O <sub>4</sub>		8015								
																					W		9:55	1	HNO <sub>3</sub>		8015								
																					W		9:59	1	HNO <sub>3</sub>		8260								

\*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:	QC PACKAGE (check below)		
	<input type="checkbox"/>	LEVEL II (Standard QC)	
	<input type="checkbox"/>	LEVEL III (Std QC + forms)	
	<input type="checkbox"/>	LEVEL IV (Std QC + forms + raw data)	

RELINQUISHED BY	SIGNATURE	PRINTED NAME	DATE	TIME
RECEIVED BY	Brian Salem	Brian Salem	1-26-12	13:30
RELINQUISHED BY	C. Trumble	C. Trumble	1-27-12	09:10
RECEIVED BY				
RELINQUISHED BY				
RECEIVED BY				

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



CONDITION OF SAMPLE UPON RECEIPT FORM

Client: NMED  
Project Manager: LS

Workorder No: 1201329  
Initials: CDT Date: 1-27-12

1. Does this project require any <b>special handling</b> in addition to standard Paragon procedures?		YES	<input checked="" type="radio"/> NO
2. Are custody seals on <b>shipping containers</b> intact?	NONE	<input checked="" type="radio"/> YES	NO
3. Are Custody seals on <b>sample containers</b> intact?	<input checked="" type="radio"/> NONE	YES	NO
4. Is there a <b>COC (Chain-of-Custody)</b> present or other representative documents?		<input checked="" type="radio"/> YES	NO
5. Are the <b>COC and bottle labels complete and legible</b> ?		<input checked="" type="radio"/> YES	NO
6. Is the <b>COC in agreement</b> with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.)		<del>YES</del> CDT 1-27-12	<input checked="" type="radio"/> NO
7. Were <b>airbills / shipping documents</b> present and/or removable?	DROP OFF	<input checked="" type="radio"/> YES	NO
8. Are all <b>aqueous samples requiring preservation preserved correctly? (excluding volatiles)</b>	N/A	<input checked="" type="radio"/> YES	NO
9. Are all aqueous <b>non-preserved samples pH 4-9</b> ?	N/A	<input checked="" type="radio"/> YES	NO
10. Is there <b>sufficient sample</b> for the requested analyses?		<input checked="" type="radio"/> YES	NO
11. Were all samples placed in the <b>proper containers</b> for the requested analyses?		<input checked="" type="radio"/> YES	NO
12. Are all samples within <b>holding times</b> for the requested analyses?		<input checked="" type="radio"/> YES	NO
13. Were all sample containers received <b>intact?</b> (not broken or leaking, etc.)		<input checked="" type="radio"/> YES	NO
14. Are all samples requiring <b>no headspace (VOC, GRO, RSK/MEE, Rx CN/S, radon)</b> headspace free? <b>Size of bubble:</b> ___ < green pea ___ > green pea	N/A	<input checked="" type="radio"/> YES	NO
15. Do perchlorate LCMS-MS samples <b>have headspace?</b> (at least 1/3 of container required)	<input checked="" type="radio"/> N/A	YES	NO
16. Were samples checked for and free from the presence of <b>residual chlorine?</b> (Applicable when PM has indicated samples are from a chlorinated water source; note if field preservation with sodium thiosulfate was not observed.)	<input checked="" type="radio"/> N/A	YES	NO
17. Were the samples <b>shipped on ice?</b>		<input checked="" type="radio"/> YES	NO
18. Were cooler temperatures measured at 0.1-6.0°C? <b>IR gun used*:</b> #2 <input checked="" type="radio"/> #4		RAD ONLY	<input checked="" type="radio"/> YES
Cooler #: <u>1</u>			
Temperature (°C): <u>3.0</u>			
No. of custody seals on cooler: <u>2</u>			
External µR/hr reading: <u>14</u>			
Background µR/hr reading: <u>13</u>			
Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? <input checked="" type="radio"/> YES <input type="radio"/> NO <input type="radio"/> NA (If no, see Form 008.)			

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

sample 8 listed analysis as sulfate, however preservative is Zn/NaOH  
Typo ... its really for sulfide.

If applicable, was the client contacted?  YES / NO / NA Contact: Brian Salem Date/Time: 1/27  
Project Manager Signature / Date: [Signature] 1/27/12

\*IR Gun #2: Oakton, SN 29922500201-0066  
Form 201r22.xls (6/1/09)

\*IR Gun #4: Oakton, SN 2372220101-0002

20 14 14

1201329

**1 From**  
 Date: 1/26/12  
 Sender's Name: Brian Salem  
 Company: NMEP / HWB  
 Address: 5500 San Antonio NE  
 City: Albuquerque NM ZIP: 87109

**2 Your Internal Billing Reference**

**3 To**  
 Recipient's Name: Lance Steere  
 Company: ALS Labs  
 Address: 225 Commerce Dr.  
 City: Ft. Collins CO ZIP: 80521-2762

**4 Express Package Service**  
 NOTE: Service order has changed. Please select carefully.  
 Next Business Day  
 06  FedEx First Overnight  
 01  FedEx Priority Overnight  
 05  FedEx Standard Overnight

**5 Packaging**  
 06  FedEx Envelope\*  
 02  FedEx Pak\*  
 03  FedEx Box  
 04  FedEx Tube  
 01  Other

**6 Special Handling and Delivery Signature Options**  
 03  SATURDAY DELIVERY  
 01  No Signature Required  
 10  Direct Signature  
 34  Indirect Signature  
 06  Dry Ice  
 07  Signature Required

**7 Payment Bill to:**  
 1  Sender  
 2  Recipient  
 3  Third Party  
 4  Credit Card  
 5  Cash/Check



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