



GC/MS Semivolatiles

SIMPAH

Case Narrative

NMED Hazardous Waste Bureau

KAFB – BFF 1Q12

Work Order Number: 1201305

1. This report consists of 1 water sample. The sample was received cool and intact by ALS on 01/25/12.
2. The sample was prepared and analyzed according to SW-846, 3rd Edition procedures. Specifically, the water sample was extracted using continuous liquid-liquid extractors, according to SW-846 Method 3520C utilizing SOP 617 Revision 14.
3. The extracts were analyzed using GC/MS with a DB-5MS capillary column according to SOP 506 Revision 19 based on SW-846 Method 8270D. The samples were analyzed using selective ion monitoring (SIM), in order to achieve lower reporting limits. 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 a limited number of major ions from the mass spectrum of the sample versus the daily calibration standard.
4. All initial calibration criteria were met. If average response factors were used in the initial calibration, %RSD was $\leq 20\%$. If linear or higher order regression calibrations were used in the initial calibration, the coefficient of determination (r^2) ≥ 0.99 .
5. All initial calibration standards are verified by comparing a second source standard initial calibration verification (ICV) against the calibration curve. All target compounds in the second source verification had a %D $\leq 30\%$.
6. All method blank criteria were met.
7. All laboratory control sample and laboratory control sample duplicate recoveries and RPDs were within the acceptance criteria.



8. 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.
9. The sample was extracted and analyzed within the established holding times.
10. All surrogate recoveries were within acceptance criteria.
11. All internal standard recoveries were within acceptance criteria.
12. Manual integrations are performed when needed to provide consistent and defensible data following the guidelines in SOP 939 Revision 4.

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 Hellickson
Emily Hellickson
Organics Primary Data Reviewer

31 Jan. 12
Date

Eric Bayless
Organics Final Data Reviewer

1/31/12
Date



ALS
Data Qualifier Flags
Chromatography and Mass Spectrometry

- U or ND:** This flag indicates that the compound was analyzed for but not detected.
- J:** This flag indicates an estimated value. This flag is used as follows: (1) when estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed; (2) when the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the reporting limit (RL) but greater than the method detection limit (MDL); (3) when the retention time data indicate the presence of a compound that meets the GC identification criteria, and the result is less than the RL but greater than the MDL; and (4) the reported value is estimated.
- B:** This flag is used when the analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user. This flag shall be used for a tentatively identified compound (TIC) as well as for a positively identified target compound.
- E:** This flag identifies compounds whose concentration exceeds the upper level of the calibration range.
- A:** This flag indicates that a tentatively identified compound is a suspected aldol-condensation product.
- X:** This flag indicates that the analyte was diluted below an accurate quantitation level.
- *:** This flag indicates that a spike recovery is equal to or outside the control criteria used.
- +:** This flag indicates that the relative percent difference (RPD) equals or exceeds the control criteria.

ALS Environmental -- FC

Sample Number(s) Cross-Reference Table

OrderNum: 1201305

Client Name: NMED Hazardous Waste Bureau

Client Project Name: KAFB - BFF 1Q12

Client Project Number:

Client PO Number: 20-667-00-16004

| Client Sample Number | Lab Sample Number | COC Number | Matrix | Date Collected | Time Collected |
|----------------------|-------------------|------------|--------|----------------|----------------|
| 106049-A | 1201305-1 | | WATER | 24-Jan-12 | 14:05 |
| 106049-B | 1201305-2 | | WATER | 24-Jan-12 | 14:09 |
| 106049-C | 1201305-3 | | WATER | 24-Jan-12 | 14:14 |
| 106049-D | 1201305-4 | | WATER | 24-Jan-12 | 14:18 |
| 106049-E | 1201305-5 | | WATER | 24-Jan-12 | 14:20 |
| 106049-F | 1201305-6 | | WATER | 24-Jan-12 | 14:22 |
| 106049-G | 1201305-7 | | WATER | 24-Jan-12 | 14:24 |
| 106049-H | 1201305-8 | | WATER | 24-Jan-12 | 14:25 |
| 106049-I | 1201305-9 | | WATER | 24-Jan-12 | 14:26 |
| 106049-J | 1201305-10 | | WATER | 24-Jan-12 | 14:28 |



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 # 1201305

| | | | | | | | |
|----------------|---------------------|-----------------|-----------------------|------------|---------|----------|----------------------------|
| PROJECT NAME | KAFB BFF AIR | SAMPLER | BLS | DATE | 1/24/12 | PAGE | 1 of 1 |
| PROJECT No. | | SITE ID | KAFB-106049 | TURNAROUND | Next m. | DISPOSAL | By Lab or Return to Client |
| COMPANY NAME | NMED | EDD FORMAT | | | | | |
| SEND REPORT TO | Brian Salem | PURCHASE ORDER | | | | | |
| ADDRESS | 5500 So. Arapaho NE | BILL TO COMPANY | NMED/HWS | | | | |
| CITY/STATE/ZIP | ABERDEEN 87109 | INVOICE ATTN TO | Dave Coburn | | | | |
| PHONE | 505-232-9576 | ADDRESS | 2905 Redwood Park Dr. | | | | |
| FAX | | CITY/STATE/ZIP | Santa Fe NM 87505 | | | | |
| E-MAIL | | PHONE | 505-476-6055 | | | | |
| | | FAX | | | | | |
| | | E-MAIL | | | | | |

| Lab ID | Field ID | Matrix | Sample Date | Sample Time | # Bottles | Pres. | QC |
|--------|------------|--------|-------------|-------------|-----------|-------|-------|
| 1 | 106049 - A | W | 1/24/12 | 14:05 | 3 | HCl | X VOC |
| 2 | 106049 - B | | | 14:09 | 3 | HCl | X VOC |
| 3 | 106049 - C | | | 14:14 | 3 | HCl | X VOC |
| 4 | 106049 - D | | | 14:18 | 1 | - | X VOC |
| 5 | 106049 - E | | | 14:20 | 1 | H2SO4 | X VOC |
| 6 | 106049 - F | | | 14:22 | 1 | - | X VOC |
| 7 | 106049 - G | | | 14:24 | 1 | H2SO4 | X VOC |
| 8 | 106049 - H | | | 14:25 | 1 | ZnAc | X VOC |
| 9 | 106049 - I | | | 14:26 | 1 | HNO3 | X VOC |
| 10 | 106049 - J | | | 14:28 | 1 | HNO3 | X VOC |

*Time Zone (Circle): EST CST (MS) 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:

5 of 12

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

| RELINQUISHED BY | SIGNATURE | PRINTED NAME | DATE | TIME |
|-----------------|---------------|---------------|---------|-------|
| RECEIVED BY | Brian Salem | Brian Salem | 1/24/12 | |
| RELINQUISHED BY | Laura Schmitz | Laura Schmitz | 1/25/12 | 10:10 |
| RECEIVED BY | | | | |
| RELINQUISHED BY | | | | |
| RECEIVED BY | | | | |



CONDITION OF SAMPLE UPON RECEIPT FORM

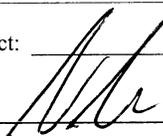
Client: NMED
Project Manager: LRS

Workorder No: 1201305
Initials: LAS Date: 1/25/12

| | | | |
|---|---------------------------------------|--------------------------------------|-------------------------------------|
| 1. Does this project require any special handling in addition to standard Paragon 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) | N/A | <input checked="" type="radio"/> YES | NO |
| 9. Are all aqueous non-preserved samples pH 4-9 ? | N/A | <input checked="" type="radio"/> 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 |
| 13. Were all sample containers received intact ? (not broken or leaking, etc.) | | <input checked="" type="radio"/> YES | NO |
| 14. Are all samples requiring no headspace (VOC, GRO, RSK/MEE, Rx CN/S, radon) headspace free? Size of bubble: <u> </u> < green pea <u> </u> > green pea | N/A | <input checked="" type="radio"/> YES | NO |
| 15. Do perchlorate LCMS-MS samples have headspace ? (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 residual chlorine ? (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 shipped on ice ? | | <input checked="" type="radio"/> YES | NO |
| 18. 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>2.6</u> | | | |
| No. of custody seals on cooler: <u>2</u> | | | |
| External µR/hr reading: <u>14</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.

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

Project Manager Signature / Date:  1/26/12

FedEx Tracking Number

8762 4637 7470

0200 Form ID No.

(201305) FedEx Retrieval Copy

From
 Date 1-24-12 Sender's FedEx Account Number
 Sender's Name Brian Salem Phone 505 222-9576
 Company NMED / HWB
 Address 5500 San Antonio NE
 City ABQ State NM ZIP 87109

Your Internal Billing Reference
 To Recipient's Name Lance Steere Phone 970 490-1511
 Company ALS Labs
 Address 225 Commerce Pr.
 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 7470

4 Express Package Service * To most locations. 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.

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 may sign for recipient's address 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.

Does this shipment contain dangerous goods? One box must be checked.
 No 04 Yes
 As per attached Shipper's Declaration. Yes No
 Declaration required. Yes No
 Dangerous goods (including Dry Ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box. Dry Ice Cargo Aircraft Only

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below. Obtain receipt Acct. No.

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

Total Packages 1 Total Weight 45 lbs. Credit Card Auth. 612

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

GC/MS Semi-volatiles

Method SW8270SIMPAHD

Method Blank

Lab Name: ALS Environmental -- FC

Work Order Number: 1201305

Client Name: NMED Hazardous Waste Bureau

ClientProject ID: KAFB - BFF 1Q12

Lab ID: EX120126-5MB

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 26-Jan-12

Date Analyzed: 27-Jan-12

Prep Batch: EX120126-5

QCBatchID: EX120126-5-1

Run ID: SV120127-2

Cleanup: NONE

Basis: N/A

File Name: P14453

Sample Aliquot: 1000 ml

Final Volume: 1 ml

Result Units: UG/L

Clean DF: 1

| CASNO | Target Analyte | DF | Result | Reporting Limit | MDL | Result Qualifier | EPA Qualifier |
|----------|------------------------|----|--------|-----------------|-------|------------------|---------------|
| 91-20-3 | NAPHTHALENE | 1 | 0.1 | 0.1 | 0.033 | U | |
| 91-57-6 | 2-METHYLNAPHTHALENE | 1 | 0.1 | 0.1 | 0.033 | U | |
| 90-12-0 | 1-METHYLNAPHTHALENE | 1 | 0.1 | 0.1 | 0.033 | U | |
| 208-96-8 | ACENAPHTHYLENE | 1 | 0.1 | 0.1 | 0.033 | U | |
| 83-32-9 | ACENAPHTHENE | 1 | 0.1 | 0.1 | 0.033 | U | |
| 86-73-7 | FLUORENE | 1 | 0.1 | 0.1 | 0.033 | U | |
| 85-01-8 | PHENANTHRENE | 1 | 0.1 | 0.1 | 0.033 | U | |
| 120-12-7 | ANTHRACENE | 1 | 0.1 | 0.1 | 0.033 | U | |
| 206-44-0 | FLUORANTHENE | 1 | 0.1 | 0.1 | 0.033 | U | |
| 129-00-0 | PYRENE | 1 | 0.1 | 0.1 | 0.033 | U | |
| 56-55-3 | BENZO(A)ANTHRACENE | 1 | 0.1 | 0.1 | 0.033 | U | |
| 218-01-9 | CHRYSENE | 1 | 0.1 | 0.1 | 0.033 | U | |
| 205-99-2 | BENZO(B)FLUORANTHENE | 1 | 0.1 | 0.1 | 0.033 | U | |
| 207-08-9 | BENZO(K)FLUORANTHENE | 1 | 0.1 | 0.1 | 0.033 | U | |
| 50-32-8 | BENZO(A)PYRENE | 1 | 0.1 | 0.1 | 0.033 | U | |
| 193-39-5 | INDENO(1,2,3-CD)PYRENE | 1 | 0.1 | 0.1 | 0.033 | U | |
| 53-70-3 | DIBENZO(A,H)ANTHRACENE | 1 | 0.1 | 0.1 | 0.033 | U | |
| 191-24-2 | BENZO(G,H,I)PERYLENE | 1 | 0.1 | 0.1 | 0.033 | U | |

Surrogate Recovery

| CASNO | Surrogate Analyte | Result | Flag | Spike Amount | Percent Recovery | Control Limits |
|-----------|-------------------|--------|------|--------------|------------------|----------------|
| 321-60-8 | 2-FLUOROBIPHENYL | 1.63 | | 2 | 81 | 21 - 106 |
| 4165-60-0 | NITROBENZENE-D5 | 1.68 | | 2 | 84 | 34 - 111 |
| 1718-51-0 | TERPHENYL-D14 | 1.63 | | 2 | 82 | 33 - 111 |

Data Package ID: SV1201305-1

Date Printed: Tuesday, January 31, 2012

ALS Environmental -- FC

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LIMS Version: 6.560

GC/MS Semi-volatiles

Method SW8270SIMPAMD

Sample Results

Lab Name: ALS Environmental -- FC

Work Order Number: 1201305

Client Name: NMED Hazardous Waste Bureau

ClientProject ID: KAFB - BFF 1Q12

Field ID: 106049-D

Lab ID: 1201305-4

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 24-Jan-12

Date Extracted: 26-Jan-12

Date Analyzed: 27-Jan-12

Prep Method: SW3520BN Rev C

Prep Batch: EX120126-5

QC Batch ID: EX120126-5-1

Run ID: SV120127-2

Cleanup: NONE

Basis: As Received

File Name: P14456

Sample Aliquot: 1045 ml

Final Volume: 1 ml

Result Units: UG/L

Clean DF: 1

Analysis ReqCode: 156

| CASNO | Target Analyte | Dilution Factor | Result | Reporting Limit | MDL | Result Qualifier | EPA Qualifier |
|----------|------------------------|-----------------|--------|-----------------|-------|------------------|---------------|
| 91-20-3 | NAPHTHALENE | 1 | 0.096 | 0.096 | 0.032 | U | |
| 91-57-6 | 2-METHYLNAPHTHALENE | 1 | 0.096 | 0.096 | 0.032 | U | |
| 90-12-0 | 1-METHYLNAPHTHALENE | 1 | 0.096 | 0.096 | 0.032 | U | |
| 208-96-8 | ACENAPHTHYLENE | 1 | 0.096 | 0.096 | 0.032 | U | |
| 83-32-9 | ACENAPHTHENE | 1 | 0.096 | 0.096 | 0.032 | U | |
| 86-73-7 | FLUORENE | 1 | 0.096 | 0.096 | 0.032 | U | |
| 85-01-8 | PHENANTHRENE | 1 | 0.096 | 0.096 | 0.032 | U | |
| 120-12-7 | ANTHRACENE | 1 | 0.096 | 0.096 | 0.032 | U | |
| 206-44-0 | FLUORANTHENE | 1 | 0.096 | 0.096 | 0.032 | U | |
| 129-00-0 | PYRENE | 1 | 0.096 | 0.096 | 0.032 | U | |
| 56-55-3 | BENZO(A)ANTHRACENE | 1 | 0.096 | 0.096 | 0.032 | U | |
| 218-01-9 | CHRYSENE | 1 | 0.096 | 0.096 | 0.032 | U | |
| 205-99-2 | BENZO(B)FLUORANTHENE | 1 | 0.096 | 0.096 | 0.032 | U | |
| 207-08-9 | BENZO(K)FLUORANTHENE | 1 | 0.096 | 0.096 | 0.032 | U | |
| 50-32-8 | BENZO(A)PYRENE | 1 | 0.096 | 0.096 | 0.032 | U | |
| 193-39-5 | INDENO(1,2,3-CD)PYRENE | 1 | 0.096 | 0.096 | 0.032 | U | |
| 53-70-3 | DIBENZO(A,H)ANTHRACENE | 1 | 0.096 | 0.096 | 0.032 | U | |
| 191-24-2 | BENZO(G,H,I)PERYLENE | 1 | 0.096 | 0.096 | 0.032 | U | |

Data Package ID: SV1201305-1

Date Printed: Tuesday, January 31, 2012

ALS Environmental -- FC

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LIMS Version: 6.560

GC/MS Semi-volatiles

Method SW8270SIMPAHD

Sample Results

Lab Name: ALS Environmental -- FC

Work Order Number: 1201305

Client Name: NMED Hazardous Waste Bureau

ClientProject ID: KAFB - BFF 1Q12

| | |
|-----------|-----------|
| Field ID: | 106049-D |
| Lab ID: | 1201305-4 |

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 24-Jan-12

Date Extracted: 26-Jan-12

Date Analyzed: 27-Jan-12

Prep Method: SW3520BN Rev C

Prep Batch: EX120126-5

QC Batch ID: EX120126-5-1

Run ID: SV120127-2

Cleanup: NONE

Basis: As Received

File Name: P14456

Sample Aliquot: 1045 ml

Final Volume: 1 ml

Result Units: UG/L

Clean DF: 1

Analysis ReqCode: 156

| CASNO | Target Analyte | Dilution Factor | Result | Reporting Limit | MDL | Result Qualifier | EPA Qualifier |
|-------|----------------|-----------------|--------|-----------------|-----|------------------|---------------|
|-------|----------------|-----------------|--------|-----------------|-----|------------------|---------------|

Surrogate Recovery

| CASNO | Surrogate Analyte | Result | Flag | Spike Amount | Percent Recovery | Control Limits |
|-----------|-------------------|--------|------|--------------|------------------|----------------|
| 321-60-8 | 2-FLUOROBIPHENYL | 1.48 | | 1.91 | 78 | 21 - 106 |
| 4165-60-0 | NITROBENZENE-D5 | 1.55 | | 1.91 | 81 | 34 - 111 |
| 1718-51-0 | TERPHENYL-D14 | 1.72 | | 1.91 | 90 | 33 - 111 |

Data Package ID: SV1201305-1

GC/MS Semi-volatiles

Method SW8270SIMPAMD

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: ALS Environmental -- FC

Work Order Number: 1201305

Client Name: NMED Hazardous Waste Bureau

ClientProject ID: KAFB - BFF 1Q12

Lab ID: EX120126-5LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 01/26/2012
Date Analyzed: 01/27/2012
Prep Method: SW3520BNC

Prep Batch: EX120126-5
QCBatchID: EX120126-5-1
Run ID: SV120127-2
Cleanup: NONE
Basis: N/A
File Name: P14454

Sample Aliquot: 1000 ml
Final Volume: 1 ml
Result Units: UG/L
Clean DF: 1

| CASNO | Target Analyte | Spike Added | LCS Result | Reporting Limit | Result Qualifier | LCS % Rec. | Control Limits |
|----------|------------------------|-------------|------------|-----------------|------------------|------------|----------------|
| 91-20-3 | NAPHTHALENE | 2 | 1.53 | 0.1 | | 76 | 39 - 102% |
| 91-57-6 | 2-METHYLNAPHTHALENE | 2 | 1.47 | 0.1 | | 73 | 46 - 104% |
| 208-96-8 | ACENAPHTHYLENE | 2 | 1.6 | 0.1 | | 80 | 50 - 107% |
| 83-32-9 | ACENAPHTHENE | 2 | 1.51 | 0.1 | | 75 | 47 - 108% |
| 86-73-7 | FLUORENE | 2 | 1.52 | 0.1 | | 76 | 50 - 112% |
| 85-01-8 | PHENANTHRENE | 2 | 1.49 | 0.1 | | 74 | 51 - 117% |
| 120-12-7 | ANTHRACENE | 2 | 1.66 | 0.1 | | 83 | 54 - 112% |
| 206-44-0 | FLUORANTHENE | 2 | 1.66 | 0.1 | | 83 | 54 - 116% |
| 129-00-0 | PYRENE | 2 | 1.57 | 0.1 | | 79 | 49 - 128% |
| 56-55-3 | BENZO(A)ANTHRACENE | 2 | 1.56 | 0.1 | | 78 | 56 - 109% |
| 218-01-9 | CHRYSENE | 2 | 1.58 | 0.1 | | 79 | 55 - 109% |
| 205-99-2 | BENZO(B)FLUORANTHENE | 2 | 1.87 | 0.1 | | 94 | 46 - 118% |
| 207-08-9 | BENZO(K)FLUORANTHENE | 2 | 1.68 | 0.1 | | 84 | 45 - 124% |
| 50-32-8 | BENZO(A)PYRENE | 2 | 1.76 | 0.1 | | 88 | 53 - 110% |
| 193-39-5 | INDENO(1,2,3-CD)PYRENE | 2 | 1.8 | 0.1 | | 90 | 43 - 125% |
| 53-70-3 | DIBENZO(A,H)ANTHRACENE | 2 | 1.82 | 0.1 | | 91 | 42 - 127% |
| 191-24-2 | BENZO(G,H,I)PERYLENE | 2 | 1.74 | 0.1 | | 87 | 38 - 123% |

Data Package ID: SV1201305-1

Date Printed: Tuesday, January 31, 2012

ALS Environmental -- FC

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LIMS Version: 6.560

GC/MS Semi-volatiles

Method SW8270SIMPAMD

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: ALS Environmental -- FC

Work Order Number: 1201305

Client Name: NMED Hazardous Waste Bureau

ClientProject ID: KAFB - BFF 1Q12

Lab ID: EX120126-5LCSD

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 01/26/2012
Date Analyzed: 01/27/2012
Prep Method: SW3520BNC

Prep Batch: EX120126-5
QCBatchID: EX120126-5-1
Run ID: SV120127-2
Cleanup: NONE
Basis: N/A
File Name: P14455

Sample Aliquot: 1000 ml
Final Volume: 1 ml
Result Units: UG/L
Clean DF: 1

| CASNO | Target Analyte | Spike Added | LCSD Result | Reporting Limit | Result Qualifier | LCSD % Rec. | RPD Limit | RPD |
|----------|------------------------|-------------|-------------|-----------------|------------------|-------------|-----------|-----|
| 91-20-3 | NAPHTHALENE | 2 | 1.6 | 0.1 | | 80 | 20 | 4 |
| 91-57-6 | 2-METHYLNAPHTHALENE | 2 | 1.57 | 0.1 | | 78 | 20 | 7 |
| 208-96-8 | ACENAPHTHYLENE | 2 | 1.68 | 0.1 | | 84 | 20 | 5 |
| 83-32-9 | ACENAPHTHENE | 2 | 1.58 | 0.1 | | 79 | 20 | 5 |
| 86-73-7 | FLUORENE | 2 | 1.6 | 0.1 | | 80 | 20 | 5 |
| 85-01-8 | PHENANTHRENE | 2 | 1.51 | 0.1 | | 76 | 20 | 2 |
| 120-12-7 | ANTHRACENE | 2 | 1.71 | 0.1 | | 86 | 20 | 3 |
| 206-44-0 | FLUORANTHENE | 2 | 1.73 | 0.1 | | 86 | 20 | 4 |
| 129-00-0 | PYRENE | 2 | 1.68 | 0.1 | | 84 | 20 | 7 |
| 56-55-3 | BENZO(A)ANTHRACENE | 2 | 1.64 | 0.1 | | 82 | 20 | 5 |
| 218-01-9 | CHRYSENE | 2 | 1.63 | 0.1 | | 82 | 20 | 4 |
| 205-99-2 | BENZO(B)FLUORANTHENE | 2 | 1.89 | 0.1 | | 95 | 20 | 1 |
| 207-08-9 | BENZO(K)FLUORANTHENE | 2 | 1.81 | 0.1 | | 90 | 20 | 7 |
| 50-32-8 | BENZO(A)PYRENE | 2 | 1.85 | 0.1 | | 93 | 20 | 5 |
| 193-39-5 | INDENO(1,2,3-CD)PYRENE | 2 | 1.86 | 0.1 | | 93 | 20 | 3 |
| 53-70-3 | DIBENZO(A,H)ANTHRACENE | 2 | 1.88 | 0.1 | | 94 | 20 | 4 |
| 191-24-2 | BENZO(G,H,I)PERYLENE | 2 | 1.81 | 0.1 | | 90 | 20 | 4 |

Surrogate Recovery LCS/LCSD

| CASNO | Target Analyte | Spike Added | LCS % Rec. | LCS Flag | LCSD % Rec. | LCSD Flag | Control Limits |
|-----------|------------------|-------------|------------|----------|-------------|-----------|----------------|
| 321-60-8 | 2-FLUOROBIPHENYL | 2 | 76 | | 80 | | 21 - 106 |
| 4165-60-0 | NITROBENZENE-D5 | 2 | 82 | | 87 | | 34 - 111 |
| 1718-51-0 | TERPHENYL-D14 | 2 | 83 | | 87 | | 33 - 111 |

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