

February 11, 2013

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

Re: ALS Workorder: 13-01-283
Project Name: KAFB – BFF 1Q13
Project Number: None Submitted

Dear Mr. Salem:

Two water samples were received from NMED Hazardous Waste Bureau on January 30, 2013. The samples were scheduled for the following analysis:

GC/MS Volatiles pages 1-24

Analysis subcontracted to ALS Environmental in Houston, TX:
Dibromoethane

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/mlc
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: 1301283

Client Name: NMED Hazardous Waste Bureau

Client Project Name: KAFB - BFF 1Q13

Client Project Number:

Client PO Number: 20-667-00-16004

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
10610 - A	1301283-1		WATER	29-Jan-13	10:33
10610 - B	1301283-2		WATER	29-Jan-13	10:33



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

WORKORDER #

1301283

Form 2028

PROJECT NAME	KAFB-1Q13	SAMPLER	B5+5B	DATE	1/29/13	PAGE	1 of 1
PROJECT No.		SITE ID	KAFB	TURNAROUND	NORMAL	DISPOSAL	<u>By Lab</u> or Return to Client
COMPANY NAME	NM ED/HWB	EDD FORMAT					
SEND REPORT TO	SID BRANDWEIN	PURCHASE ORDER					
ADDRESS	5500 SAN ANTONIO DR NE	BILL TO COMPANY	NM ED/HWB				
CITY/STATE/ZIP	ALBU, NM 87109	INVOICE ATTN TO	DAVE COBRAIN				
PHONE	505-222-9504	ADDRESS	2905 RODEO PARK DR				
FAX		CITY/STATE/ZIP	SANTA FE, NM 87505				
E-MAIL	sid.brandwein@state.nm.us	PHONE					
		FAX					
		E-MAIL					

Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	UCC	EDB
①	10610 - A	W	1/29/13	10:33	3	HCl	X	8260	8011
②	10610 - B	W	1/29/13	10:33	3	HCl	X		
	106 - A	W			3	HCl	X		
	106 - B	W			3	HCl	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: ODOR AT WELL HEAD	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)
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
<i>S. Brandwein</i>	S. BRANDWEIN	1/29/13	15:00
<i>Lauren Schmitz</i>	Lauren Schmitz	1/30/13	11:45



ALS Environmental - Fort Collins
CONDITION OF SAMPLE UPON RECEIPT FORM

Client: MED
Project Manager: LRS

Workorder No: 1301283
Initials: LAS Date: 1/30/13

1. Does this project require any special handling in addition to standard ALS procedures?		YES	<input checked="" type="radio"/> NO
2. Are custody seals on shipping containers intact?	NONE	<input checked="" type="radio"/> YES	NO
3. Are Custody seals on sample containers intact?	<input checked="" type="radio"/> NONE	YES	NO
4. Is there a COC (Chain-of-Custody) present or other representative documents?		<input checked="" type="radio"/> YES	NO
5. Are the COC and bottle labels complete and legible?		<input checked="" type="radio"/> YES	NO
6. Is the COC in agreement with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.)		<input checked="" type="radio"/> YES	NO
7. Were airbills / shipping documents present and/or removable?	DROP OFF	<input checked="" type="radio"/> YES	NO
8. Are all aqueous samples requiring preservation preserved correctly? (excluding volatiles)	<input checked="" type="radio"/> N/A	YES	NO
9. Are all aqueous non-preserved samples pH 4-9?	<input checked="" type="radio"/> N/A	YES	NO
10. Is there sufficient sample for the requested analyses?		<input checked="" type="radio"/> YES	NO
11. Were all samples placed in the proper containers for the requested analyses?		<input checked="" type="radio"/> YES	NO
12. Are all samples within holding times for the requested analyses?		<input checked="" type="radio"/> YES	NO
<input checked="" type="radio"/> 13. Were all sample containers received intact? (not broken or leaking, etc.)		YES	<input checked="" type="radio"/> 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	<input checked="" type="radio"/> YES	NO
15. Do any water samples contain sediment? Amount of sediment: ___ dusting ___ moderate ___ heavy	Amount N/A	YES	<input checked="" type="radio"/> NO
16. Were the samples shipped on ice?		<input checked="" type="radio"/> YES	NO
17. Were cooler temperatures measured at 0.1-6.0°C? IR gun used*: <input checked="" type="radio"/> #2 #4 RAD ONLY		<input checked="" type="radio"/> YES	NO
Cooler #: <u>1</u>			
Temperature (°C): <u>0.2</u>			
No. of custody seals on cooler: <u>2</u>			
External µR/hr reading: <u>12</u>			
Background µR/hr reading: <u>12</u>			
Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? <input checked="" type="radio"/> 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.

#13 10610-A (1301283-1) arrived at lab with 2 vials broken with no recoverable volume. PM notified.
Use 1 vial from 10610-B for VOA. Send only 2 vials for EDB.

If applicable, was the client contacted? YES / NO / NA Contact: Syd B- / Brian S. Date/Time: 1/30/13
Project Manager Signature / Date: [Signature] 1/30/13



GC/MS Volatiles Case Narrative

NMED Hazardous Waste Bureau

KAFB - BFF 1Q13

Work Order Number: 1301283

1. This report consists of 1 water sample. The sample was received cool and intact by ALS on 01/30/13. The sample was free of headspace prior to analysis and had a pH < 2 at the time of analysis.
2. The sample was prepared according to SW-846, 3rd Edition procedures. Specifically, the water sample was prepared using purge and trap procedures based on Method 5030C.
3. The sample was analyzed using GC/MS with an RTX-624, RTX-VMS, or equivalent capillary column according to the current revision of SOP 525 based on SW-846 Method 8260. All positive results were quantitated against the initial calibration standards using the internal standard technique. The identification of positive results was achieved by a comparison of the retention time and mass spectrum of the sample versus the daily calibration standard.
4. All initial calibration criteria were met.
5. All initial calibrations are verified by comparing a second source standard calibration verification (ICV) against the calibration curve. All criteria for initial calibration verification were met.
6. All compounds in the continuing calibration verification had a %D of less than 20% with the exceptions of n-propylbenzene and 1,1,2,2-tetrachloroethane which were high. N-propylbenzene was detected in the associated samples so the data were flagged. 1,1,2,2-tetrachloroethane was not detected in the associated samples.
7. Methylene chloride, acetone and 2-butanone are common laboratory contaminants. In order to minimize the levels of these compounds detected in the gc/ms analysis, ALS has designated its volatile laboratory as a restricted access area. In addition, the laboratory has been equipped with a dedicated, air intake and exhaust system that operates under positive pressure in order to minimize cross contamination of these compounds. Due to fluctuations in ambient laboratory conditions, reported sample values for common laboratory contaminants may be due to lab contamination even if the compound in question is not detected in the associated method blank.



All method blank criteria were met.

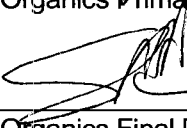
8. All laboratory control sample and laboratory control sample duplicate recoveries and RPDs were within the acceptance criteria.
9. A matrix spike and matrix spike duplicate were not performed because of insufficient sample. A laboratory control sample and laboratory control sample duplicate were performed instead.
10. The sample was analyzed within the established holding time.
11. All surrogate recoveries were within acceptance criteria.
12. All internal standard recoveries were within acceptance criteria.
13. Due to the concentration of target analytes, samples were analyzed at a dilution. The reporting limits have been adjusted accordingly.
14. Manual integrations are performed when needed to provide consistent and defensible data following the guidelines in the current revision of SOP 939.

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 Lyons
Organics Primary Data Reviewer

2/1/13
Date



Organics Final Data Reviewer

2-4-13
Date

ALS Environmental -- FC

Sample Number(s) Cross-Reference Table

OrderNum: 1301283

Client Name: NMED Hazardous Waste Bureau

Client Project Name: KAFB - BFF 1Q13

Client Project Number:

Client PO Number: 20-667-00-16004

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
10610 - A	1301283-1		WATER	29-Jan-13	10:33
10610 - B	1301283-2		WATER	29-Jan-13	10:33



ALS Environmental - Fort Collins
CONDITION OF SAMPLE UPON RECEIPT FORM

Client: MMED

Workorder No: 1301283

Project Manager: LRS

Initials: LAS Date: 1/30/13

1. Does this project require any special handling in addition to standard ALS procedures?		YES	<input checked="" type="radio"/> NO
2. Are custody seals on shipping containers intact?	NONE	<input checked="" type="radio"/> YES	NO
3. Are Custody seals on sample containers intact?	<input checked="" type="radio"/> NONE	YES	NO
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6. Is the COC in agreement with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.)		<input checked="" type="radio"/> YES	NO
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9. Are all aqueous non-preserved samples pH 4-9?	<input checked="" type="radio"/> N/A	YES	NO
10. Is there sufficient sample for the requested analyses?		<input checked="" type="radio"/> YES	NO
11. Were all samples placed in the proper containers for the requested analyses?		<input checked="" type="radio"/> YES	NO
12. Are all samples within holding times for the requested analyses?		<input checked="" type="radio"/> YES	NO
<input checked="" type="radio"/> 13. Were all sample containers received intact? (not broken or leaking, etc.)		YES	<input checked="" type="radio"/> 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	<input checked="" type="radio"/> YES	NO
15. Do any water samples contain sediment? Amount Amount of sediment: ___ dusting ___ moderate ___ heavy	N/A	YES	<input checked="" type="radio"/> NO
16. Were the samples shipped on ice?		<input checked="" type="radio"/> YES	NO
17. Were cooler temperatures measured at 0.1-6.0°C? IR gun used*: <input checked="" type="radio"/> #2 #4 RAD ONLY		<input checked="" type="radio"/> YES	NO
Cooler #: <u>1</u>			
Temperature (°C): <u>0.2</u>			
No. of custody seals on cooler: <u>2</u>			
External µR/hr reading: <u>12</u>			
Background µR/hr reading: <u>12</u>			
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Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE, EXCEPT #1 AND #16.

13 10610-A (1301283-1) arrived at lab with 2 vials broken with no recoverable volume. PM notified.

Use 1 vial from 10610-B for VOA. Send only 2 vials for EDB/A

If applicable, was the client contacted? YES / NO / NA Contact: Syd B- / Brian S. Date/Time: 1/30/13

Project Manager Signature / Date: [Signature] 1/30/13

GC/MS Volatiles

Method SW8260_25C

Method Blank

Lab Name: ALS Environmental -- FC

Work Order Number: 1301283

Client Name: NMED Hazardous Waste Bureau

ClientProject ID: KAFB - BFF 1Q13

Lab ID: VL130131-3MB

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 31-Jan-13

Date Analyzed: 31-Jan-13

Prep Batch: VL130131-3

QCBatchID: VL130131-3-1

Run ID: VL130131-3A

Cleanup: NONE

Basis: N/A

File Name: C43165

Sample Aliquot: 10 ml

Final Volume: 10 ml

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
75-71-8	DICHLORODIFLUOROMETHANE	1	1	1	0.3	U	
74-87-3	CHLOROMETHANE	1	1	1	0.3	U	
75-01-4	VINYL CHLORIDE	1	1	1	0.3	U	
74-83-9	BROMOMETHANE	1	1	1	0.3	U	
75-00-3	CHLOROETHANE	1	1	1	0.3	U	
75-69-4	TRICHLOROFLUOROMETHANE	1	1	1	0.3	U	
75-35-4	1,1-DICHLOROETHENE	1	1	1	0.3	U	
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROET	1	1	1	0.3	U	
67-64-1	ACETONE	1	10	10	3	U	
74-88-4	IODOMETHANE	1	1	1	0.3	U	
75-15-0	CARBON DISULFIDE	1	1	1	0.3	U	
75-09-2	METHYLENE CHLORIDE	1	1	1	0.3	U	
156-60-5	TRANS-1,2-DICHLOROETHENE	1	1	1	0.3	U	
1634-04-4	METHYL TERTIARY BUTYL ETHER	1	1	1	0.3	U	
75-34-3	1,1-DICHLOROETHANE	1	1	1	0.3	U	
108-05-4	VINYL ACETATE	1	2	2	0.96	U	
156-59-2	CIS-1,2-DICHLOROETHENE	1	1	1	0.3	U	
78-93-3	2-BUTANONE	1	10	10	3	U	
74-97-5	BROMOCHLOROMETHANE	1	1	1	0.3	U	
67-66-3	CHLOROFORM	1	1	1	0.3	U	
71-55-6	1,1,1-TRICHLOROETHANE	1	1	1	0.3	U	
594-20-7	2,2-DICHLOROPROPANE	1	1	1	0.3	U	
56-23-5	CARBON TETRACHLORIDE	1	1	1	0.3	U	
563-58-6	1,1-DICHLOROPROPENE	1	1	1	0.3	U	
107-06-2	1,2-DICHLOROETHANE	1	1	1	0.3	U	
71-43-2	BENZENE	1	1	1	0.3	U	
79-01-6	TRICHLOROETHENE	1	1	1	0.3	U	
78-87-5	1,2-DICHLOROPROPANE	1	1	1	0.3	U	

Data Package ID: VL1301283-1

GC/MS Volatiles

Method SW8260_25C

Method Blank

Lab Name: ALS Environmental -- FC

Work Order Number: 1301283

Client Name: NMED Hazardous Waste Bureau

ClientProject ID: KAFB - BFF 1Q13

Lab ID: VL130131-3MB

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 31-Jan-13

Date Analyzed: 31-Jan-13

Prep Batch: VL130131-3

QCBatchID: VL130131-3-1

Run ID: VL130131-3A

Cleanup: NONE

Basis: N/A

File Name: C43165

Sample Aliquot: 10 ml

Final Volume: 10 ml

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
74-95-3	DIBROMOMETHANE	1	1	1	0.3	U	
75-27-4	BROMODICHLOROMETHANE	1	1	1	0.3	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	1	1	1	0.3	U	
108-10-1	4-METHYL-2-PENTANONE	1	10	10	3.4	U	
108-88-3	TOLUENE	1	1	1	0.3	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1	1	1	0.3	U	
79-00-5	1,1,2-TRICHLOROETHANE	1	1	1	0.3	U	
591-78-6	2-HEXANONE	1	10	10	3.4	U	
127-18-4	TETRACHLOROETHENE	1	1	1	0.18	U	
142-28-9	1,3-DICHLOROPROPANE	1	1	1	0.3	U	
124-48-1	DIBROMOCHLOROMETHANE	1	1	1	0.3	U	
106-93-4	1,2-DIBROMOETHANE	1	1	1	0.3	U	
544-10-5	1-CHLOROHEXANE	1	1	1	0.3	U	
108-90-7	CHLOROBENZENE	1	1	1	0.3	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	1	1	1	0.3	U	
100-41-4	ETHYLBENZENE	1	1	1	0.3	U	
136777-61-2	M+P-XYLENE	1	1	1	0.3	U	
95-47-6	O-XYLENE	1	1	1	0.3	U	
100-42-5	STYRENE	1	1	1	0.3	U	
75-25-2	BROMOFORM	1	1	1	0.34	U	
98-82-8	ISOPROPYLBENZENE	1	1	1	0.3	U	
96-18-4	1,2,3-TRICHLOROPROPANE	1	1	1	0.3	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	1	1	1	0.3	U	
108-86-1	BROMOBENZENE	1	1	1	0.3	U	
103-65-1	N-PROPYLBENZENE	1	1	1	0.3	U	
95-49-8	2-CHLOROTOLUENE	1	1	1	0.3	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	1	1	1	0.3	U	
106-43-4	4-CHLOROTOLUENE	1	1	1	0.3	U	

Data Package ID: VL1301283-1

GC/MS Volatiles

Method SW8260_25C

Method Blank

Lab Name: ALS Environmental -- FC

Work Order Number: 1301283

Client Name: NMED Hazardous Waste Bureau

ClientProject ID: KAFB - BFF 1Q13

Lab ID: VL130131-3MB

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 31-Jan-13

Date Analyzed: 31-Jan-13

Prep Batch: VL130131-3

QCBatchID: VL130131-3-1

Run ID: VL130131-3A

Cleanup: NONE

Basis: N/A

File Name: C43165

Sample Aliquot: 10 ml

Final Volume: 10 ml

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
98-06-6	TERT-BUTYL BENZENE	1	1	1	0.3	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	1	1	1	0.3	U	
135-98-8	SEC-BUTYL BENZENE	1	1	1	0.3	U	
541-73-1	1,3-DICHLOROBENZENE	1	1	1	0.3	U	
99-87-6	P-ISOPROPYLTOLUENE	1	1	1	0.3	U	
106-46-7	1,4-DICHLOROBENZENE	1	1	1	0.3	U	
104-51-8	N-BUTYL BENZENE	1	1	1	0.3	U	
95-50-1	1,2-DICHLOROBENZENE	1	1	1	0.3	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	1	2	2	0.44	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	1	1	0.3	U	
87-68-3	HEXACHLOROBUTADIENE	1	1	1	0.3	U	
91-20-3	NAPHTHALENE	1	1	1	0.3	U	
87-61-6	1,2,3-TRICHLOROBENZENE	1	1	1	0.3	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	26.7		25	107	85 - 115
1868-53-7	DIBROMOFLUOROMETHANE	22.7		25	91	84 - 118
2037-26-5	TOLUENE-D8	22.8		25	91	85 - 115

Data Package ID: VL1301283-1

Date Printed: Friday, February 01, 2013

ALS Environmental -- FC

Page 3 of 3

LIMS Version: 6.630

GC/MS Volatiles

Method SW8260_25C

Sample Results

Lab Name: ALS Environmental -- FC

Work Order Number: 1301283

Client Name: NMED Hazardous Waste Bureau

ClientProject ID: KAFB - BFF 1Q13

COC Number: 1211680

Field ID: 10610 - A
Lab ID: 1301283-1

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 29-Jan-13
Date Extracted: 31-Jan-13
Date Analyzed: 31-Jan-13
Prep Method: SW5030 Rev C

Prep Batch: VL130131-3
QCBatchID: VL130131-3-1
Run ID: VL130131-3A
Cleanup: NONE
Basis: As Received
File Name: C43174

Analyst: Steven D. White
Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1

Analysis ReqCode: 101

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
75-71-8	DICHLORODIFLUOROMETHANE	1000	1000	1000	300	U	
74-87-3	CHLOROMETHANE	1000	1000	1000	300	U	
75-01-4	VINYL CHLORIDE	1000	1000	1000	300	U	
74-83-9	BROMOMETHANE	1000	1000	1000	300	U	
75-00-3	CHLOROETHANE	1000	1000	1000	300	U	
75-69-4	TRICHLOROFLUOROMETHANE	1000	1000	1000	300	U	
75-35-4	1,1-DICHLOROETHENE	1000	1000	1000	300	U	
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETH	1000	1000	1000	300	U	
67-64-1	ACETONE	1000	10000	10000	3000	U	
74-88-4	IODOMETHANE	1000	1000	1000	300	U	
75-15-0	CARBON DISULFIDE	1000	1000	1000	300	U	
75-09-2	METHYLENE CHLORIDE	1000	1000	1000	300	U	
156-60-5	TRANS-1,2-DICHLOROETHENE	1000	1000	1000	300	U	
1634-04-4	METHYL TERTIARY BUTYL ETHER	1000	1000	1000	300	U	
75-34-3	1,1-DICHLOROETHANE	1000	1000	1000	300	U	
108-05-4	VINYL ACETATE	1000	2000	2000	960	U	
156-59-2	CIS-1,2-DICHLOROETHENE	1000	1000	1000	300	U	
78-93-3	2-BUTANONE	1000	10000	10000	3000	U	
74-97-5	BROMOCHLOROMETHANE	1000	1000	1000	300	U	
67-66-3	CHLOROFORM	1000	1000	1000	300	U	
71-55-6	1,1,1-TRICHLOROETHANE	1000	1000	1000	300	U	
594-20-7	2,2-DICHLOROPROPANE	1000	1000	1000	300	U	
56-23-5	CARBON TETRACHLORIDE	1000	1000	1000	300	U	
563-58-6	1,1-DICHLOROPROPENE	1000	1000	1000	300	U	
107-06-2	1,2-DICHLOROETHANE	1000	1000	1000	300	U	
71-43-2	BENZENE	1000	5000	1000	300		

Data Package ID: VL1301283-1

Date Printed: Friday, February 01, 2013

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GC/MS Volatiles

Method SW8260_25C

Sample Results

Lab Name: ALS Environmental -- FC

Work Order Number: 1301283

Client Name: NMED Hazardous Waste Bureau

ClientProject ID: KAFB - BFF 1Q13

COC Number: 1211680

Field ID: 10610 - A

Lab ID: 1301283-1

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 29-Jan-13

Date Extracted: 31-Jan-13

Date Analyzed: 31-Jan-13

Prep Method: SW5030 Rev C

Prep Batch: VL130131-3

QCBatchID: VL130131-3-1

Run ID: VL130131-3A

Cleanup: NONE

Basis: As Received

File Name: C43174

Analyst: Steven D. White

Sample Aliquot: 10 ml

Final Volume: 10 ml

Result Units: UG/L

Clean DF: 1

Analysis ReqCode: 101

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
79-01-6	TRICHLOROETHENE	1000	1000	1000	300	U	
78-87-5	1,2-DICHLOROPROPANE	1000	1000	1000	300	U	
74-95-3	DIBROMOMETHANE	1000	1000	1000	300	U	
75-27-4	BROMODICHLOROMETHANE	1000	1000	1000	300	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	1000	1000	1000	300	U	
108-10-1	4-METHYL-2-PENTANONE	1000	10000	10000	3400	U	
108-88-3	TOLUENE	1000	9500	1000	300		
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1000	1000	1000	300	U	
79-00-5	1,1,2-TRICHLOROETHANE	1000	1000	1000	300	U	
591-78-6	2-HEXANONE	1000	10000	10000	3400	U	
127-18-4	TETRACHLOROETHENE	1000	1000	1000	180	U	
142-28-9	1,3-DICHLOROPROPANE	1000	1000	1000	300	U	
124-48-1	DIBROMOCHLOROMETHANE	1000	1000	1000	300	U	
106-93-4	1,2-DIBROMOETHANE	1000	1000	1000	300	U	
544-10-5	1-CHLOROHEXANE	1000	1000	1000	300	U	
108-90-7	CHLOROBENZENE	1000	1000	1000	300	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	1000	1000	1000	300	U	
100-41-4	ETHYLBENZENE	1000	1600	1000	300		
136777-61-2	M+P-XYLENE	1000	970	1000	300	J	
95-47-6	O-XYLENE	1000	900	1000	300	J	
100-42-5	STYRENE	1000	1000	1000	300	U	
75-25-2	BROMOFORM	1000	1000	1000	340	U	
98-82-8	ISOPROPYLBENZENE	1000	1000	1000	300	U	
96-18-4	1,2,3-TRICHLOROPROPANE	1000	1000	1000	300	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	1000	1000	1000	300	U	
108-86-1	BROMOBENZENE	1000	1000	1000	300	U	

Data Package ID: VL1301283-1

Date Printed: Friday, February 01, 2013

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LIMS Version: 6.630

GC/MS Volatiles

Method SW8260_25C

Sample Results

Lab Name: ALS Environmental -- FC

Work Order Number: 1301283

Client Name: NMED Hazardous Waste Bureau

ClientProject ID: KAFB - BFF 1Q13

COC Number: 1211680

Field ID: 10610 - A
Lab ID: 1301283-1

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 29-Jan-13
Date Extracted: 31-Jan-13
Date Analyzed: 31-Jan-13
Prep Method: SW5030 Rev C

Prep Batch: VL130131-3
QCBatchID: VL130131-3-1
Run ID: VL130131-3A
Cleanup: NONE
Basis: As Received
File Name: C43174

Analyst: Steven D. White
Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1

Analysis ReqCode: 101

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
103-65-1	N-PROPYLBENZENE	1000	1000	1000	300	U	
95-49-8	2-CHLOROTOLUENE	1000	1000	1000	300	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	1000	1000	1000	300	U	
106-43-4	4-CHLOROTOLUENE	1000	1000	1000	300	U	
98-06-6	TERT-BUTYLBENZENE	1000	1000	1000	300	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	1000	320	1000	300	J	
135-98-8	SEC-BUTYLBENZENE	1000	1000	1000	300	U	
541-73-1	1,3-DICHLOROBENZENE	1000	1000	1000	300	U	
99-87-6	P-ISOPROPYLTOLUENE	1000	1000	1000	300	U	
106-46-7	1,4-DICHLOROBENZENE	1000	1000	1000	300	U	
104-51-8	N-BUTYLBENZENE	1000	1000	1000	300	U	
95-50-1	1,2-DICHLOROBENZENE	1000	1000	1000	300	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	1000	2000	2000	440	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1000	1000	1000	300	U	
87-68-3	HEXACHLOROBTADIENE	1000	1000	1000	300	U	
91-20-3	NAPHTHALENE	1000	1000	1000	300	U	
87-61-6	1,2,3-TRICHLOROBENZENE	1000	1000	1000	300	U	

Data Package ID: VL1301283-1

Date Printed: Friday, February 01, 2013

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GC/MS Volatiles

Method SW8260_25C

Sample Results

Lab Name: ALS Environmental -- FC

Work Order Number: 1301283

Client Name: NMED Hazardous Waste Bureau

ClientProject ID: KAFB - BFF 1Q13

COC Number: 1211680

Field ID: 10610 - A
Lab ID: 1301283-1

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 29-Jan-13
Date Extracted: 31-Jan-13
Date Analyzed: 31-Jan-13
Prep Method: SW5030 Rev C

Prep Batch: VL130131-3
QCBatchID: VL130131-3-1
Run ID: VL130131-3A
Cleanup: NONE
Basis: As Received
File Name: C43174

Analyst: Steven D. White
Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1

Analysis ReqCode: 101

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
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Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	25800		25000	103	85 - 115
1868-53-7	DIBROMOFLUOROMETHANE	23000		25000	92	84 - 118
2037-26-5	TOLUENE-D8	23000		25000	92	85 - 115

Data Package ID: VL1301283-1

Date Printed: Friday, February 01, 2013

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GC/MS Volatiles

Method SW8260_25C

Sample Results

Lab Name: ALS Environmental -- FC

Work Order Number: 1301283

Client Name: NMED Hazardous Waste Bureau

ClientProject ID: KAFB - BFF 1Q13

COC Number: 1211680

Field ID: 10610 - A
Lab ID: 1301283-1RR1

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 29-Jan-13
Date Extracted: 31-Jan-13
Date Analyzed: 31-Jan-13
Prep Method: SW5030 Rev C

Prep Batch: VL130131-3
QCBatchID: VL130131-3-1
Run ID: VL130131-3A
Cleanup: NONE
Basis: As Received
File Name: C43175

Analyst: Steven D. White
Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1

Analysis ReqCode: 101

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
75-71-8	DICHLORODIFLUOROMETHANE	100	100	100	30	U	
74-87-3	CHLOROMETHANE	100	100	100	30	U	
75-01-4	VINYL CHLORIDE	100	100	100	30	U	
74-83-9	BROMOMETHANE	100	100	100	30	U	
75-00-3	CHLOROETHANE	100	100	100	30	U	
75-69-4	TRICHLOROFLUOROMETHANE	100	100	100	30	U	
75-35-4	1,1-DICHLOROETHENE	100	100	100	30	U	
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETH	100	100	100	30	U	
67-64-1	ACETONE	100	1800	1000	300		
74-88-4	IODOMETHANE	100	100	100	30	U	
75-15-0	CARBON DISULFIDE	100	100	100	30	U	
75-09-2	METHYLENE CHLORIDE	100	100	100	30	U	
156-60-5	TRANS-1,2-DICHLOROETHENE	100	100	100	30	U	
1634-04-4	METHYL TERTIARY BUTYL ETHER	100	100	100	30	U	
75-34-3	1,1-DICHLOROETHANE	100	100	100	30	U	
108-05-4	VINYL ACETATE	100	200	200	96	U	
156-59-2	CIS-1,2-DICHLOROETHENE	100	100	100	30	U	
78-93-3	2-BUTANONE	100	370	1000	300	J	
74-97-5	BROMOCHLOROMETHANE	100	100	100	30	U	
67-66-3	CHLOROFORM	100	100	100	30	U	
71-55-6	1,1,1-TRICHLOROETHANE	100	100	100	30	U	
594-20-7	2,2-DICHLOROPROPANE	100	100	100	30	U	
56-23-5	CARBON TETRACHLORIDE	100	100	100	30	U	
563-58-6	1,1-DICHLOROPROPENE	100	100	100	30	U	
107-06-2	1,2-DICHLOROETHANE	100	100	100	30	U	
71-43-2	BENZENE	100	4700	100	30		

Data Package ID: VL1301283-1

GC/MS Volatiles

Method SW8260_25C

Sample Results

Lab Name: ALS Environmental -- FC

Work Order Number: 1301283

Client Name: NMED Hazardous Waste Bureau

ClientProject ID: KAFB - BFF 1Q13

COC Number: 1211680

Field ID: 10610 - A
Lab ID: 1301283-1RR1

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 29-Jan-13
Date Extracted: 31-Jan-13
Date Analyzed: 31-Jan-13
Prep Method: SW5030 Rev C

Prep Batch: VL130131-3
QCBatchID: VL130131-3-1
Run ID: VL130131-3A
Cleanup: NONE
Basis: As Received
File Name: C43175

Analyst: Steven D. White
Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1

Analysis ReqCode: 101

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
79-01-6	TRICHLOROETHENE	100	100	100	30	U	
78-87-5	1,2-DICHLOROPROPANE	100	100	100	30	U	
74-95-3	DIBROMOMETHANE	100	100	100	30	U	
75-27-4	BROMODICHLOROMETHANE	100	100	100	30	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	100	100	100	30	U	
108-10-1	4-METHYL-2-PENTANONE	100	1000	1000	340	U	
108-88-3	TOLUENE	100	8700	100	30	E	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	100	100	100	30	U	
79-00-5	1,1,2-TRICHLOROETHANE	100	100	100	30	U	
591-78-6	2-HEXANONE	100	1000	1000	340	U	
127-18-4	TETRACHLOROETHENE	100	100	100	18	U	
142-28-9	1,3-DICHLOROPROPANE	100	100	100	30	U	
124-48-1	DIBROMOCHLOROMETHANE	100	100	100	30	U	
106-93-4	1,2-DIBROMOETHANE	100	69	100	30	J	
544-10-5	1-CHLOROHEXANE	100	100	100	30	U	
108-90-7	CHLOROBENZENE	100	100	100	30	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	100	100	100	30	U	
100-41-4	ETHYLBENZENE	100	1500	100	30		
136777-61-2	M+P-XYLENE	100	880	100	30		
95-47-6	O-XYLENE	100	880	100	30		
100-42-5	STYRENE	100	100	100	30	U	
75-25-2	BROMOFORM	100	100	100	34	U	
98-82-8	ISOPROPYLBENZENE	100	100	100	30		
96-18-4	1,2,3-TRICHLOROPROPANE	100	100	100	30	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	100	100	100	30	U	
108-86-1	BROMOBENZENE	100	100	100	30	U	

Data Package ID: VL1301283-1

GC/MS Volatiles

Method SW8260_25C

Sample Results

Lab Name: ALS Environmental -- FC

Work Order Number: 1301283

Client Name: NMED Hazardous Waste Bureau

ClientProject ID: KAFB - BFF 1Q13

COC Number: 1211680

Field ID: 10610 - A
Lab ID: 1301283-1RR1

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 29-Jan-13
Date Extracted: 31-Jan-13
Date Analyzed: 31-Jan-13
Prep Method: SW5030 Rev C

Prep Batch: VL130131-3
QCBatchID: VL130131-3-1
Run ID: VL130131-3A
Cleanup: NONE
Basis: As Received
File Name: C43175

Analyst: Steven D. White
Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1

Analysis ReqCode: 101

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
103-65-1	N-PROPYLBENZENE	100	110	100	30	J	
95-49-8	2-CHLOROTOLUENE	100	100	100	30	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	100	110	100	30		
106-43-4	4-CHLOROTOLUENE	100	100	100	30	U	
98-06-6	TERT-BUTYLBENZENE	100	100	100	30	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	100	320	100	30		
135-98-8	SEC-BUTYLBENZENE	100	100	100	30	U	
541-73-1	1,3-DICHLOROBENZENE	100	100	100	30	U	
99-87-6	P-ISOPROPYLTOLUENE	100	150	100	30		
106-46-7	1,4-DICHLOROBENZENE	100	100	100	30	U	
104-51-8	N-BUTYLBENZENE	100	100	100	30	U	
95-50-1	1,2-DICHLOROBENZENE	100	100	100	30	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	100	200	200	44	U	
120-82-1	1,2,4-TRICHLOROBENZENE	100	100	100	30	U	
87-68-3	HEXACHLOROBUTADIENE	100	100	100	30	U	
91-20-3	NAPHTHALENE	100	92	100	30	J	
87-61-6	1,2,3-TRICHLOROBENZENE	100	100	100	30	U	

Data Package ID: VL1301283-1

Date Printed: Friday, February 01, 2013

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GC/MS Volatiles

Method SW8260_25C

Sample Results

Lab Name: ALS Environmental -- FC

Work Order Number: 1301283

Client Name: NMED Hazardous Waste Bureau

ClientProject ID: KAFB - BFF 1Q13

COC Number: 1211680

Field ID: 10610 - A
Lab ID: 1301283-1RR1

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 29-Jan-13
Date Extracted: 31-Jan-13
Date Analyzed: 31-Jan-13
Prep Method: SW5030 Rev C

Prep Batch: VL130131-3
QCBatchID: VL130131-3-1
Run ID: VL130131-3A
Cleanup: NONE
Basis: As Received
File Name: C43175

Analyst: Steven D. White
Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1

Analysis ReqCode: 101

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
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Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	2590		2500	104	85 - 115
1868-53-7	DIBROMOFLUOROMETHANE	2320		2500	93	84 - 118
2037-26-5	TOLUENE-D8	2330		2500	93	85 - 115

Data Package ID: VL1301283-1

Date Printed: Friday, February 01, 2013

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GC/MS Volatiles

Method SW8260_25C

Sample Results

Lab Name: ALS Environmental -- FC

Work Order Number: 1301283

Client Name: NMED Hazardous Waste Bureau

ClientProject ID: KAFB - BFF 1Q13

COC Number: 1211680

Field ID: 10610 - A
Lab ID: 1301283-1RR2

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 29-Jan-13
Date Extracted: 31-Jan-13
Date Analyzed: 31-Jan-13
Prep Method: SW5030 Rev C

Prep Batch: VL130131-3
QCBatchID: VL130131-3-1
Run ID: VL130131-3A
Cleanup: NONE
Basis: As Received
File Name: C43176

Analyst: Steven D. White
Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1

Analysis ReqCode: 101

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
75-71-8	DICHLORODIFLUOROMETHANE	10	10	10	3	U	
74-87-3	CHLOROMETHANE	10	10	10	3	U	
75-01-4	VINYL CHLORIDE	10	10	10	3	U	
74-83-9	BROMOMETHANE	10	10	10	3	U	
75-00-3	CHLOROETHANE	10	10	10	3	U	
75-69-4	TRICHLOROFUOROMETHANE	10	10	10	3	U	
75-35-4	1,1-DICHLOROETHENE	10	10	10	3	U	
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETH	10	10	10	3	U	
67-64-1	ACETONE	10	1100	100	30		
74-88-4	IODOMETHANE	10	10	10	3	U	
75-15-0	CARBON DISULFIDE	10	4.8	10	3	J	
75-09-2	METHYLENE CHLORIDE	10	10	10	3	U	
156-60-5	TRANS-1,2-DICHLOROETHENE	10	10	10	3	U	
1634-04-4	METHYL TERTIARY BUTYL ETHER	10	10	10	3	U	
75-34-3	1,1-DICHLOROETHANE	10	10	10	3	U	
108-05-4	VINYL ACETATE	10	20	20	9.6	U	
156-59-2	CIS-1,2-DICHLOROETHENE	10	10	10	3	U	
78-93-3	2-BUTANONE	10	420	100	30		
74-97-5	BROMOCHLOROMETHANE	10	10	10	3	U	
67-66-3	CHLOROFORM	10	10	10	3	U	
71-55-6	1,1,1-TRICHLOROETHANE	10	10	10	3	U	
594-20-7	2,2-DICHLOROPROPANE	10	10	10	3	U	
56-23-5	CARBON TETRACHLORIDE	10	10	10	3	U	
563-58-6	1,1-DICHLOROPROPENE	10	10	10	3	U	
107-06-2	1,2-DICHLOROETHANE	10	10	10	3	U	
71-43-2	BENZENE	10	2600	10	3	E	

Data Package ID: VL1301283-1

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GC/MS Volatiles

Method SW8260_25C

Sample Results

Lab Name: ALS Environmental -- FC

Work Order Number: 1301283

Client Name: NMED Hazardous Waste Bureau

ClientProject ID: KAFB - BFF 1Q13

COC Number: 1211680

Field ID: 10610 - A
Lab ID: 1301283-1RR2

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 29-Jan-13
Date Extracted: 31-Jan-13
Date Analyzed: 31-Jan-13
Prep Method: SW5030 Rev C

Prep Batch: VL130131-3
QCBatchID: VL130131-3-1
Run ID: VL130131-3A
Cleanup: NONE
Basis: As Received
File Name: C43176

Analyst: Steven D. White
Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1

Analysis ReqCode: 101

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
79-01-6	TRICHLOROETHENE	10	10	10	3	U	
78-87-5	1,2-DICHLOROPROPANE	10	10	10	3	U	
74-95-3	DIBROMOMETHANE	10	10	10	3	U	
75-27-4	BROMODICHLOROMETHANE	10	10	10	3	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	10	10	10	3	U	
108-10-1	4-METHYL-2-PENTANONE	10	150	100	34		
108-88-3	TOLUENE	10	2500	10	3	E	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	10	10	10	3	U	
79-00-5	1,1,2-TRICHLOROETHANE	10	10	10	3	U	
591-78-6	2-HEXANONE	10	170	100	34		
127-18-4	TETRACHLOROETHENE	10	10	10	1.8	U	
142-28-9	1,3-DICHLOROPROPANE	10	10	10	3	U	
124-48-1	DIBROMOCHLOROMETHANE	10	10	10	3	U	
106-93-4	1,2-DIBROMOETHANE	10	69	10	3		
544-10-5	1-CHLOROHEXANE	10	10	10	3	U	
108-90-7	CHLOROBENZENE	10	10	10	3	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	10	10	10	3	U	
100-41-4	ETHYLBENZENE	10	1200	10	3	E	
136777-61-2	M+P-XYLENE	10	810	10	3		
95-47-6	O-XYLENE	10	810	10	3	E	
100-42-5	STYRENE	10	10	10	3	U	
75-25-2	BROMOFORM	10	10	10	3.4	U	
98-82-8	ISOPROPYLBENZENE	10	99	10	3		
96-18-4	1,2,3-TRICHLOROPROPANE	10	10	10	3	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	10	10	10	3	U	
108-86-1	BROMOBENZENE	10	10	10	3	U	

Data Package ID: VL1301283-1

Date Printed: Friday, February 01, 2013

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GC/MS Volatiles

Method SW8260_25C

Sample Results

Lab Name: ALS Environmental -- FC

Work Order Number: 1301283

Client Name: NMED Hazardous Waste Bureau

ClientProject ID: KAFB - BFF 1Q13

COC Number: 1211680

Field ID: 10610 - A
Lab ID: 1301283-1RR2

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 29-Jan-13
Date Extracted: 31-Jan-13
Date Analyzed: 31-Jan-13
Prep Method: SW5030 Rev C

Prep Batch: VL130131-3
QCBatchID: VL130131-3-1
Run ID: VL130131-3A
Cleanup: NONE
Basis: As Received
File Name: C43176

Analyst: Steven D. White
Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1

Analysis ReqCode: 101

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
103-65-1	N-PROPYLBENZENE	10	120	10	3	J	
95-49-8	2-CHLOROTOLUENE	10	10	10	3	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	10	100	10	3		
106-43-4	4-CHLOROTOLUENE	10	10	10	3	U	
98-06-6	TERT-BUTYLBENZENE	10	10	10	3	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	10	310	10	3		
135-98-8	SEC-BUTYLBENZENE	10	12	10	3		
541-73-1	1,3-DICHLOROBENZENE	10	10	10	3	U	
99-87-6	P-ISOPROPYLTOLUENE	10	150	10	3		
106-46-7	1,4-DICHLOROBENZENE	10	10	10	3	U	
104-51-8	N-BUTYLBENZENE	10	11	10	3		
95-50-1	1,2-DICHLOROBENZENE	10	10	10	3	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	20	20	4.4	U	
120-82-1	1,2,4-TRICHLOROBENZENE	10	10	10	3	U	
87-68-3	HEXACHLOROBUTADIENE	10	10	10	3	U	
91-20-3	NAPHTHALENE	10	110	10	3		
87-61-6	1,2,3-TRICHLOROBENZENE	10	10	10	3	U	

Data Package ID: VL1301283-1

Date Printed: Friday, February 01, 2013

ALS Environmental -- FC

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GC/MS Volatiles

Method SW8260_25C

Sample Results

Lab Name: ALS Environmental -- FC

Work Order Number: 1301283

Client Name: NMED Hazardous Waste Bureau

ClientProject ID: KAFB - BFF 1Q13

COC Number: 1211680

Field ID: 10610 - A
Lab ID: 1301283-1RR2

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 29-Jan-13
Date Extracted: 31-Jan-13
Date Analyzed: 31-Jan-13
Prep Method: SW5030 Rev C

Prep Batch: VL130131-3
QCBatchID: VL130131-3-1
Run ID: VL130131-3A
Cleanup: NONE
Basis: As Received
File Name: C43176

Analyst: Steven D. White
Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1

Analysis ReqCode: 101

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
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Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	272		250	109	85 - 115
1868-53-7	DIBROMOFLUOROMETHANE	231		250	92	84 - 118
2037-26-5	TOLUENE-D8	223		250	89	85 - 115

Data Package ID: VL1301283-1

Date Printed: Friday, February 01, 2013

ALS Environmental -- FC

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GC/MS Volatiles

Method SW8260_25C

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: ALS Environmental -- FC

Work Order Number: 1301283

Client Name: NMED Hazardous Waste Bureau

ClientProject ID: KAFB - BFF 1Q13

Lab ID: VL130131-3LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 01/31/2013
Date Analyzed: 01/31/2013
Prep Method: SW5030C

Prep Batch: VL130131-3
QCBatchID: VL130131-3-1
Run ID: VL130131-3A
Cleanup: NONE
Basis: N/A
File Name: C43163

Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
75-35-4	1,1-DICHLOROETHENE	10	10.1	1		101	77 - 119%
71-43-2	BENZENE	10	10.7	1		107	83 - 117%
79-01-6	TRICHLOROETHENE	10	9.17	1		92	83 - 117%
108-88-3	TOLUENE	10	9.89	1		99	82 - 113%
108-90-7	CHLOROBENZENE	10	8.55	1		86	81 - 113%

Lab ID: VL130131-3LCSD

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 01/31/2013
Date Analyzed: 01/31/2013
Prep Method: SW5030C

Prep Batch: VL130131-3
QCBatchID: VL130131-3-1
Run ID: VL130131-3A
Cleanup: NONE
Basis: N/A
File Name: C43164

Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	Result Qualifier	LCSD % Rec.	RPD Limit	RPD
75-35-4	1,1-DICHLOROETHENE	10	9.86	1		99	20	3
71-43-2	BENZENE	10	10.7	1		107	20	0
79-01-6	TRICHLOROETHENE	10	9.1	1		91	20	1
108-88-3	TOLUENE	10	10.1	1		101	20	2
108-90-7	CHLOROBENZENE	10	8.63	1		86	20	1

Data Package ID: VL1301283-1

GC/MS Volatiles

Method SW8260_25C

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: ALS Environmental -- FC

Work Order Number: 1301283

Client Name: NMED Hazardous Waste Bureau

ClientProject ID: KAFB - BFF 1Q13

Surrogate Recovery LCS/LCSD

CASNO	Target Analyte	Spike Added	LCS % Rec.	LCS Flag	LCSD % Rec.	LCSD Flag	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	25	109		109		85 - 115
1868-53-7	DIBROMOFLUOROMETHANE	25	91		92		84 - 118
2037-26-5	TOLUENE-D8	25	91		90		85 - 115

Data Package ID: VL1301283-1

Date Printed: Friday, February 01, 2013

ALS Environmental -- FC

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EDB Analysis

07-Feb-2013

Lance Steere
ALS Laboratory Group
225 Commerce Drive
Fort Collins, CO 80524

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

Re: 1301283, KAFB-BFF 1Q13

Work Order: 1302061

Dear Lance,

ALS Environmental received 1 sample on 01-Feb-2013 09:30 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 9.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Electronically approved by: Luke F. Hernandez

Sonia West
Project Manager



Certificate No: T104704231-12-10



Client: ALS Laboratory Group
Project: 1301283, KAFB-BFF 1Q13
Work Order: 1302061

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>
1302061-01	10610-B	Water	1301283	1/29/2013 10:33	2/1/2013 09:30	<input type="checkbox"/>

ALS Environmental

Date: 07-Feb-13

Client: ALS Laboratory Group
Project: 1301283, KAFB-BFF 1Q13
Work Order: 1302061

Case Narrative

No Exceptions

ALS Environmental

Date: 07-Feb-13

Client: ALS Laboratory Group
Project: 1301283, KAFB-BFF 1Q13
Sample ID: 10610-B
Collection Date: 1/29/2013 10:33 AM

Work Order: 1302061
Lab ID: 1302061-01
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
EDB-DBCP 1,2-Dibromoethane	0.067		SW8011 0.020	mg/L	Prep Date: 2/5/2013 1000	Analyst: NPI 2/6/2013 02:07 PM

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

ALS Environmental

Date: 07-Feb-13

Client: ALS Laboratory Group
 Work Order: 1302061
 Project: 1301283, KAFB-BFF 1Q13

QC BATCH REPORT

Batch ID: 67632 Instrument ID ECD_9 Method: SW8011

MBLK	Sample ID: EBLKW1-130205-67632	Units: µg/L		Analysis Date: 2/6/2013 11:40 AM						
Client ID:	Run ID: ECD_9_130206A	SeqNo: 3103852	Prep Date: 2/5/2013	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: ELCSW1-130205-67632	Units: µg/L		Analysis Date: 2/6/2013 12:05 PM						
Client ID:	Run ID: ECD_9_130206A	SeqNo: 3103853	Prep Date: 2/5/2013	DF: 1						
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dibromoethane	0.1845	0.020	0.2	0	92.2	60-140	0			

LCSD	Sample ID: ELCSDW1-130205-67632	Units: µg/L		Analysis Date: 2/6/2013 12:29 PM						
Client ID:	Run ID: ECD_9_130206A	SeqNo: 3103854	Prep Date: 2/5/2013	DF: 1						
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dibromoethane	0.1852	0.020	0.2	0	92.6	60-140	0.1845	0.373	20	

The following samples were analyzed in this batch: 1302061-01A

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

ALS Environmental

Date: 07-Feb-13

Client: ALS Laboratory Group
Project: 1301283, KAFB-BFF 1Q13
WorkOrder: 1302061

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/L	Milligrams per Liter

ALS Environmental

Sample Receipt Checklist

Client Name: **ALS CO**

Date/Time Received: **01-Feb-13 09:30**

Work Order: **1302061**

Received by: **PMG**

Checklist completed by Jahnnie B. Allen
eSignature

02-Feb-13
Date

Reviewed by: Sania West
eSignature

04-Feb-13
Date

Matrices: **water**

Carrier name: **FedEx Priority Overnight**

- 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):

Cooler(s)/Kit(s):

Date/Time sample(s) sent to storage:

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:

