04-Oct-2011

Amy Wolf
ALS Laboratory Group
225 Commerce Drive
Fort Collins, CO 80524

Tel: (800) 443-1511
Fax: (970) 490-1522

Re: KAFB-BFF 3Q11 Work Order: **1108984**

Dear Amy,

ALS Environmental received 2 samples on 30-Aug-2011 09:35 AM for the analyses presented in the following report.

This is a REVISED REPORT. Please see the Case Narrative for discussion concerning this revision.

The total number of pages in this revised report is 11.

Regards,

Electronically approved by: Mary K. Knowles

Nicole Brown
Project Manager

Certificate No: T104704231-09A-TX

ALS Environmental

Date: 04-Oct-11

Client: ALS Laboratory Group
Project: KAFB-BFF 3Q11
Work Order: **1108984**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1108984-01	116028-C	Water		8/24/2011 13:00	8/30/2011 09:35	☐
1108984-02	106028-C	Water		8/24/2011 11:00	8/30/2011 09:35	☐

Client: ALS Laboratory Group
Project: KAFB-BFF 3Q11
Work Order: 1108984

Case Narrative

In the original report for these two samples, the compound 1,2-Dibromoethane was mistakenly reported as non detected. This was due to a difference in the normal retention time window, where the compound was missed by the analyst. The data was compared to results obtained by the Ft. Collins, CO ALS and found to differ. The data was re-evaluated and the missed peaks were re-calculated from the original run. That data is contained within this revised report.

The samples 116028-C and 106028-C are E flagged because the value is above the quantitation range. Therefore, the results are estimated.

ALS Environmental

Date: *04-Oct-11*

Client: ALS Laboratory Group
Project: KAFB-BFF 3Q11
Sample ID: 116028-C
Collection Date: 8/24/2011 01:00 PM

Work Order: 1108984
Lab ID: 1108984-01
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
EDB-DBCP			**SW8011**		Prep Date: **9/7/2011**	Analyst: **GWK**
1,2-Dibromoethane	**0.054**	E	**0.000017**	**mg/L**	1	9/8/2011 07:19 PM

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

ALS Environmental

Date: *04-Oct-11*

Client: ALS Laboratory Group
Project: KAFB-BFF 3Q11
Sample ID: 106028-C
Collection Date: 8/24/2011 11:00 AM

Work Order: 1108984
Lab ID: 1108984-02
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
EDB-DBCP			**SW8011**		Prep Date: **9/7/2011**	Analyst: **GWK**
1,2-Dibromoethane	**0.057**	E	**0.000017**	**mg/L**	1	9/8/2011 07:40 PM

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

ALS Environmental

Date: 04-Oct-11

Client: ALS Laboratory Group
Work Order: 1108984
Project: KAFB-BFF 3Q11

QC BATCH REPORT

Batch ID: **55214** Instrument ID **ECD_9** Method: **SW8011**

MBLK Sample ID: **EBLKW1-110907-55214** Units: **µg/L** Analysis Date: **9/8/2011 06:16 PM**

Client ID: Run ID: **ECD_9_110908A** SeqNo: **2522577** Prep Date: **9/7/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dibromoethane	ND	0.020								

LCS Sample ID: **ELCSW1-110907-55214** Units: **µg/L** Analysis Date: **9/8/2011 06:37 PM**

Client ID: Run ID: **ECD_9_110908A** SeqNo: **2522578** Prep Date: **9/7/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dibromoethane	0.2126	0.020	0.2	0	106	60-140	0			

LCSD Sample ID: **ELCSDW1-110907-55214** Units: **µg/L** Analysis Date: **9/8/2011 06:58 PM**

Client ID: Run ID: **ECD_9_110908A** SeqNo: **2522579** Prep Date: **9/7/2011** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dibromoethane	0.2147	0.020	0.2	0	107	60-140	0.2126	0.97	20	

The following samples were analyzed in this batch: 1108984-01A 1108984-02A

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

ALS Environmental

Date: 04-Oct-11

Client: ALS Laboratory Group
Project: KAFB-BFF 3Q11
WorkOrder: **1108984**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	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

Acronym	Description
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

Units Reported	Description
mg/L	Milligrams per Liter

ALS Laboratory Group

225 Commerce Drive, Fort Collins, Colorado 80524

TF: (800) 443-1511 w PH: (970) 490-1511 w FX: (970) 490-1522

Chain-of-C

1108984

ALS CO: ALS Laboratory Group

Project: KAFB-BFF 3Q11

sales person = Claudia Stull

PROJECT NAME	KAFB-BFF 3Q11	E-MAIL	lance.steere@alsglobal.com
PROJECT No.		PHONE	970-490-1511
REPORT TO	Lance Steere	FAX	
COMPANY	ALS Ft. Collins		
ADDRESS	see above		

DATE

TURNAROUND

Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Btls	QC	EDB, method 8011
	116028-C	Water	8/24/11	1300	3		X
	106028-C	Water	8/24/11	1100	3		X

COMMENTS: Ft Collins WO's 1108111, 152

Level 2 w/ QC + edd

	SIGNATURE	PRINTED NAME	DATE	TIME	COMPANY
Relinquished By	Kandi Barnes	Kandi Barnes	8-29-2011	1410	ALS
Received By		P.G.G.A.	8.30.11	0935	ALS
Relinquished By					
Received By					

ALS Environmental

Sample Receipt Checklist

Client Name: **ALS CO** Date/Time Received: **30-Aug-11 09:35**

Work Order: **1108984** Received by: **PMG**

Checklist completed by Salvador A. Yanez (eSignature) 31-Aug-11 (Date) Reviewed by: Nicole Brown (eSignature) 01-Sep-11 (Date)

Matrices: Water
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	5.9c	002	
Cooler(s)/Kit(s):	Small B/W		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:	_		

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

ORIGIN ID: FTCA (970) 490-1511
SAMPLE CONTROL
ALS LABORATORY GROUP
225 COMMERCE DRIVE

FORT COLLINS, CO 80524
UNITED STATES US

SHIP DATE: 29AUG11
ACTWGT: 5.8 LB.
CAD: 0089477/CAFE2507
DIMS: 11x11x7 IN

BILL THIRD PARTY

TO NICOLE BROWN
ALS LABORATORY GROUP
10450 STANCLIFF RD.
SUITE 210
HOUSTON TX 77099
(281) 530-5656
REF: 6710-ENV-FC-LB-00

50DC2/654D/10BC

RT 254 1 A
FZ B03
1710
08.30

FedEx Express

J11131101050125

FedEx.
TRK# 0201 6194 3076 1710

TUE - 30 AUG A2
PRIORITY OVERNIGHT

AB SGRA

77099
TX-US
IAH

Emp# 13370 29AUG11 FTCA 50FC2/4299/F5F4

CUSTODY SEAL

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES
225 Commerce Drive
Fort Collins, CO 80524
970-490-1511

Signature
Date 08-29-

CUSTODY SEAL

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES
225 Commerce Drive
Fort Collins, CO 80524
970-490-1511

Signature
Date 08-29-11

1089984