Metals

Case Narrative

NMED Hazardous Waste Bureau

KAFB - BFF 3Q11

Work Order Number: 1108111

1. This report consists of 4 water samples for total recoverable or dissolved metals.

2. The samples were received cool and intact by ALS on 08/09/11.

3. The samples for dissolved metals had been filtered prior to receipt. All samples had a pH less than 2 upon receipt.

4. The samples were prepared and analyzed based on SW-846, 3rd Edition procedures.

   For analysis by Trace ICP, the samples were digested following method 3005A and SOP 806 Rev. 15.

   For analysis by Cold Vapor AA (CVAA), the samples were digested following method 7470A and SOP 812 Rev. 15.

5. Analysis by Trace ICP followed method 6010B and SOP 834 Rev. 8.

   Analysis by CVAA followed method 7470A and SOP 812 Rev. 15.

6. All standards and solutions are NIST traceable and were used within their recommended shelf life.

7. The samples were prepared and analyzed within the established hold times.

All in house quality control procedures were followed, as described below.

8. General quality control procedures.

- A preparation (method) blank and laboratory control sample were digested and analyzed with the samples in each digestion batch.
- The preparation (method) blank associated with each digestion batch was below the reporting limit for the requested analytes.
- All laboratory control sample criteria were met.
- All initial and continuing calibration blanks were below the practical quantitation limits for the requested analytes.
- All initial and continuing calibration verifications were within the acceptance criteria for the requested analytes.
- The interference check samples and high standard readbacks associated with Method 6010B were within acceptance criteria.

9. Matrix specific quality control procedures.

   Per method requirements, matrix QC was performed for each analysis. Since a sample from this order number was not the selected quality control (QC) sample, matrix specific QC results are not included in this report.

10. Sample dilutions were not required for the requested analyses.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, ALS certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Emily Knodel
Inorganics Primary Data Reviewer

08-30-11
Date

Inorganics Final Data Reviewer

8-30-11
Date

Inorganic Data Reporting Qualifiers

The following qualifiers are used by the laboratory when reporting results of inorganic analyses.

- Result qualifier -- A “B” is entered if the reported value was obtained from a reading that was less than the Practical Quantitation Limit but greater than or equal to the Method Detection Limit (MDL). If the analyte was analyzed for but not detected a “U” is entered. For samples, negative values are reported as non-detects (“U” flagged). For blanks, if the absolute value of the negative value is above the MDL and below the practical quantitation limit, then the result is “B” flagged.

- QC qualifier -- Specified entries and their meanings are as follows:

  E - The reported value is estimated because of the presence of interference. An explanatory note may be included in the narrative.

  M - Duplicate injection precision was not met.

  N - Spiked sample recovery not within control limits. A post spike is analyzed for all ICP analyses when the matrix spike and or spike duplicate fail and the native sample concentration is less than four times the spike added concentration.

  Z - Spiked recovery not within control limits. An explanatory note may be included in the narrative.

  * - Duplicate analysis (relative percent difference) not within control limits.

ALS Environmental -- FC

Sample Number(s) Cross-Reference Table

OrderNum: 1108111
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
106025-A	1108111-1		WATER	08-Aug-11	11:32
106025-B	1108111-2		WATER	08-Aug-11	11:35
106025-C	1108111-3		WATER	08-Aug-11	11:37
106025-D	1108111-4		WATER	08-Aug-11	11:39
106025-E	1108111-5		WATER	08-Aug-11	11:41
106025-F	1108111-6		WATER	08-Aug-11	11:44
106025-G	1108111-7		WATER	08-Aug-11	11:46
106025-H	1108111-8		WATER	08-Aug-11	11:47
106025-I	1108111-9		WATER	08-Aug-11	11:48
106025-J	1108111-10		WATER	08-Aug-11	11:50
106026-A	1108111-11		WATER	08-Aug-11	11:58
106026-B	1108111-12		WATER	08-Aug-11	11:59
106026-C	1108111-13		WATER	08-Aug-11	12:02
106026-D	1108111-14		WATER	08-Aug-11	12:05
106026-E	1108111-15		WATER	08-Aug-11	12:08
106026-F	1108111-16		WATER	08-Aug-11	12:11
106026-G	1108111-17		WATER	08-Aug-11	12:12
106026-H	1108111-18		WATER	08-Aug-11	12:15
106026-I	1108111-19		WATER	08-Aug-11	12:16
106026-J	1108111-20		WATER	08-Aug-11	12:18

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 #	1108111				
PAGE	1 of 1				
DISPOSAL	By Lab or Return to Client				

PROJECT NAME	KAFB BFF 3Q11	SAMPLER	SSB	DATE	8/8/11
PROJECT No.		SITE ID	KAFB 106025	TURNAROUND	NORMAL
		EDD FORMAT			
		PURCHASE ORDER			
COMPANY NAME	NMED	BILL TO COMPANY	NMED/HWB		
SEND REPORT TO	SID BRANDWEIN	INVOICE ATTN TO	DAVE CORRAIN		
ADDRESS	5500 SAN ANTONIO 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	NH3+NITRATE+NITRITE 350.3 353.3	SULFIDE 376.1	DISS. MET 6010 Fe, Mn only
1	106025-A	W	8/8/11	11:32	3	HCl		X									
2	106025-B	W		11:35	3	HCl				X							
3	106025-C	W		11:37	3	HCl			X								
4	106025-D	W		11:39	1	–						X					
5	106025-E	W		11:41	1	H_2SO_4					X						
6	106025-F	W		11:44	1	–								X			
7	106025-G	W		11:46	1	H_2SO_4									X		
8	106025-H	W		11:47	1	ZnAc										X	
9	106025-I	W		11:48	1	HNO_3							X				
10	106025-J	W	8/8/11	11:50	1	HNO_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	S. Brandwein	S BRANDWEIN	8/8/11	1500
RECEIVED BY	Lauren Schmitz	Lauren Schmitz	8/9/11	1010
RELINQUISHED BY				
RECEIVED BY				
RELINQUISHED BY				
RECEIVED BY				

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 #	1108111		
PAGE	1 of 1		
DISPOSAL	By Lab or Return to Client		

PROJECT NAME	KAFB-BFF 3Q11	SAMPLER	SSB
PROJECT No.		SITE ID	KAFB 106026
		EDD FORMAT	
		PURCHASE ORDER	
COMPANY NAME	NMED	BILL TO COMPANY	NMED/HWB
SEND REPORT TO	SID BRANDWEIN	INVOICE ATTN TO	DAVE COBRAIN
ADDRESS	5500 SAN ANTONIO DR. 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	

DATE: 8/8/11
TURNAROUND: NORMAL

Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	VOC 8260	EDB 8011	GRO 8015	DRO 8015	PAH-SVOCs 8270 5145	TOTAL METALS TAL 6010	ALK + ANIONS 310.1 300	NH3 + NITRATE + NITRITE 350.3 353.3	SULFIDE 376.1	DISS. MET Fe+Mn 6010
11	106026 - A	W	8/8/11	11:58	3	HCl		X									
12	106026 - B	W		11:59	3	HCl				X							
13	106026 - C	W		12:02	3	HCl			X								
14	106026 - D	W		12:05	1	–						X					
15	106026 - E	W		12:08	1	H_2SO_4					X						
16	106026 - F	W		12:11	1	–								X			
17	106026 - G	W		12:12	1	H_2SO_4									X		
18	106026 - H	W		12:15	1	Zn/OC										X	
19	106026 - I	W	✓	12:16	1	HNO_3							X				
20	106026 - J	W	8/8/11	12:18	1	HNO_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: TOTAL METALS - TAL

DISS. METALS - Fe, Mn only

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

	SIGNATURE	PRINTED NAME	DATE	TIME
RELINQUISHED BY	S. Brandwein	S. BRANDWEIN	8/8/11	1:50PM
RECEIVED BY	[signature]	Lauren Schmitt	8/9/11	1010
RELINQUISHED BY				
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

ALS Laboratory Group - Fort Collins

CONDITION OF SAMPLE UPON RECEIPT FORM

Client: NMED Workorder No: 1108111

Project Manager: LRS Initials: LAS Date: 8/9/11

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	2						
Temperature (°C):	1.6	4.2						
No. of custody seals on cooler:	2	2						
DOT Survey/ Acceptance Information — External µR/hr reading:	14	12						
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.

If applicable, was the client contacted? **YES / NO / (NA)** Contact: _____ Date/Time: _____

Project Manager Signature / Date: CsWolf 8/10/11

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

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

FedEx Express **NEW** Package US Airbill

FedEx Tracking Number 8762 4637 7507

From

Date 6/8/11 [redacted]

Sender's Name 510 BRADDOCK Phone 305 212-7554

Company MY ED MUSIC

Address 550 [illegible] LN NE

Dept./Floor/Suite/Room

City ACBA State ZIP [illegible]

Your Internal Billing Reference

To

Recipient's Name LANCE STEGE Phone [illegible]

Company ACS LANS

Address 225 [illegible] DR

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

Dept./Floor/Suite/Room

Address

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

City FT COLLINS State CO ZIP [illegible]

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

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

8762 4637 7507

[redacted] Copy

Express Packaging [redacted] 150 lb.

First Business Day [redacted]

[redacted] Overnight

FedEx Standard Overnight

Saturday Delivery NOT available

5 Packaging Declared value

FedEx Envelope* [redacted] Other

6 Special Handling and Delivery [redacted]

SATURDAY Delivery

NOW available for FedEx Standard Overnight, [redacted]

Signature Required

Indirect Signature

Does this shipment contain dangerous goods?

One box must be checked.

No Yes As per attached Shipper's Declaration

Dry Ice Dry ice, UN 1845 x kg

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

Cargo Aircraft Only

7 Payment Bill to:

Sender Acct. No. in Section 1 will be billed.

Obtain recip. Acct. No.

Cash/Check

Total Packages Total Weight Total Declared Value

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

612

Rev. Date 11/10 • Part #163136 • ©1994-2010 FedEx • PRINTED IN U.S.A. SRY

FedEx 1 of 2

TRK# 0200 8762 4637 7507

MASTER

XH FTCA 1108/11 80

CO-US D

TUE - 09 AUG

PRIORITY OVERNI

TO (Recipient's Name) Please Print

Recipient's Phone Number

Company

Dept./Floor/S

Street Addres

FedEx MPS

MASTER TRK#: 08AUG 14:14

Pkg Trk#'s: 795758171190

Pcs: 2 1 of 1

Emp#: 602000 Rt#: STA

876246377507

Part # 156297-435 RIT2 06/11

4.20

12 2

Recipient Copy

/09 RR

#602000 08/08 50FG1/EEE7/F5F4

Total Recoverable ICP Metals

Method SW6010B

Sample Results

Lab Name: **ALS Environmental -- FC**
Work Order Number: 1108111
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: KAFB - BFF 3Q11

Field ID: 106025-I
Lab ID: 1108111-9

Analysis ReqCode: **202**

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 08-Aug-11
Date Extracted: 15-Aug-11
Date Analyzed: 16-Aug-11
Prep Method: SW3005 Rev A

Prep Batch: IP110815-3
QCBatchID: IP110815-3-5
Run ID: IT110816-2A3
Cleanup: NONE
Basis: As Received
File Name: 110816A.

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: MG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	0.067	0.2	0.031	B	
7440-36-0	ANTIMONY	1	0.0036	0.02	0.0036	U	
7440-38-2	ARSENIC	1	0.0029	0.01	0.0026	B	
7440-39-3	BARIUM	1	0.1	0.1	0.0017	B	
7440-41-7	BERYLLIUM	1	0.00018	0.005	0.00018	U	
7440-43-9	CADMIUM	1	0.0008	0.005	0.0008	U	
7440-70-2	CALCIUM	1	47	1	0.13		
7440-47-3	CHROMIUM	1	0.0018	0.01	0.0018	U	
7440-48-4	COBALT	1	0.00088	0.01	0.00088	U	
7440-50-8	COPPER	1	0.0016	0.01	0.0016	U	
7439-89-6	IRON	1	0.037	0.1	0.037	U	
7439-92-1	LEAD	1	0.0021	0.003	0.0021	U	
7439-95-4	MAGNESIUM	1	6.8	1	0.12		
7439-96-5	MANGANESE	1	0.0014	0.01	0.0014	U	
7440-02-0	NICKEL	1	0.005	0.02	0.0015	B	
7440-09-7	POTASSIUM	1	2.5	1	0.36		
7782-49-2	SELENIUM	1	0.0022	0.005	0.0022	U	
7440-22-4	SILVER	1	0.0016	0.01	0.0016	U	
7440-23-5	SODIUM	1	25	1	0.39		
7440-28-0	THALLIUM	1	0.0037	0.01	0.0037	U	
7440-62-2	VANADIUM	1	0.0047	0.01	0.0016	B	
7440-66-6	ZINC	1	0.0075	0.02	0.0021	B	

Data Package ID: *IT1108111-1*

Dissolved ICP Metals

Method SW6010B

Sample Results

Lab Name: **ALS Environmental -- FC**
Work Order Number: 1108111
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: KAFB - BFF 3Q11

Field ID: 106025-J
Lab ID: 1108111-10

Analysis ReqCode: **201**

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 08-Aug-11
Date Extracted: 15-Aug-11
Date Analyzed: 16-Aug-11
Prep Method: SW3005 Rev A

Prep Batch: IP110815-3
QCBatchID: IP110815-3-6
Run ID: IT110816-2A3
Cleanup: NONE
Basis: As Received
File Name: 110816A.

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: MG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7439-89-6	IRON	1	0.037	0.1	0.037	U	
7439-96-5	MANGANESE	1	0.0014	0.01	0.0014	U	

Data Package ID: *IT1108111-1*

Total Recoverable ICP Metals

Method SW6010B

Sample Results

Lab Name: **ALS Environmental -- FC**
Work Order Number: 1108111
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: KAFB - BFF 3Q11

Field ID: 106026-I
Lab ID: 1108111-19

Analysis ReqCode: **202**

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 08-Aug-11
Date Extracted: 15-Aug-11
Date Analyzed: 16-Aug-11
Prep Method: SW3005 Rev A

Prep Batch: IP110815-3
QCBatchID: IP110815-3-5
Run ID: IT110816-2A3
Cleanup: NONE
Basis: As Received
File Name: 110816A.

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: MG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	0.031	0.2	0.031	U	
7440-36-0	ANTIMONY	1	0.0036	0.02	0.0036	U	
7440-38-2	ARSENIC	1	0.0026	0.01	0.0026	U	
7440-39-3	BARIUM	1	0.2	0.1	0.0017		
7440-41-7	BERYLLIUM	1	0.00018	0.005	0.00018	U	
7440-43-9	CADMIUM	1	0.0008	0.005	0.0008	U	
7440-70-2	CALCIUM	1	71	1	0.13		
7440-47-3	CHROMIUM	1	0.0041	0.01	0.0018	B	
7440-48-4	COBALT	1	0.00088	0.01	0.00088	U	
7440-50-8	COPPER	1	0.0046	0.01	0.0016	B	
7439-89-6	IRON	1	0.037	0.1	0.037	U	
7439-92-1	LEAD	1	0.0021	0.003	0.0021	U	
7439-95-4	MAGNESIUM	1	9.5	1	0.12		
7439-96-5	MANGANESE	1	0.0014	0.01	0.0014	U	
7440-02-0	NICKEL	1	0.0079	0.02	0.0015	B	
7440-09-7	POTASSIUM	1	3.1	1	0.36		
7782-49-2	SELENIUM	1	0.0077	0.005	0.0022		
7440-22-4	SILVER	1	0.0016	0.01	0.0016	U	
7440-23-5	SODIUM	1	26	1	0.39		
7440-28-0	THALLIUM	1	0.0037	0.01	0.0037	U	
7440-62-2	VANADIUM	1	0.003	0.01	0.0016	B	
7440-66-6	ZINC	1	0.021	0.02	0.0021		

Data Package ID: *IT1108111-1*

Dissolved ICP Metals

Method SW6010B

Sample Results

Lab Name: **ALS Environmental -- FC**
Work Order Number: 1108111
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: KAFB - BFF 3Q11

Field ID: 106026-J
Lab ID: 1108111-20

Analysis ReqCode: **201**

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 08-Aug-11
Date Extracted: 15-Aug-11
Date Analyzed: 16-Aug-11
Prep Method: SW3005 Rev A

Prep Batch: IP110815-3
QCBatchID: IP110815-3-6
Run ID: IT110816-2A3
Cleanup: NONE
Basis: As Received
File Name: 110816A.

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: MG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7439-89-6	IRON	1	0.037	0.1	0.037	U	
7439-96-5	MANGANESE	1	0.0014	0.01	0.0014	U	

Data Package ID: *IT1108111-1*

Total MERCURY

Method SW7470A

Sample Results

Lab Name: **ALS Environmental -- FC**
Client Name: NMED Hazardous Waste Bureau
Client Project ID: KAFB - BFF 3Q11
Work Order Number: 1108111
Reporting Basis: As Received

Final Volume: 20 g
Matrix: WATER
Result Units: MG/L

Client Sample ID	Lab ID	Date Collected	Date Prepared	Date Analyzed	Percent Moisture	Dilution Factor	Result	Reporting Limit	MDL	Flag	Sample Aliquot
106025-I	1108111-9	8/8/2011	8/12/2011	08/15/2011	N/A	1	0.00006	0.0002	0.00006	U	20 g
106026-I	1108111-19	8/8/2011	8/12/2011	08/15/2011	N/A	1	0.00006	0.0002	0.00006	U	20 g

Comments:

1. ND or U = Not Detected at or above the client requested detection limit.

Data Package ID: *HG1108111-1*

ICP Metals

Method SW6010B

Method Blank

Lab Name: **ALS Environmental -- FC**
Work Order Number: 1108111
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: KAFB - BFF 3Q11

Lab ID: IP110815-3MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 15-Aug-11
Date Analyzed: 16-Aug-11

Prep Batch: IP110815-3
QCBatchID: IP110815-3-5
Run ID: IT110816-2A3
Cleanup: NONE
Basis: N/A
File Name: 110816A.

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: MG/L
Clean DF: 1

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	0.031	0.2	0.031	U	
7440-36-0	ANTIMONY	1	0.0036	0.02	0.0036	U	
7440-38-2	ARSENIC	1	0.0026	0.01	0.0026	U	
7440-39-3	BARIUM	1	0.0017	0.1	0.0017	U	
7440-41-7	BERYLLIUM	1	-0.00019	0.005	0.00018	B	
7440-43-9	CADMIUM	1	0.0008	0.005	0.0008	U	
7440-70-2	CALCIUM	1	0.13	1	0.13	U	
7440-47-3	CHROMIUM	1	0.0018	0.01	0.0018	U	
7440-48-4	COBALT	1	-0.0011	0.01	0.00088	B	
7440-50-8	COPPER	1	-0.0017	0.01	0.0016	B	
7439-89-6	IRON	1	0.037	0.1	0.037	U	
7439-92-1	LEAD	1	0.0021	0.003	0.0021	U	
7439-95-4	MAGNESIUM	1	0.12	1	0.12	U	
7439-96-5	MANGANESE	1	0.0014	0.01	0.0014	U	
7440-02-0	NICKEL	1	-0.0019	0.02	0.0015	B	
7440-09-7	POTASSIUM	1	0.36	1	0.36	U	
7782-49-2	SELENIUM	1	0.0022	0.005	0.0022	U	
7440-22-4	SILVER	1	0.0016	0.01	0.0016	U	
7440-23-5	SODIUM	1	0.39	1	0.39	U	
7440-28-0	THALLIUM	1	0.0037	0.01	0.0037	U	
7440-62-2	VANADIUM	1	0.0016	0.01	0.0016	U	
7440-66-6	ZINC	1	0.0021	0.02	0.0021	U	

Data Package ID: *IT1108111-1*

ICP Metals

Method SW6010B

Laboratory Control Sample

Lab Name: **ALS Environmental -- FC**
Work Order Number: 1108111
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: KAFB - BFF 3Q11

Lab ID: IP110815-3LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 08/15/2011
Date Analyzed: 08/16/2011
Prep Method: SW3005A

Prep Batch: IP110815-3
QCBatchID: IP110815-3-5
Run ID: IT110816-2A3
Cleanup: NONE
Basis: N/A
File Name: 110816A.

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: MG/L
Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7429-90-5	ALUMINUM	2	2.11	0.2		106	80 - 120%
7440-36-0	ANTIMONY	0.5	0.489	0.02		98	80 - 120%
7440-38-2	ARSENIC	2	2.01	0.01		101	80 - 120%
7440-39-3	BARIUM	2	1.97	0.1		99	80 - 120%
7440-41-7	BERYLLIUM	0.05	0.0475	0.005		95	80 - 120%
7440-43-9	CADMIUM	0.05	0.0511	0.005		102	80 - 120%
7440-70-2	CALCIUM	40	40	1		100	80 - 120%
7440-47-3	CHROMIUM	0.2	0.194	0.01		97	80 - 120%
7440-48-4	COBALT	0.5	0.48	0.01		96	80 - 120%
7440-50-8	COPPER	0.25	0.252	0.01		101	80 - 120%
7439-89-6	IRON	1	0.983	0.1		98	80 - 120%
7439-92-1	LEAD	0.5	0.496	0.003		99	80 - 120%
7439-95-4	MAGNESIUM	40	39.9	1		100	80 - 120%
7439-96-5	MANGANESE	0.5	0.487	0.01		97	80 - 120%
7440-02-0	NICKEL	0.5	0.487	0.02		97	80 - 120%
7440-09-7	POTASSIUM	40	37.9	1		95	80 - 120%
7782-49-2	SELENIUM	2	2.08	0.005		104	80 - 120%
7440-22-4	SILVER	0.1	0.0955	0.01		95	80 - 120%
7440-23-5	SODIUM	40	35.6	1		89	80 - 120%
7440-28-0	THALLIUM	2	2.12	0.01		106	80 - 120%
7440-62-2	VANADIUM	0.5	0.49	0.01		98	80 - 120%
7440-66-6	ZINC	0.5	0.48	0.02		96	80 - 120%

Data Package ID: *IT1108111-1*

Mercury

Method SW7470A

Method Blank

Lab Name: **ALS Environmental -- FC**
Work Order Number: 1108111
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: KAFB - BFF 3Q11

Lab ID: HG110812-1MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 12-Aug-11
Date Analyzed: 15-Aug-11

Prep Batch: HG110812-1
QCBatchID: HG110812-1-1
Run ID: HG110815-1A2
Cleanup: NONE
Basis: N/A
File Name: HG110812-1

Sample Aliquot: 20 g
Final Volume: 20 g
Result Units: MG/L
Clean DF: 1

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7439-97-6	MERCURY	1	0.00006	0.0002	0.00006	U	

Data Package ID: *HG1108111-1*

Mercury

Method SW7470A

Laboratory Control Sample

Lab Name: **ALS Environmental -- FC**
Work Order Number: 1108111
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: KAFB - BFF 3Q11

Lab ID: HG110812-1LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 08/12/2011
Date Analyzed: 08/15/2011
Prep Method: METHOD

Prep Batch: HG110812-1
QCBatchID: HG110812-1-1
Run ID: HG110815-1A2
Cleanup: NONE
Basis: N/A
File Name: HG110812-1

Sample Aliquot: 20 g
Final Volume: 20 g
Result Units: MG/L
Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7439-97-6	MERCURY	0.001	0.00099	0.0002		99	80 - 120%

Data Package ID: *HG1108111-1*