ANALYTICAL SUMMARY DATA PACKAGE
SDG # KIRTLAND_007

PROJECT NAME: KIRTLAND AFB 2011
PROJECT LOCATION: ALBUQUERQUE, NEW MEXICO

SUBMITTAL TO:
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SHAW E&I
7604 Technology Way, Suite 300
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SUBMITTAL BY:
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Original Report Date: April 28, 2011
Report Revision #: N/A
Revision Date: N/A
Total # of Pages: 514

THIS DOCUMENT MEETS DoD QSM 4.1 STANDARDS

The results relate to only the samples associated with the referenced SDG and the submitted data has been produced in accordance with laboratory procedures. The Laboratory's Technical Lab Director, Mr. Rick Davis, is responsible for the final data produced and reported. His signature is listed at the end of the Case Narrative within the Analytical Data Package. If applicable to this report package, details on report revisions and the information on subcontracted analysis are listed in the package Case Narrative. This report shall not be reproduced, except in full, without the written approval of Empirical Laboratories, LLC.

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Sample Delivery Group Case Narrative

Receipt Information
The samples were received within the preservation guidelines for the associated methods. The information associated with sample receipt and the Sample Delivery Group (SDG) are included within section 4 of this package, which also provides information on the link between the client sample ID listed on the COC and laboratory's assigned unique sample ID or WorkOrder #. The sample is tracked through the laboratory for all analysis via the assigned WorkOrder #.

All samples that were received were analyzed and none of the samples were placed on hold without analyses. There were no subcontracted analyses for this SDG.

Changes to the Revision
This is an original submittal of the final report package.

Analytical Information
All samples were prepped (where applicable) and analyzed within the standard allowed holding times, unless noted within the exceptions listed below. The laboratory analyzed all samples within the program and method guidelines. The following information is provided specific to individual methods:

Chromatographic Flags for Manual Integration:
The following letters are used to denote manual integrations on the laboratory's raw data in association with chromatographic integrations:

A: The peak was manually integrated as it was not integrated in the original chromatogram.
B: The peak was manually integrated due to resolution or coelution issues in the original chromatogram.
C: The peak was manually integrated to correct the baseline from the original chromatogram.
D: The peak was manually integrated to identify the correct peak as the wrong peak was identified in the original chromatogram.
E: The peak was manually integrated to include the entire peak as the original chromatogram only integrated part of the peak.

SW8260B:
The batch spike duplicate associated to batch 1D06007 exceeded criteria with a positive bias for Acetone, 2-Hexanone, 2-Butanone, and 4-Methyl-2-pentanone. The batch spikes associated to batch 1D16007 exceeded recovery criteria with a positive bias for Chloroethane and exceeded relative percent difference criteria for Chloromethane.

The method blank 1D16007-BLK1 has a positive result for Hexachlorobutadiene.

The continuing calibration verifications exceeded criteria in 1D09704 with a negative

bias for Bromomethane and with a positive bias for Cis-1,3-Dichloropropene, in 1D09804-CCV1 with a positive bias for Bromoform and 1,2,3-Trichlorobenzne and with a negative bias for Bromomethane, in 1D10205-CCV1 with a positive bias for 2-Hexanone and with a negative bias for Vinyl Chloride, in 1D10504-CCV1 with a negative bias for Bromomethane and with a positive bias for Chloroethane, 2-Hexanone, and 4-Methyl-2-pentanone, and in 1D10914-CCV1 with a negative bias for Bromomethane and Chloromethane and with a positive bias for 2,2-Dichloropropane.

No additional anomalies or deviations are noted and the proper data qualifiers have been applied.

SW8270C BNA:
The batch spike associated to batch 1D05010 exceeded recovery criteria with a positive bias for Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Dibenz(a,h)anthracene, Di-n-octylphthalate, Indeno(1,2,3-cd)pyrene, 2-Nitroaniline, and 4-Nitroaniline, exceeded recovery criteria with a negative bias for Caprolactam, and exceeded relative percent difference criteria for Di-n-octylphthalate. The batch spike associated to batch 1D08005 exceeded criteria with a negative bias for Caprolactam and Hexachloroethane and exceeded criteria with a positive bias for Di-n-octylphthalate and 4-Nitroaniline. The batch spikes associated to batch 1D11005 exceeded criteria with a negative bias for Caprolactam, Hexachloroethane, and Hexachlorobutadiene.

The continuing calibration verifications exceeded criteria in 1D10111-CCV1 with a negative bias for Benzaldehyde and with a positive bias for Benzo(g,h,i)perylene, 2-Chloronaphthalene, Dibenz(a,h)anthracene, 4,6-Dinitro-2-methylphenol, 2,4-Dinitrophenol, Indeno(1,2,3-cd)pyrene, 4-Nitroaniline, 2-Nitroaniline, and 4-Nitrophenol, in 1D10112-CCV1 with a negative bias for Benzaldehyde and with a positive bias for Benzo(b)fluoranthene, Benzo(g,h,i)perylene, 2-Chloronaphthalene, Dibenz(a,h)anthracene, 4,6-Dinitro-2-methylphenol, 2,4-Dinitrophenol, Hexachlorocyclopentadiene, 4-Nitroaniline, and 2-Nitroaniline, in 1D10116-CCV1 with a negative bias for Atrazine and Benzaldehyde and with a positive bias for Benzidine, Butylbenzylphthalate, 4,6-Dinitro-2-methylphenol, Di-n-octylphthalate, 1,2-Diphenylhydrazine, 4-Nitroaniline, and 2-Nitroaniline, in 1D10213-CCV1 with a negative bias for Benzaldehyde and with a positive bias for Benzo(b)fluoranthene, Benzo(k)fluoranthene, Carbazole, 2-Chloronaphthalene, 4,6-Dinitro-2-methylphenol, 2,4-Dinitrophenol, Di-n-octylphthalate, 4-Nitroaniline, and 2-Nitroaniline, and in 1D10408-CCV1 with a negative bias for 3,3'-Dichlorobenzidine, Benzaldehyde, and 1,1'-Biphenyl and with a positive bias for 2-Chloronaphthalene, 2-Nitroaniline, 4,6-Dinitro-2-methylphenol, and 2,4,6-Tribromophenol.

No additional anomalies or deviations are noted and the proper data qualifiers have been applied.

SW8015B GRO:
No anomalies or deviations are noted.

SW8015B DRO:
No anomalies or deviations are noted.

SW8011 EDB:
Samples 1104024-01, -03, 1104086-01, and -03 and batch QC associated to batch 1D09902 were reported from column 2 alone. There were no positive results requiring confirmation.

The continuing calibration verifications 1D11037-CCV1 and –CCV2 exceeded criteria with a positive bias on column 2 for 1,2-Dibromoethane.

No additional anomalies or deviations are noted and the proper data qualifiers have been applied.

SW6010B:
No anomalies or deviations are noted.

Wet Chemistry:
No anomalies or deviations are noted.

Data Qualifiers
As applicable and where required, the following general qualifiers are associated with the sample results. Additional qualifiers will be specified within the reporting sections of the data package or within the body of the Case Narrative.

Analytical Report Terms and Qualifiers

MDL: The method detection limit (MDL) is defined as the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. The MDL is determined from analysis of a sample containing the analyte in a given matrix. For DoD QSM 4.1 reporting purposes, this definition is also applied to the reported Detection Limit (DL).

LOD: The Limit of Detection is an estimate of the minimum amount of a substance that an analytical process can reliably detect. An LOD is analyte- and matrix-specific and may be laboratory-dependent. This definition is further clarified in the DoD QSM 4.1 revisions as the smallest amount or concentration of a substance that must be present in a sample in order to be detected at a high level of confidence (99%). At the LOD, the false negative rate (Type II error) is 1%.

LOQ: The Limit of Quantitation is the minimum level, concentration, or quantity of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. This term is further clarified within the DoD QSM 4.1 as the lowest concentration that produces a quantitative result within specified limits of precision and bias.

*****: An exceeding quality control criteria is associated with the reported result.

B: The presence of a "B" to the right of an analytical value indicates that this compound was also detected in the method blank and the data should be interpreted with caution. One should consider the possibility that the correct sample result might be less than the reported result and, perhaps, zero.

D: When a sample (or sample extract) is rerun diluted because one of the compound concentrations exceeded the highest concentration range for the standard curve, all of the values obtained in the dilution run will be flagged with a "D".

E: The concentration for any compound found which exceeds the highest concentration level on the standard curve for that compound will be flagged with an "E". Usually the sample will be rerun at a dilution to quantitate the flagged compound.

H1: The result was analyzed outside of the EPA recommended holding time.

H2: The result was extracted outside of the EPA recommended holding time.

H3: The sample for this analyte was received outside of the EPA recommended holding time.

J: The presence of a "J" to the right of an analytical result indicates that the reported result is estimated. The mass spectral data pass the identification criteria showing that the compound is present, but the calculated result is less than the EQL. One should feel confident that the result is greater than zero and less than the EQL.

M: Indicates that the sample matrix interfered with the quantitation of the analyte. In dual column analysis the result is reported from the column with the lower concentration. In inorganics, it indicates that the parameters MDL/RL has been raised.

N: The MS/MSD accuracy and/or precision are outside criteria. The predigested spike recovery is not within control limits for the associated parameter.

P: The associated numerical value is an estimated quantity. There is greater than a 40% difference between the two GC columns for the detected concentrations. The higher of the two values is reported unless matrix interference is obvious or for HPLC analysis where the primary column is reported.

Q: The RPD and/or percent recovery exceeded limits in the associated Blank Spike and/or Blank Spike Duplicate.

S: The associated internal standard failed criteria.

U: The presence of a "U" indicates that the analyte was analyzed for but was not detected or the concentration of the analyte quantitated below the DL.

X: The parameter shows a potential positive bias on a reported concentration due to an ICV or CCV exceeding the upper control limit on the high side.

Y: The parameter shows a potential negative bias on a reported concentration due to an ICV or CCV exceeding the lower control limit on the low side.

Z: The parameter shows lack of confirmation/detection, which may be due to a negative bias in the ICV or CCV which exceeds the lower control limit.

LIMS Definitions / Naming Conventions:

The following are general naming conventions that are used throughout the laboratory; however, on a method by method basis, there are additional QAQC items that are named in a consistent format.

BLK: LIMS assigns a unique identifier to the Method Blank by naming it as the letters BLK appended to the Batch ID. A Method Blank is an analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The Method Blank is used to assess for possible contamination during preparation and/or analysis steps. Method Blanks within a Batch or Analytical sequence will be appended with a numerical value beginning with 1 that will increase incrementally.

BS: LIMS assigns a unique identifier to the Blank Spike by naming it as the letters BS appended to the Batch ID. The Blank Spike or Lab Control Sample is a controlled analyte-free matrix, which is spiked with known and verified concentrations of target analytes. Spiking concentrations can be referenced in the method SOP. The BS is used to evaluate the viability of analytes taken through the entire prep (when applicable) and analytical process. Blank Spikes within a Batch or Analytical sequence will be appended with a numerical value beginning with 1 that will increase incrementally. A duplicate Blank Spike will be designated as a BSD.

MS: The LIMS assigns each Client sample with a unique identifier. The Matrix Spike is designated with a MS at the end of the sample's unique identifier. The Matrix Spike sample is used to assess the effect of the sample matrix on the precision and accuracy of the results generated using the selected method. A duplicate Matrix Spike will be designated as a MSD.

IDs: The LIMS assigns each Client sample with a unique identifier. The letter "RE" may potentially be appended to the end of the LIMS Sample ID. And "**RE"** implies that the sample was either re-prepped, re-analyzed straight, or re-analyzed at a dilution. Subsequent re-analysis for the sample will be appended with a numerical value beginning with 1 that will increase incrementally. Eg: RE1, RE2, RE3, etc.

Statement of Data Authenticity:
I certify that, based upon my inquiry of those individuals immediately responsible for obtaining the information and to the best of my knowledge, the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, with the exception of the conditions detailed in this Case Narrative, as verified by my signature below. During absences, Ms. Marcia K. McGinnity is authorized to sign this Statement of Data Authenticity.

Mr. Rick D. Davis
Laboratory Technical Director / VP Operations

Organic Calculations:

GC/MS Volatiles

$$\text{Final Concentration} = \frac{\text{On-column(ug/L or ug/Kg)} * \text{Expected Vol/Weight (mL or g)} * \text{Dilution}}{\text{Initial Vol/Weight (mL or g)} * \text{(Percent Solids/100) (if applicable)}}$$

Note - Expected Vol/Weight value is found in "Final Vol" column of Preparation Batch Summary.

GC/MS Extractables

$$\text{Final Concentration} = \frac{\text{On-column(ng/uL)} * \text{Final Vol (ml)} * \text{Dilution} *(1000\text{uL/mL})}{\text{Initial Vol/Weight (mL or g)} * \text{(Percent Solids/100) (if applicable)}}$$

= ng/mL or ng/g
= ug/L or ug/kg

GC or LC Extractables

$$\text{Final Concentration} = \frac{\text{On-column(ng/mL)} * \text{Final Vol (mL)} * \text{Dilution}}{\text{Initial Vol/Weight (mL or g)} * \text{(Percent Solids/100) (if applicable)}}$$

= ng/mL or ng/g
= ug/L or ug/kg

Sample Receipt Information

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: GW022-140705

11

Project Number: 140705
Project Name: Kirtland AFB
Sample Coordinator: Mark Lyon
Turnaround Time:

Samples Shipment Date: 04 APR 2011
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Kim Kostzer
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/872642681714

Bill To: Shaw Environmental, Inc. - Accounts P
PO Box 98519
Baton Rouge LA 70884

Report To: Pamela Moss
7604 Technology Way, Suite 300
Denver CO 80237

Special Instructions:

Possible Hazard Indentification:
Non-hazard Y Flammable Skin Irritant Poison B Radiological Unknown

Sample Disposal:
Return to Client Disposal by Lab X Archive (mos.)

1. Relinquished By (Signature/Affiliation) [signature] SHAW Env — Date: 4/4/11 Time: 1510
2. Relinquished By (Signature/Affiliation) — Date: Time:
3. Relinquished By (Signature/Affiliation) — Date: Time:

1. Received By (Signature/Affiliation) — Date: Time:
2. Received By (Signature/Affiliation) — Date: Time:
3. Received By (Signature/Affiliation) [signature] — Date: 4-5-11 Time: 08:30

2.5 °C

Comments:

1104024

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-01 GW0047	KAFB1067-GW-GW0047-REG	04 APR 2011	10:01	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
GW0047	KAFB1067-GW-GW0047-REG	04 APR 2011	10:01	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0047	KAFB1067-GW-GW0047-REG	04 APR 2011	10:01	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0047	KAFB1067-GW-GW0047-REG	04 APR 2011	10:01	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0047	KAFB1067-GW-GW0047-REG	04 APR 2011	10:01	1000 mL A GLASS	2	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
-02 GW0047	KAFB1067-GW-GW0047-REG	04 APR 2011	10:01	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
-01 GW0047	KAFB1067-GW-GW0047-REG	04 APR 2011	10:01	250 mL HDPE	1	H2SO4<pH 2	Ammonia by SM4500B,D			N		

KIRTLAND_007 Summ Package

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Shaw E & I, Inc.

1104024

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: GW022-140705

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-01 GW0047	KAFB1067-GW-GW0047-REG	04 APR 2011	10:01	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
GW0047	KAFB1067-GW-GW0047-REG	04 APR 2011	10:01	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
GW0047	KAFB1067-GW-GW0047-REG	04 APR 2011	10:01	250 mL HDPE	1	None except cool to 4 C	Chloride, Nitrate, and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0047	KAFB1067-GW-GW0047-REG	04 APR 2011	10:01	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
-04 GW0069	KAFB10627-GW-GW0069-REG	04 APR 2011	13:52	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
-03 GW0069	KAFB10627-GW-GW0069-REG	04 APR 2011	13:52	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0069	KAFB10627-GW-GW0069-REG	04 APR 2011	13:52	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0069	KAFB10627-GW-GW0069-REG	04 APR 2011	13:52	1000 mL A GLASS	2	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0069	KAFB10627-GW-GW0069-REG	04 APR 2011	13:52	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0069	KAFB10627-GW-GW0069-REG	04 APR 2011	13:52	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
-04 GW0069	KAFB10627-GW-GW0069-REG	04 APR 2011	13:52	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
-03 GW0069	KAFB10627-GW-GW0069-REG	04 APR 2011	13:52	250 mL HDPE	1	None except cool to 4 C	Chloride, Nitrate, and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0069	KAFB10627-GW-GW0069-REG	04 APR 2011	13:52	250 mL HDPE	1	H2SO4<pH 2	Ammonia by SM4500B,D			N		
GW0069	KAFB10627-GW-GW0069-REG	04 APR 2011	13:52	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
GW0069	KAFB10627-GW-GW0069-REG	04 APR 2011	13:52	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
-05 GW8022-TB	FIELDQC-BW-GW8022-TB-TB	04 APR 2011	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 1104024 Number of Coolers: 1 of 1

Client: Shaw E&I Project: Kirtland AFB

Date/Time Received: 4-5-11/08:30 Date cooler(s) opened: 4-5-11

Opened By (print): Chris Donald (signature): [signature]

Circle response below as appropriate

1. How did the samples arrive? FedEx UPS DHL Hand Delivered
   EL Courier Other: _____

If applicable, enter airbill number here: 1714

2. Were custody seals on outside of cooler(s)? ..... Yes No

How many: 1 Seal date: 4-4-11 Seal Initials: ?

3. Were custody seals unbroken and intact at the date and time of arrival?	Yes	No	N/A
4. Were custody papers sealed in a plastic bag included in the sample cooler?	Yes	No	N/A
5. Were custody papers filled out properly (ink, signed, etc.)?	Yes	No	N/A
6. Did you sign custody papers in the appropriate place for acceptance?	Yes	No	N/A
7. Was project identifiable from custody papers?	Yes	No	N/A
8. If required, was enough ice present in the cooler(s)?	Yes	No	N/A

Type of Coolant: WET DRY BLUE NONE

Temperature of Samples upon Receipt: Initial Value: 2.8 °C Correction Factor: -0.3 °C Final Value: 2.5 °C

Dates samples were logged-in: 4-5-11

9. Initial this form to acknowledge login of sample(s): (Name): Chris Donald (Initial): CD

10. Were all bottle lids intact and sealed tightly?	Yes	No	N/A
11. Did all bottles arrive unbroken?	Yes	No	N/A
12. Was all required bottle label information complete?	Yes	No	N/A
13. Did all bottle labels agree with custody papers?	Yes	No	N/A
14. Were correct containers used for the analyses indicated?	Yes	No	N/A
15. Were preservative levels correct in all applicable sample containers?	Yes	No	N/A
16. Was residual chlorine present in any applicable sample containers?	Yes	No	N/A
17. Was sufficient amount of sample sent for the analyses required?	Yes	No	N/A
18. Was headspace present in any included VOA vials?	Yes	No	N/A

If Non-Conformance issues were present, list by sample ID: _____

- pH<2 for all metals & ammonia samples
- pH>9 for all sulfides

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: GW024-140705

14

Project Number: 140705
Project Name: Kirtland AFB
Sample Coordinator: Mark Lyon
Turnaround Time:

Samples Shipment Date: 06 APR 2011
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Kim Kostzer
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/872642681747

Bill To: Shaw Environmental, Inc. - Accounts P
PO Box 98519
Baton Rouge LA 70884

Report To: Pamela Moss
7604 Technology Way, Suite 300
Denver CO 80237

Special Instructions:

Possible Hazard Indentification:
Non-hazard X Flammable Skin Irritant Poison B Radiological Unknown

Sample Disposal:
Return to Client Disposal by Lab X Archive (mos.)

1. Relinquished By (Signature/Affiliation) [signature] Date: 4/6/11 Time: 2:48 P.M.
2. Relinquished By (Signature/Affiliation) Date: Time:
3. Relinquished By (Signature/Affiliation) Date: Time:

1. Received By (Signature/Affiliation) [signature] Date: 4.7.11 Time: 0830
2. Received By (Signature/Affiliation) Date: Time:
3. Received By (Signature/Affiliation) Date: Time:

Comments:

1104061

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
GW0040	KAFB1061-GW-GW0040-REG	06 APR 2011	13:40	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0040	KAFB1061-GW-GW0040-REG	06 APR 2011	13:40	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0040	KAFB1061-GW-GW0040-REG	06 APR 2011	13:40	1000 mL A GLASS	2	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0040	KAFB1061-GW-GW0040-REG	06 APR 2011	13:40	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
GW0040	KAFB1061-GW-GW0040-REG	06 APR 2011	13:40	250 mL HDPE	1	None except cool to 4 C	Chloride, Nitrate, and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0040	KAFB1061-GW-GW0040-REG	06 APR 2011	13:40	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
GW0040	KAFB1061-GW-GW0040-REG	06 APR 2011	13:40	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		

-01

KIRTLAND_007 Summ Package

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: GW024-140705

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-01	GW0040	KAFB1061-GW-GW0040-REG	06 APR 2011	13:40	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0040	KAFB1061-GW-GW0040-REG	06 APR 2011	13:40	250 mL HDPE	1	H2SO4<pH 2	Ammonia by SM4500B,D			N		
	GW0040	KAFB1061-GW-GW0040-REG	06 APR 2011	13:40	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
-02	GW0040	KAFB1061-GW-GW0040-REG	06 APR 2011	13:40	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
-03	GW8024-TB	FIELDQC-BW-GW8024-TB-TB	06 APR 2011	1:15 AM	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 1104061 Number of Coolers: 1 of 1

Client: BPAW E&I Project: Kirtland AFB

Date/Time Received: 4-7-11/08:30 Date cooler(s) opened: 4-7-11

Opened By (print): Chris Donald (signature): [signature]

Circle response below as appropriate

1. How did the samples arrive? FedEx UPS DHL Hand Delivered EL Courier Other: _____

If applicable, enter airbill number here: 7447

2. Were custody seals on outside of cooler(s)? ..... Yes No

How many: 1 Seal date: 4-6-11 Seal Initials: _____

3. Were custody seals unbroken and intact at the date and time of arrival? ..... Yes No N/A
4. Were custody papers sealed in a plastic bag included in the sample cooler? ..... Yes No N/A
5. Were custody papers filled out properly (ink, signed, etc.)? ..... Yes No N/A
6. Did you sign custody papers in the appropriate place for acceptance? ..... Yes No N/A
7. Was project identifiable from custody papers? ..... Yes No N/A
8. If required, was enough ice present in the cooler(s)? ..... Yes No N/A

Type of Coolant: WET DRY BLUE NONE

Temperature of Samples upon Receipt: Initial Value: 4.3 °C Correction Factor: -0.3 °C Final Value: 4.0 °C

Dates samples were logged-in: 4.7.11

9. Initial this form to acknowledge login of sample(s): (Name): Reginald Talley (Initial): RT

10. Were all bottle lids intact and sealed tightly? ..... Yes No N/A
11. Did all bottles arrive unbroken? ..... Yes No N/A
12. Was all required bottle label information complete? ..... Yes No N/A
13. Did all bottle labels agree with custody papers? ..... Yes No N/A
14. Were correct containers used for the analyses indicated? ..... Yes No N/A
15. Were preservative levels correct in all applicable sample containers? ..... Yes No N/A
16. Was residual chlorine present in any applicable sample containers? ..... Yes No N/A
17. Was sufficient amount of sample sent for the analyses required? ..... Yes No N/A
18. Was headspace present in any included VOA vials? ..... Yes No N/A

If Non-Conformance issues were present, list by sample ID: _____

Ph for sulfide sample was 79

Ph for Cloride, Nitrate, and Sulfate was <2

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW025

17

Project Number: 140705
Project Name: Kirtland AFB
Sample Coordinator: Mark Lyon
Turnaround Time:

Samples Shipment Date: 07 APR 2011
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Kim Kostzer
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/872642681758

Bill To: Shaw Environmental, Inc. - Accounts P
PO Box 98519
Baton Rouge LA 70884

Report To: Pamela Moss
7604 Technology Way, Suite 300
Denver CO 80237

Special Instructions:

Possible Hazard Indentification:
Non-hazard X Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological ☐

Sample Disposal:
Return to Client ☐ Disposal by Lab ✓ Archive (mos.)

1. Relinquished By (Signature/Affiliation) [signature] Shaw Env — Date: 4/7/11 Time: 1611
2. Relinquished By (Signature/Affiliation) — Date: Time:
3. Relinquished By (Signature/Affiliation) — Date: Time:

1. Received By (Signature/Affiliation) [signature] 1.5°C — Date: 4.8.11 Time: 0845
2. Received By (Signature/Affiliation) — Date: Time:
3. Received By (Signature/Affiliation) — Date: Time:

Comments:

104086

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
GW0057	KAFB10616-GW-GW0057-REG	07 APR 2011	11:50	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0057	KAFB10616-GW-GW0057-REG	07 APR 2011	11:50	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0057	KAFB10616-GW-GW0057-REG	07 APR 2011	11:50	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
02 → 01 GW0057	KAFB10616-GW-GW0057-REG	07 APR 2011	11:50	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
GW0057	KAFB10616-GW-GW0057-REG	07 APR 2011	11:50	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0057	KAFB10616-GW-GW0057-REG	07 APR 2011	11:50	1000 mL A GLASS	2	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		

KIRTLAND_007 Summ Package

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW025

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01-	GW0057	KAFB10616-GW-GW0057-REG	07 APR 2011	11:50	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
	GW0057	KAFB10616-GW-GW0057-REG	07 APR 2011	11:50	250 mL HDPE	1	H2SO4<pH 2	Ammonia by SM4500B,D			N		
	GW0057	KAFB10616-GW-GW0057-REG	07 APR 2011	11:50	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0057	KAFB10616-GW-GW0057-REG	07 APR 2011	11:50	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0057	KAFB10616-GW-GW0057-REG	07 APR 2011	11:50	250 mL HDPE	1	None except cool to 4 C	Chloride, Nitrate, and Sulfate by EPA 300, Alkalinity by SM2320B			N		
03 -	GW0071	KAFB3411-GW-GW0071-REG	07 APR 2011	14:54	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0071	KAFB3411-GW-GW0071-REG	07 APR 2011	14:54	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0071	KAFB3411-GW-GW0071-REG	07 APR 2011	14:54	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0071	KAFB3411-GW-GW0071-REG	07 APR 2011	14:54	1000 mL A GLASS	2	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
04 —	GW0071	KAFB3411-GW-GW0071-REG	07 APR 2011	14:54	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
-03	GW0071	KAFB3411-GW-GW0071-REG	07 APR 2011	14:54	250 mL HDPE	1	None except cool to 4 C	Chloride, Nitrate, and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0071	KAFB3411-GW-GW0071-REG	07 APR 2011	14:54	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0071	KAFB3411-GW-GW0071-REG	07 APR 2011	14:54	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0071	KAFB3411-GW-GW0071-REG	07 APR 2011	14:54	250 mL HDPE	1	H2SO4<pH 2	Ammonia by SM4500B,D			Y		
	GW0071	KAFB3411-GW-GW0071-REG	07 APR 2011	14:54	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0071	KAFB3411-GW-GW0071-REG	07 APR 2011	14:54	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
06 05 ~~05~~	GW8011-AB	FIELDQC-BW-GW8011-AB-AB	07 APR 2011	11:50	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		
	GW8025-TB	FIELDQC-BW-GW8025-TB-TB	07 APR 2011	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

RT 4

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 11040846 Number of Coolers: 1 of 1

Client: Shaw Project: Kirkland AFB

Date/Time Received: 4.8.11 0845 Date cooler(s) opened: 4.8.11

Opened By (print): Reginald Talley (signature): Reginald Talley

Circle response below as appropriate

1. How did the samples arrive? (FedEx) UPS DHL Hand Delivered

EL Courier Other: _____

If applicable, enter airbill number here: 1758

2. Were custody seals on outside of cooler(s)? ..... (Yes) No

How many: 1 Seal date: 4.7.11 Seal Initials: ?

3. Were custody seals unbroken and intact at the date and time of arrival? ..... (Yes) No N/A
4. Were custody papers sealed in a plastic bag included in the sample cooler? ..... (Yes) No N/A
5. Were custody papers filled out properly (ink, signed, etc.)? ..... (Yes) No N/A
6. Did you sign custody papers in the appropriate place for acceptance? ..... (Yes) No N/A
7. Was project identifiable from custody papers? ..... (Yes) No N/A
8. If required, was enough ice present in the cooler(s)? ..... (Yes) No N/A

Type of Coolant: (WET) DRY BLUE NONE

Temperature of Samples upon Receipt: Initial Value: 1.8 °C Correction Factor: -0.3 °C Final Value: 1.5 °C

Dates samples were logged-in: 4.8.11

9. Initial this form to acknowledge login of sample(s): (Name): Reginald Talley (Initial): RT
10. Were all bottle lids intact and sealed tightly? ..... (Yes) No N/A
11. Did all bottles arrive unbroken? ..... RT 4.8 (Yes) No N/A Received 2 broken vials / From sample ID GW0057 / From sample ID GW0071
12. Was all required bottle label information complete? ..... (Yes) No N/A
13. Did all bottle labels agree with custody papers? ..... (Yes) No N/A
14. Were correct containers used for the analyses indicated? ..... (Yes) No N/A
15. Were preservative levels correct in all applicable sample containers? ..... (Yes) No N/A
16. Was residual chlorine present in any applicable sample containers? ..... Yes No (N/A)
17. Was sufficient amount of sample sent for the analyses required? ..... (Yes) No N/A
18. Was headspace present in any included VOA vials? ..... Yes (No) N/A

If Non-Conformance issues were present, list by sample ID: _____

Ph for all metals were <2
Ph for all sulfide samples were 79

WORK ORDER

1104024

Printed: 4/28/2011 2:18:26PM

Empirical Laboratories, LLC

Client: **Shaw E & I (I700)**
Project: **Kirtland AFB 2011**

Project Manager: **Sonya Gordon**
Project Number: **SHW_Kirtland**

Report To:
Shaw E & I (I700)
Pamela Moss
7604 Technology Way, Suite 300
Denver, CO 80237
Phone: (720) 554-8252
Fax: (225) 932-2661

Invoice To:
Shaw E & I (I700)
Accounts Payable
PO Box 98519
Baton Rouge, LA 70884
Phone :(225) 932-2500
Fax: (225) 932-2661

Date Due: 04/26/2011 16:00 (15 day TAT)

Received By: Chris Donald
Date Received: 04/05/2011 08:30

Logged In By: Chris Donald
Date Logged In 04/05/2011 09:58

Samples Received at: **2.5°C**

Custody Seals	Yes	Received On Ice	Yes
Containers Intact	Yes		
COC/Labels Agree	Yes		
Preservation Confir	Yes		

Analysis	Due	TAT	Expires	Version	Comments

WORK ORDER

1104024

Printed: 4/28/2011 2:18:26PM

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011

Project Manager: Sonya Gordon
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1104024-01 GW0047 [Water] Sampled 04/04/2011 10:01 Mountain					
SW8015B DRO	04/21/2011 14:00	15	04/11/2011 11:01		
SW8011	04/21/2011 14:00	15	04/18/2011 11:01		
SW8270C	04/21/2011 14:00	15	04/11/2011 11:01		
SW8015B GRO	04/21/2011 14:00	15	04/18/2011 11:01		
SW8260B	04/21/2011 14:00	15	04/18/2011 11:01		
SM2320B	04/21/2011 14:00	15	04/18/2011 11:01		carb/bicarb
SM4500NH3BG	04/21/2011 14:00	15	05/02/2011 11:01		
E300.0	04/21/2011 14:00	15	05/02/2011 11:01		Cl & SO4
E300.0	04/21/2011 14:00	15	04/06/2011 11:01		NO3
SM4500S2CF	04/21/2011 14:00	15	04/11/2011 11:01		
SW6010B	04/21/2011 14:00	15	10/01/2011 11:01		Ca, Pb, K, Na, Mg
1104024-02 GW0047 [Water] Sampled 04/04/2011 10:01 Mountain					**Field Filtered and Preserved!!!**
SW6010B	04/21/2011 14:00	15	10/01/2011 11:01		Fe & Mn Field Filtered and Preserved!!!

WORK ORDER

1104024

Printed: 4/28/2011 2:18:26PM

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011

Project Manager: Sonya Gordon
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1104024-03 GW0069 [Water] Sampled 04/04/2011 13:52 Mountain					
SW8015B DRO	04/21/2011 14:00	15	04/11/2011 14:52		
SW8011	04/21/2011 14:00	15	04/18/2011 14:52		
SW8270C	04/21/2011 14:00	15	04/11/2011 14:52		
SW8015B GRO	04/21/2011 14:00	15	04/18/2011 14:52		
SW8260B	04/21/2011 14:00	15	04/18/2011 14:52		
SM2320B	04/21/2011 14:00	15	04/18/2011 14:52		carb/bicarb
SM4500NH3BG	04/21/2011 14:00	15	05/02/2011 14:52		
E300.0	04/21/2011 14:00	15	05/02/2011 14:52		Cl & SO4
E300.0	04/21/2011 14:00	15	04/06/2011 14:52		NO3
SM4500S2CF	04/21/2011 14:00	15	04/11/2011 14:52		
SW6010B	04/21/2011 14:00	15	10/01/2011 14:52		Ca, Pb, K, Na, Mg
1104024-04 GW0069 [Water] Sampled 04/04/2011 13:52 Mountain					**Field Filtered and Preserved!!!**
SW6010B	04/21/2011 14:00	15	10/01/2011 14:52		Fe & Mn Field Filtered and Preserved!!!
1104024-05 GW8022-TB [Water] Sampled 04/04/2011 08:00 Mountain					
SW8260B	04/21/2011 14:00	15	04/18/2011 09:00		

WORK ORDER

1104061

Printed: 4/28/2011 2:19:01PM

Empirical Laboratories, LLC

Client: **Shaw E & I (I700)**
Project: **Kirtland AFB 2011**

Project Manager: **Sonya Gordon**
Project Number: **SHW_Kirtland**

Report To:
Shaw E & I (I700)
Pamela Moss
7604 Technology Way, Suite 300
Denver, CO 80237
Phone: (720) 554-8252
Fax: (225) 932-2661

Invoice To:
Shaw E & I (I700)
Accounts Payable
PO Box 98519
Baton Rouge, LA 70884
Phone :(225) 932-2500
Fax: (225) 932-2661

Date Due: 04/28/2011 16:00 (15 day TAT)

Received By: William Schwab
Date Received: 04/07/2011 08:30

Logged In By: William Schwab
Date Logged In 04/07/2011 13:09

Samples Received at: **4°C**

Custody Seals	Yes	Received On Ice	Yes
Containers Intact	Yes		
COC/Labels Agree	Yes		
Preservation Confir	Yes		

Analysis	Due	TAT	Expires	Version	Comments

WORK ORDER

1104061

Printed: 4/28/2011 2:19:01PM

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011

Project Manager: Sonya Gordon
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1104061-01 GW0040 [Water] Sampled 04/06/2011 13:40 Central					
SM4500S2CF	04/25/2011 14:00	15	04/13/2011 13:40		
E300.0	04/25/2011 14:00	15	04/08/2011 13:40		NO3
E300.0	04/25/2011 14:00	15	05/04/2011 13:40		Cl, SO4
SM4500NH3BG	04/25/2011 14:00	15	05/04/2011 13:40		
SM2320B	04/25/2011 14:00	15	04/20/2011 13:40		carb/bicarb
SW8260B	04/25/2011 14:00	15	04/20/2011 13:40		
SW8015B GRO	04/25/2011 14:00	15	04/20/2011 13:40		
SW8270C	04/25/2011 14:00	15	04/13/2011 13:40		
SW8011	04/25/2011 14:00	15	04/20/2011 13:40		
SW8015B DRO	04/25/2011 14:00	15	04/13/2011 13:40		
SW6010B	04/25/2011 14:00	15	10/03/2011 13:40		Fe & Mn. Field Filtered and Preserved!
1104061-02 GW0040 [Water] Sampled 04/06/2011 13:40 Central					
SW6010B	04/25/2011 14:00	15	10/03/2011 13:40		Ca, Pb, K, Na, Mg
1104061-03 GW8024-TB [Water] Sampled 04/06/2011 01:15 Central					
SW8260B	04/25/2011 14:00	15	04/20/2011 01:15		

WORK ORDER

1104086

Printed: 4/28/2011 2:19:26PM

Empirical Laboratories, LLC

Client: **Shaw E & I (I700)**
Project: **Kirtland AFB 2011**

Project Manager: **Sonya Gordon**
Project Number: **SHW_Kirtland**

Report To:
Shaw E & I (I700)
Pamela Moss
7604 Technology Way, Suite 300
Denver, CO 80237
Phone: (720) 554-8252
Fax: (225) 932-2661

Invoice To:
Shaw E & I (I700)
Accounts Payable
PO Box 98519
Baton Rouge, LA 70884
Phone :(225) 932-2500
Fax: (225) 932-2661

Date Due: 04/29/2011 16:00 (15 day TAT)

Received By: William Schwab

Logged In By: William Schwab

Date Received: 04/08/2011 08:45

Date Logged In 04/08/2011 14:38

Samples Received at: **1.5°C**

Custody Seals	Yes	Received On Ice	Yes
Containers Intact	Yes		
COC/Labels Agree	Yes		
Preservation Confir	Yes		

Analysis	Due	TAT	Expires	Version	Comments

WORK ORDER

1104086

Printed: 4/28/2011 2:19:26PM

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011

Project Manager: Sonya Gordon
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1104086-01 GW0057 [Water] Sampled 04/07/2011 11:50 Central					
SM4500S2CF	04/26/2011 14:00	15	04/14/2011 11:50		
SW8015B DRO	04/26/2011 14:00	15	04/14/2011 11:50		
SW8011	04/26/2011 14:00	15	04/21/2011 11:50		
SW8270C	04/26/2011 14:00	15	04/14/2011 11:50		
SW8015B GRO	04/26/2011 14:00	15	04/21/2011 11:50		limited volume
SW8260B	04/26/2011 14:00	15	04/21/2011 11:50		limited volume
SM2320B	04/26/2011 14:00	15	04/21/2011 11:50		carb/bicarb
SM4500NH3BG	04/26/2011 14:00	15	05/05/2011 11:50		
E300.0	04/26/2011 14:00	15	05/05/2011 11:50		Cl, SO4
SW6010B	04/26/2011 14:00	15	10/04/2011 11:50		Fe & Mn. Field Filtered and Preserved!
E300.0	04/26/2011 14:00	15	04/09/2011 11:50		NO3
1104086-02 GW0057 [Water] Sampled 04/07/2011 11:50 Central					
SW6010B	04/26/2011 14:00	15	10/04/2011 11:50		Ca, Pb, K, Na, Mg

WORK ORDER

1104086

Printed: 4/28/2011 2:19:26PM

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011

Project Manager: Sonya Gordon
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1104086-03 GW0071 [Water] Sampled 04/07/2011 14:54 Central					
SW6010B	04/26/2011 14:00	15	10/04/2011 14:54		Fe & Mn. Field Filtered and Preserved!
SW8015B DRO	04/26/2011 14:00	15	04/14/2011 14:54		
SW8011	04/26/2011 14:00	15	04/21/2011 14:54		
SW8270C	04/26/2011 14:00	15	04/14/2011 14:54		
SW8015B GRO	04/26/2011 14:00	15	04/21/2011 14:54		
SW8260B	04/26/2011 14:00	15	04/21/2011 14:54		
SM2320B	04/26/2011 14:00	15	04/21/2011 14:54		carb/bicarb
SM4500NH3BG	04/26/2011 14:00	15	05/05/2011 14:54		
E300.0	04/26/2011 14:00	15	05/05/2011 14:54		Cl, SO4
E300.0	04/26/2011 14:00	15	04/09/2011 14:54		NO3
SM4500S2CF	04/26/2011 14:00	15	04/14/2011 14:54		
1104086-04 GW0071 [Water] Sampled 04/07/2011 14:54 Central					
SW6010B	04/26/2011 14:00	15	10/04/2011 14:54		Ca, Pb, K, Na, Mg
1104086-05 GW8025-TB [Water] Sampled 04/07/2011 08:00 Central					
SW8260B	04/26/2011 14:00	15	04/21/2011 08:00		
1104086-06 GW8011-AB [Water] Sampled 04/07/2011 11:50 Mountain					
SW8260B	04/26/2011 14:00	15	04/21/2011 12:50		

Sample Delivery Group Assignment Form

CLIENT: Shaw E & I (I700)
PROJECT NAME: Kirtland AFB 2011
SDG #: Kirtland_007
MATRIX: Water

QC LEVEL: Level IV
Report Due: 4/29/2011
Client Sample Count: 11

Sample Type	Sampled	Received	Lab ID	Client ID	E300.0	SM2320B	SM4500NH3BG	SM4500S2CF	SW6010B	SW8011	SW8015B DRO	SW8015B GRO	SW8260B	SW8270C
Client Sample	4/4/2011	4/5/2011	1104024-01	GW0047	X	X	X	X	X	X	X	X	X	X
Client Sample	4/4/2011	4/5/2011	1104024-02	GW0047					X					
Client Sample	4/4/2011	4/5/2011	1104024-03	GW0069	X	X	X	X	X	X	X	X	X	X
Client Sample	4/4/2011	4/5/2011	1104024-04	GW0069					X					
Trip Blank	4/4/2011	4/5/2011	1104024-05	GW8022-TB									X	
Client Sample	4/6/2011	4/7/2011	1104061-01	GW0040	X	X	X	X	X	X	X	X	X	X
Client Sample	4/6/2011	4/7/2011	1104061-02	GW0040					X					
Trip Blank	4/6/2011	4/7/2011	1104061-03	GW8024-TB									X	
Client Sample	4/7/2011	4/8/2011	1104086-01	GW0057	X	X	X	X	X	X	X	X	X	X
Client Sample	4/7/2011	4/8/2011	1104086-02	GW0057					X					
Client Sample	4/7/2011	4/8/2011	1104086-03	GW0071	X	X	X	X	X	X	X	X	X	X
Client Sample	4/7/2011	4/8/2011	1104086-04	GW0071					X					
Trip Blank	4/7/2011	4/8/2011	1104086-05	GW8025-TB									X	
Client Sample	4/7/2011	4/8/2011	1104086-06	GW8011-AB									X	

Data for SW8260B Forms

ANALYSIS DATA SHEET

GW0047

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1104024-01	File ID:	0402401.D
Sampled:	04/04/11 10:01	Prepared:	04/06/11 00:00	Analyzed:	04/06/11 13:15
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1D06007 Sequence: 1D09704 Calibration: 1078001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	Q, U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	Q, U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane	0.868	0.500	1.00	2.00	J
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	X, U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0047

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1104024-01	File ID:	0402401.D
Sampled:	04/04/11 10:01	Prepared:	04/06/11 00:00	Analyzed:	04/06/11 13:15
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1D06007 Sequence: 1D09704 Calibration: 1078001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	Q, U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	Q, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene	0.341	0.250	0.500	1.00	J
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene	0.279	0.250	0.500	1.00	J
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.68	98.9	75 - 120	
Dibromofluoromethane	30.00	30.58	102	85 - 115	
1,2-Dichloroethane-d4	30.00	31.29	104	70 - 120	
Toluene-d8	30.00	30.42	101	85 - 120	

ANALYSIS DATA SHEET

GW0069

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1104024-03	File ID:	0402403.D
Sampled:	04/04/11 13:52	Prepared:	04/06/11 00:00	Analyzed:	04/06/11 13:45
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1D06007 Sequence: 1D09704 Calibration: 1078001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	Q, U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	Q, U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	X, U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0069

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1104024-03	File ID:	0402403.D
Sampled:	04/04/11 13:52	Prepared:	04/06/11 00:00	Analyzed:	04/06/11 13:45
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1D06007 Sequence: 1D09704 Calibration: 1078001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	Q, U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	Q, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.09	100	75 - 120	
Dibromofluoromethane	30.00	32.75	109	85 - 115	
1,2-Dichloroethane-d4	30.00	31.96	107	70 - 120	
Toluene-d8	30.00	28.90	96.3	85 - 120	

ANALYSIS DATA SHEET

GW8022-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1104024-05	File ID:	0402405.D
Sampled:	04/04/11 08:00	Prepared:	04/07/11 00:00	Analyzed:	04/07/11 17:09
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1D07025 Sequence: 1D09804 Calibration: 1078001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	X, U
74-83-9	Bromomethane		0.500	1.00	2.00	Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW8022-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1104024-05	File ID:	0402405.D
Sampled:	04/04/11 08:00	Prepared:	04/07/11 00:00	Analyzed:	04/07/11 17:09
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1D07025 Sequence: 1D09804 Calibration: 1078001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	X, U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.78	106	75 - 120	
Dibromofluoromethane	30.00	32.51	108	85 - 115	
1,2-Dichloroethane-d4	30.00	31.09	104	70 - 120	
Toluene-d8	30.00	31.26	104	85 - 120	

ANALYSIS DATA SHEET

GW0040

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1104061-01	File ID:	0406101.D
Sampled:	04/06/11 13:40	Prepared:	04/11/11 00:00	Analyzed:	04/11/11 11:24
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1D11011 Sequence: 1D10205 Calibration: 1084001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene	5.82	0.250	0.500	1.00	
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0040

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1104061-01	File ID:	0406101.D
Sampled:	04/06/11 13:40	Prepared:	04/11/11 00:00	Analyzed:	04/11/11 11:24
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1D11011 Sequence: 1D10205 Calibration: 1084001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	X, U
98-82-8	Isopropylbenzene	0.408	0.250	0.500	1.00	J
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene	1.29	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	Y, U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene	0.284	0.250	0.500	1.00	J

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.63	105	75 - 120	
Dibromofluoromethane	30.00	31.19	104	85 - 115	
1,2-Dichloroethane-d4	30.00	31.07	104	70 - 120	
Toluene-d8	30.00	30.51	102	85 - 120	

ANALYSIS DATA SHEET

GW8024-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1104061-03	File ID:	0406103.D
Sampled:	04/06/11 01:15	Prepared:	04/11/11 00:00	Analyzed:	04/11/11 10:24
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1D11011 Sequence: 1D10205 Calibration: 1084001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW8024-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1104061-03	File ID:	0406103.D
Sampled:	04/06/11 01:15	Prepared:	04/11/11 00:00	Analyzed:	04/11/11 10:24
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1D11011 Sequence: 1D10205 Calibration: 1084001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	X, U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	Y, U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.46	105	75 - 120	
Dibromofluoromethane	30.00	32.69	109	85 - 115	
1,2-Dichloroethane-d4	30.00	30.92	103	70 - 120	
Toluene-d8	30.00	30.61	102	85 - 120	

ANALYSIS DATA SHEET

GW0057

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1104086-01	File ID:	0408601.D
Sampled:	04/07/11 11:50	Prepared:	04/14/11 00:00	Analyzed:	04/14/11 18:01
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1D14014 Sequence: 1D10504 Calibration: 1084001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	X, U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0057

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1104086-01	File ID:	0408601.D
Sampled:	04/07/11 11:50	Prepared:	04/14/11 00:00	Analyzed:	04/14/11 18:01
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1D14014 Sequence: 1D10504 Calibration: 1084001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	X, U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.85	99.5	75 - 120	
Dibromofluoromethane	30.00	31.98	107	85 - 115	
1,2-Dichloroethane-d4	30.00	31.41	105	70 - 120	
Toluene-d8	30.00	29.19	97.3	85 - 120	

ANALYSIS DATA SHEET

GW0071

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1104086-03RE1	File ID:	0408603.D
Sampled:	04/07/11 14:54	Prepared:	04/16/11 00:00	Analyzed:	04/16/11 15:17
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1D16007 Sequence: 1D10914 Calibration: 1084001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	Q, U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	Q, Y, U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	X, U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0071

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1104086-03RE1	File ID:	0408603.D
Sampled:	04/07/11 14:54	Prepared:	04/16/11 00:00	Analyzed:	04/16/11 15:17
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1D16007 Sequence: 1D10914 Calibration: 1084001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene	0.726	0.250	0.500	1.00	J
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.51	105	75 - 120	
Dibromofluoromethane	30.00	32.84	109	85 - 115	
1,2-Dichloroethane-d4	30.00	32.17	107	70 - 120	
Toluene-d8	30.00	29.00	96.7	85 - 120	

ANALYSIS DATA SHEET

GW8025-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1104086-05	File ID:	0408605.D
Sampled:	04/07/11 08:00	Prepared:	04/16/11 00:00	Analyzed:	04/16/11 13:48
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1D16007 Sequence: 1D10914 Calibration: 1084001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	Q, U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	Q, Y, U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	X, U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW8025-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1104086-05	File ID:	0408605.D
Sampled:	04/07/11 08:00	Prepared:	04/16/11 00:00	Analyzed:	04/16/11 13:48
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1D16007 Sequence: 1D10914 Calibration: 1084001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.75	95.8	75 - 120	
Dibromofluoromethane	30.00	31.83	106	85 - 115	
1,2-Dichloroethane-d4	30.00	31.30	104	70 - 120	
Toluene-d8	30.00	29.19	97.3	85 - 120	

ANALYSIS DATA SHEET

GW8011-AB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1104086-06	File ID:	0408606.D
Sampled:	04/07/11 11:50	Prepared:	04/14/11 00:00	Analyzed:	04/14/11 15:32
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1D14014 Sequence: 1D10504 Calibration: 1084001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	X, U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW8011-AB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1104086-06	File ID:	0408606.D
Sampled:	04/07/11 11:50	Prepared:	04/14/11 00:00	Analyzed:	04/14/11 15:32
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1D14014 Sequence: 1D10504 Calibration: 1084001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	X, U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.55	105	75 - 120	
Dibromofluoromethane	30.00	31.94	106	85 - 115	
1,2-Dichloroethane-d4	30.00	31.63	105	70 - 120	
Toluene-d8	30.00	31.56	105	85 - 120	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D09704	Instrument:	MS-VOA5
		Calibration:	1078001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1D09704-CCV1) ug/L				Lab File ID: 0406CC1.D		Analyzed: 04/06/11 08:14		
Bromofluorobenzene	30.00	98.2	80 - 120	17.649	17.649	0.0000	+/-1.000	
Dibromofluoromethane	30.00	99.4	80 - 120	11.195	11.195	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.6	80 - 120	12.003	12.003	0.0000	+/-1.000	
Toluene-d8	30.00	90.3	80 - 120	15.324	15.324	0.0000	+/-1.000	
LCS (1D06007-BS1) ug/L				Lab File ID: 0406LS1.D		Analyzed: 04/06/11 08:45		
Bromofluorobenzene	30.00	103	75 - 120	17.648	17.649	-0.0010	+/-1.000	
Dibromofluoromethane	30.00	97.1	85 - 115	11.204	11.195	0.0090	+/-1.000	
1,2-Dichloroethane-d4	30.00	96.0	70 - 120	12.002	12.003	-0.0010	+/-1.000	
Toluene-d8	30.00	99.8	85 - 120	15.323	15.324	-0.0010	+/-1.000	
Blank (1D06007-BLK1) ug/L				Lab File ID: 0406BL1.D		Analyzed: 04/06/11 10:43		
Bromofluorobenzene	30.00	104	75 - 120	17.643	17.649	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	11.208	11.195	0.0130	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	12.006	12.003	0.0030	+/-1.000	
Toluene-d8	30.00	101	85 - 120	15.327	15.324	0.0030	+/-1.000	
GW0047 (1104024-01) ug/L				Lab File ID: 0402401.D		Analyzed: 04/06/11 13:15		
Bromofluorobenzene	30.00	98.9	75 - 120	17.654	17.649	0.0050	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	11.209	11.195	0.0140	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	12.007	12.003	0.0040	+/-1.000	
Toluene-d8	30.00	101	85 - 120	15.328	15.324	0.0040	+/-1.000	
GW0069 (1104024-03) ug/L				Lab File ID: 0402403.D		Analyzed: 04/06/11 13:45		
Bromofluorobenzene	30.00	100	75 - 120	17.65	17.649	0.0010	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	11.216	11.195	0.0210	+/-1.000	
1,2-Dichloroethane-d4	30.00	107	70 - 120	12.014	12.003	0.0110	+/-1.000	
Toluene-d8	30.00	96.3	85 - 120	15.335	15.324	0.0110	+/-1.000	
LCS Dup (1D06007-BSD1) ug/L				Lab File ID: 0406LD1.D		Analyzed: 04/06/11 15:46		
Bromofluorobenzene	30.00	98.6	75 - 120	17.658	17.649	0.0090	+/-1.000	
Dibromofluoromethane	30.00	95.9	85 - 115	11.213	11.195	0.0180	+/-1.000	
1,2-Dichloroethane-d4	30.00	96.2	70 - 120	12.012	12.003	0.0090	+/-1.000	
Toluene-d8	30.00	95.4	85 - 120	15.332	15.324	0.0080	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D09804	Instrument:	MS-VOA5
		Calibration:	1078001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1D09804-CCV1) ug/L				Lab File ID: 0407CC1.D		Analyzed: 04/07/11 14:39		
Bromofluorobenzene	30.00	94.8	80 - 120	17.653	17.653	0.0000	+/-1.000	
Dibromofluoromethane	30.00	92.8	80 - 120	11.199	11.199	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.2	80 - 120	11.997	11.997	0.0000	+/-1.000	
Toluene-d8	30.00	92.8	80 - 120	15.328	15.328	0.0000	+/-1.000	
LCS (1D07025-BS1) ug/L				Lab File ID: 0407LS1.D		Analyzed: 04/07/11 15:10		
Bromofluorobenzene	30.00	98.1	75 - 120	17.654	17.653	0.0010	+/-1.000	
Dibromofluoromethane	30.00	97.3	85 - 115	11.2	11.199	0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	106	70 - 120	11.998	11.997	0.0010	+/-1.000	
Toluene-d8	30.00	98.2	85 - 120	15.329	15.328	0.0010	+/-1.000	
Blank (1D07025-BLK1) ug/L				Lab File ID: 0407BL1.D		Analyzed: 04/07/11 16:38		
Bromofluorobenzene	30.00	103	75 - 120	17.659	17.653	0.0060	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	11.205	11.199	0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	12.003	11.997	0.0060	+/-1.000	
Toluene-d8	30.00	101	85 - 120	15.333	15.328	0.0050	+/-1.000	
GW8022-TB (1104024-05) ug/L				Lab File ID: 0402405.D		Analyzed: 04/07/11 17:09		
Bromofluorobenzene	30.00	106	75 - 120	17.653	17.653	0.0000	+/-1.000	
Dibromofluoromethane	30.00	108	85 - 115	11.199	11.199	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	11.997	11.997	0.0000	+/-1.000	
Toluene-d8	30.00	104	85 - 120	15.328	15.328	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D10205	Instrument:	MS-VOA4
		Calibration:	1084001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1D10205-CCV1) ug/L				Lab File ID: 0411CCV1.D		Analyzed: 04/11/11 07:36		
Bromofluorobenzene	30.00	106	80 - 120	16.449	16.449	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	80 - 120	8.824	8.824	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	94.8	80 - 120	10.067	10.067	0.0000	+/-1.000	
Toluene-d8	30.00	102	80 - 120	14.121	14.121	0.0000	+/-1.000	
LCS (1D11011-BS1) ug/L				Lab File ID: 0411LCS1.D		Analyzed: 04/11/11 08:05		
Bromofluorobenzene	30.00	103	75 - 120	16.451	16.449	0.0020	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	8.825	8.824	0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	10.059	10.067	-0.0080	+/-1.000	
Toluene-d8	30.00	102	85 - 120	14.123	14.121	0.0020	+/-1.000	
Blank (1D11011-BLK1) ug/L				Lab File ID: 0411BL1.D		Analyzed: 04/11/11 09:34		
Bromofluorobenzene	30.00	104	75 - 120	16.445	16.449	-0.0040	+/-1.000	
Dibromofluoromethane	30.00	106	85 - 115	8.83	8.824	0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	109	70 - 120	10.063	10.067	-0.0040	+/-1.000	
Toluene-d8	30.00	98.4	85 - 120	14.117	14.121	-0.0040	+/-1.000	
GW8024-TB (1104061-03) ug/L				Lab File ID: 0406103.D		Analyzed: 04/11/11 10:24		
Bromofluorobenzene	30.00	105	75 - 120	16.442	16.449	-0.0070	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	8.817	8.824	-0.0070	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	10.05	10.067	-0.0170	+/-1.000	
Toluene-d8	30.00	102	85 - 120	14.114	14.121	-0.0070	+/-1.000	
GW0040 (1104061-01) ug/L				Lab File ID: 0406101.D		Analyzed: 04/11/11 11:24		
Bromofluorobenzene	30.00	105	75 - 120	16.441	16.449	-0.0080	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	8.816	8.824	-0.0080	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	10.049	10.067	-0.0180	+/-1.000	
Toluene-d8	30.00	102	85 - 120	14.113	14.121	-0.0080	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D10504	Instrument:	MS-VOA4
		Calibration:	1084001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1D10504-CCV1) ug/L				Lab File ID: 0414CCV1.D		Analyzed: 04/14/11 12:34		
Bromofluorobenzene	30.00	106	80 - 120	16.441	16.441	0.0000	+/-1.000	
Dibromofluoromethane	30.00	109	80 - 120	8.816	8.816	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	110	80 - 120	10.049	10.049	0.0000	+/-1.000	
Toluene-d8	30.00	100	80 - 120	14.113	14.113	0.0000	+/-1.000	
LCS (1D14014-BS1) ug/L				Lab File ID: 0414LCS1.D		Analyzed: 04/14/11 13:04		
Bromofluorobenzene	30.00	107	75 - 120	16.442	16.441	0.0010	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	8.806	8.816	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.9	70 - 120	10.049	10.049	0.0000	+/-1.000	
Toluene-d8	30.00	101	85 - 120	14.114	14.113	0.0010	+/-1.000	
Blank (1D14014-BLK1) ug/L				Lab File ID: 0414BL1.D		Analyzed: 04/14/11 14:33		
Bromofluorobenzene	30.00	103	75 - 120	16.44	16.441	-0.0010	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	8.815	8.816	-0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	10.038	10.049	-0.0110	+/-1.000	
Toluene-d8	30.00	93.0	85 - 120	14.112	14.113	-0.0010	+/-1.000	
GW8011-AB (1104086-06) ug/L				Lab File ID: 0408606.D		Analyzed: 04/14/11 15:32		
Bromofluorobenzene	30.00	105	75 - 120	16.441	16.441	0.0000	+/-1.000	
Dibromofluoromethane	30.00	106	85 - 115	8.805	8.816	-0.0110	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	10.058	10.049	0.0090	+/-1.000	
Toluene-d8	30.00	105	85 - 120	14.113	14.113	0.0000	+/-1.000	
GW0057 (1104086-01) ug/L				Lab File ID: 0408601.D		Analyzed: 04/14/11 18:01		
Bromofluorobenzene	30.00	99.5	75 - 120	16.446	16.441	0.0050	+/-1.000	
Dibromofluoromethane	30.00	107	85 - 115	8.82	8.816	0.0040	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	10.063	10.049	0.0140	+/-1.000	
Toluene-d8	30.00	97.3	85 - 120	14.117	14.113	0.0040	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D10914	Instrument:	MS-VOA4
		Calibration:	1084001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1D10914-CCV1) ug/L				Lab File ID: 0416CCV1.D		Analyzed: 04/16/11 11:07		
Bromofluorobenzene	30.00	102	80 - 120	16.457	16.457	0.0000	+/-1.000	
Dibromofluoromethane	30.00	107	80 - 120	8.851	8.851	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	80 - 120	10.084	10.084	0.0000	+/-1.000	
Toluene-d8	30.00	97.0	80 - 120	14.129	14.129	0.0000	+/-1.000	
LCS (1D16007-BS1) ug/L				Lab File ID: 0416LCS1.D		Analyzed: 04/16/11 11:50		
Bromofluorobenzene	30.00	105	75 - 120	16.457	16.457	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	8.841	8.851	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	10.084	10.084	0.0000	+/-1.000	
Toluene-d8	30.00	104	85 - 120	14.128	14.129	-0.0010	+/-1.000	
Blank (1D16007-BLK1) ug/L				Lab File ID: 0416BL1.D		Analyzed: 04/16/11 13:18		
Bromofluorobenzene	30.00	103	75 - 120	16.451	16.457	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	108	85 - 115	8.845	8.851	-0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	106	70 - 120	10.088	10.084	0.0040	+/-1.000	
Toluene-d8	30.00	96.9	85 - 120	14.123	14.129	-0.0060	+/-1.000	
GW8025-TB (1104086-05) ug/L				Lab File ID: 0408605.D		Analyzed: 04/16/11 13:48		
Bromofluorobenzene	30.00	95.8	75 - 120	16.446	16.457	-0.0110	+/-1.000	
Dibromofluoromethane	30.00	106	85 - 115	8.84	8.851	-0.0110	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	10.064	10.084	-0.0200	+/-1.000	
Toluene-d8	30.00	97.3	85 - 120	14.128	14.129	-0.0010	+/-1.000	
GW0071 (1104086-03RE1) ug/L				Lab File ID: 0408603.D		Analyzed: 04/16/11 15:17		
Bromofluorobenzene	30.00	105	75 - 120	16.451	16.457	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	8.835	8.851	-0.0160	+/-1.000	
1,2-Dichloroethane-d4	30.00	107	70 - 120	10.078	10.084	-0.0060	+/-1.000	
Toluene-d8	30.00	96.7	85 - 120	14.123	14.129	-0.0060	+/-1.000	
LCS Dup (1D16007-BSD1) ug/L				Lab File ID: 0416LCD1.D		Analyzed: 04/16/11 22:12		
Bromofluorobenzene	30.00	103	75 - 120	16.446	16.457	-0.0110	+/-1.000	
Dibromofluoromethane	30.00	106	85 - 115	8.82	8.851	-0.0310	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	10.044	10.084	-0.0400	+/-1.000	
Toluene-d8	30.00	97.6	85 - 120	14.118	14.129	-0.0110	+/-1.000	

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D06007	Laboratory ID:	1D06007-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acetone	100.0	93.8	93.8	40 - 140
Benzene	50.00	54.3	109	80 - 120
Bromobenzene	50.00	51.7	103	75 - 125
Bromochloromethane	50.00	52.3	105	65 - 130
Bromodichloromethane	50.00	55.2	110	75 - 120
Bromoform	50.00	55.4	111	70 - 130
Bromomethane	50.00	41.4	82.7	30 - 145
n-Butylbenzene	50.00	54.9	110	70 - 135
2-Butanone	100.0	93.2	93.2	30 - 150
sec-Butylbenzene	50.00	50.9	102	70 - 125
tert-Butylbenzene	50.00	49.2	98.4	70 - 130
Carbon disulfide	50.00	54.8	110	35 - 160
Carbon tetrachloride	50.00	49.3	98.7	65 - 140
Chlorobenzene	50.00	52.0	104	80 - 120
Chloroethane	50.00	47.3	94.7	60 - 135
Chloroform	50.00	49.5	99.0	65 - 135
Chloromethane	50.00	57.7	115	40 - 125
2-Chlorotoluene	50.00	53.1	106	75 - 125
4-Chlorotoluene	50.00	53.4	107	75 - 130
Dibromochloromethane	50.00	57.0	114	60 - 135
1,2-Dibromo-3-chloropropane	50.00	48.7	97.4	50 - 130
1,2-Dibromoethane (EDB)	50.00	56.1	112	80 - 120
Dibromomethane	50.00	54.5	109	75 - 125
1,2-Dichlorobenzene	50.00	55.0	110	70 - 120
1,3-Dichlorobenzene	50.00	50.0	100	75 - 125
1,4-Dichlorobenzene	50.00	49.8	99.6	75 - 125
Dichlorodifluoromethane	50.00	70.4	141	30 - 155
1,1-Dichloroethane	50.00	51.8	104	70 - 135
1,2-Dichloroethane	50.00	49.8	99.5	70 - 130
1,1-Dichloroethene	50.00	58.7	117	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D06007	Laboratory ID:	1D06007-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	53.5	107	70 - 125
trans-1,2-Dichloroethene	50.00	52.7	105	60 - 140
1,2-Dichloropropane	50.00	48.9	97.8	75 - 125
1,3-Dichloropropane	50.00	51.3	103	75 - 125
2,2-Dichloropropane	50.00	51.1	102	70 - 135
1,1-Dichloropropene	50.00	54.4	109	75 - 130
cis-1,3-Dichloropropene	50.00	50.2	100	70 - 130
trans-1,3-Dichloropropene	50.00	57.2	114	55 - 140
Ethylbenzene	50.00	55.6	111	75 - 125
Hexachlorobutadiene	50.00	48.8	97.7	50 - 140
2-Hexanone	100.0	103	103	55 - 130
Isopropylbenzene	50.00	59.2	118	75 - 125
p-Isopropyltoluene	50.00	53.9	108	75 - 130
Methylene chloride	50.00	49.6	99.3	55 - 140
Naphthalene	50.00	52.6	105	55 - 140
4-Methyl-2-pentanone	100.0	105	105	60 - 135
Methyl t-Butyl Ether	50.00	51.5	103	65 - 125
n-Propylbenzene	50.00	52.9	106	70 - 130
Styrene	50.00	55.3	111	65 - 135
1,1,2,2-Tetrachloroethane	50.00	51.8	104	65 - 130
1,1,1,2-Tetrachloroethane	50.00	52.4	105	80 - 130
Tetrachloroethene	50.00	54.4	109	45 - 150
Toluene	50.00	54.2	108	75 - 120
1,2,3-Trichlorobenzene	50.00	58.6	117	55 - 140
1,2,4-Trichlorobenzene	50.00	55.5	111	65 - 135
1,1,2-Trichloroethane	50.00	53.4	107	75 - 125
1,1,1-Trichloroethane	50.00	49.1	98.2	65 - 130
Trichloroethene	50.00	53.9	108	70 - 125
Trichlorofluoromethane	50.00	46.6	93.1	60 - 145
1,2,3-Trichloropropane	50.00	53.5	107	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D06007	Laboratory ID:	1D06007-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	51.9	104	75 - 130
1,2,4-Trimethylbenzene	50.00	54.9	110	75 - 130
Vinyl chloride	50.00	50.6	101	50 - 145
m,p-Xylene	100.0	111	111	75 - 130
o-Xylene	50.00	55.4	111	80 - 120

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	**40.00**	**93.6**	**234 ***	**0.188**	**30**	**40 - 140**
Benzene	50.00	57.5	115	5.82	30	80 - 120
Bromobenzene	50.00	54.2	108	4.64	30	75 - 125
Bromochloromethane	50.00	57.1	114	8.72	30	65 - 130
Bromodichloromethane	50.00	58.2	116	5.21	30	75 - 120
Bromoform	50.00	58.3	117	5.14	30	70 - 130
Bromomethane	50.00	36.9	73.8	11.3	30	30 - 145
n-Butylbenzene	50.00	55.1	110	0.310	30	70 - 135
2-Butanone	**40.00**	**84.9**	**212 ***	**9.36**	**30**	**30 - 150**
sec-Butylbenzene	50.00	52.0	104	2.07	30	70 - 125
tert-Butylbenzene	50.00	51.3	103	4.18	30	70 - 130
Carbon disulfide	50.00	55.2	110	0.715	30	35 - 160
Carbon tetrachloride	50.00	52.7	105	6.55	30	65 - 140
Chlorobenzene	50.00	57.3	115	9.67	30	80 - 120
Chloroethane	50.00	47.8	95.5	0.919	30	60 - 135
Chloroform	50.00	53.6	107	7.90	30	65 - 135
Chloromethane	50.00	54.5	109	5.68	30	40 - 125
2-Chlorotoluene	50.00	54.4	109	2.42	30	75 - 125
4-Chlorotoluene	50.00	57.2	114	6.88	30	75 - 130
Dibromochloromethane	50.00	61.6	123	7.78	30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	51.6	103	5.75	30	50 - 130
1,2-Dibromoethane (EDB)	50.00	55.2	110	1.58	30	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D06007	Laboratory ID:	1D06007-BSD1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Dibromomethane	50.00	58.8	118	7.62	30	75 - 125
1,2-Dichlorobenzene	50.00	57.8	116	4.92	30	70 - 120
1,3-Dichlorobenzene	50.00	51.5	103	3.00	30	75 - 125
1,4-Dichlorobenzene	50.00	52.1	104	4.61	30	75 - 125
Dichlorodifluoromethane	50.00	67.5	135	4.19	30	30 - 155
1,1-Dichloroethane	50.00	54.9	110	5.89	30	70 - 135
1,2-Dichloroethane	50.00	56.3	113	12.4	30	70 - 130
1,1-Dichloroethene	50.00	59.1	118	0.620	30	70 - 130
cis-1,2-Dichloroethene	50.00	56.3	113	5.20	30	70 - 125
trans-1,2-Dichloroethene	50.00	53.6	107	1.68	30	60 - 140
1,2-Dichloropropane	50.00	51.1	102	4.47	30	75 - 125
1,3-Dichloropropane	50.00	55.5	111	8.04	30	75 - 125
2,2-Dichloropropane	50.00	50.8	102	0.634	30	70 - 135
1,1-Dichloropropene	50.00	56.5	113	3.81	30	75 - 130
cis-1,3-Dichloropropene	50.00	54.8	110	8.75	30	70 - 130
trans-1,3-Dichloropropene	50.00	59.9	120	4.60	30	55 - 140
Ethylbenzene	50.00	58.0	116	4.19	30	75 - 125
Hexachlorobutadiene	50.00	47.2	94.5	3.34	30	50 - 140
2-Hexanone	**40.00**	**96.9**	**242 ***	**6.13**	**30**	**55 - 130**
Isopropylbenzene	50.00	59.2	118	0.0559	30	75 - 125
p-Isopropyltoluene	50.00	55.0	110	1.96	30	75 - 130
Methylene chloride	50.00	57.3	115	14.3	30	55 - 140
Naphthalene	50.00	54.5	109	3.46	30	55 - 140
4-Methyl-2-pentanone	**40.00**	**97.4**	**243 ***	**7.09**	**30**	**60 - 135**
Methyl t-Butyl Ether	50.00	53.4	107	3.62	30	65 - 125
n-Propylbenzene	50.00	56.8	114	7.04	30	70 - 130
Styrene	50.00	58.0	116	4.70	30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	56.3	113	8.43	30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	56.5	113	7.50	30	80 - 130
Tetrachloroethene	50.00	53.5	107	1.70	30	45 - 150

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D06007	Laboratory ID:	1D06007-BSD1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Toluene	50.00	56.6	113	4.44	30	75 - 120
1,2,3-Trichlorobenzene	50.00	57.5	115	1.85	30	55 - 140
1,2,4-Trichlorobenzene	50.00	53.4	107	3.84	30	65 - 135
1,1,2-Trichloroethane	50.00	57.9	116	7.97	30	75 - 125
1,1,1-Trichloroethane	50.00	53.6	107	8.69	30	65 - 130
Trichloroethene	50.00	53.8	108	0.319	30	70 - 125
Trichlorofluoromethane	50.00	53.7	107	14.3	30	60 - 145
1,2,3-Trichloropropane	50.00	57.6	115	7.41	30	75 - 125
1,3,5-Trimethylbenzene	50.00	57.4	115	10.1	30	75 - 130
1,2,4-Trimethylbenzene	50.00	58.1	116	5.81	30	75 - 130
Vinyl chloride	50.00	46.9	93.9	7.45	30	50 - 145
m,p-Xylene	100.0	117	117	5.28	30	75 - 130
o-Xylene	50.00	59.5	119	7.11	30	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D07025	Laboratory ID:	1D07025-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acetone	100.0	109	109	40 - 140
Benzene	50.00	54.7	109	80 - 120
Bromobenzene	50.00	49.1	98.1	75 - 125
Bromochloromethane	50.00	53.9	108	65 - 130
Bromodichloromethane	50.00	51.1	102	75 - 120
Bromoform	50.00	57.3	115	70 - 130
Bromomethane	50.00	34.8	69.6	30 - 145
n-Butylbenzene	50.00	44.8	89.7	70 - 135
2-Butanone	100.0	103	103	30 - 150
sec-Butylbenzene	50.00	43.7	87.5	70 - 125
tert-Butylbenzene	50.00	43.3	86.6	70 - 130
Carbon disulfide	50.00	51.6	103	35 - 160
Carbon tetrachloride	50.00	44.2	88.4	65 - 140
Chlorobenzene	50.00	50.2	100	80 - 120
Chloroethane	50.00	40.6	81.1	60 - 135
Chloroform	50.00	48.9	97.8	65 - 135
Chloromethane	50.00	43.0	86.0	40 - 125
2-Chlorotoluene	50.00	44.8	89.6	75 - 125
4-Chlorotoluene	50.00	46.1	92.1	75 - 130
Dibromochloromethane	50.00	56.5	113	60 - 135
1,2-Dibromo-3-chloropropane	50.00	48.3	96.5	50 - 130
1,2-Dibromoethane (EDB)	50.00	55.4	111	80 - 120
Dibromomethane	50.00	53.4	107	75 - 125
1,2-Dichlorobenzene	50.00	50.0	99.9	70 - 120
1,3-Dichlorobenzene	50.00	45.5	91.1	75 - 125
1,4-Dichlorobenzene	50.00	45.4	90.8	75 - 125
Dichlorodifluoromethane	50.00	51.5	103	30 - 155
1,1-Dichloroethane	50.00	52.5	105	70 - 135
1,2-Dichloroethane	50.00	49.0	98.0	70 - 130
1,1-Dichloroethene	50.00	53.8	108	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D07025	Laboratory ID:	1D07025-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	53.6	107	70 - 125
trans-1,2-Dichloroethene	50.00	52.0	104	60 - 140
1,2-Dichloropropane	50.00	48.2	96.4	75 - 125
1,3-Dichloropropane	50.00	51.4	103	75 - 125
2,2-Dichloropropane	50.00	43.7	87.3	70 - 135
1,1-Dichloropropene	50.00	49.2	98.3	75 - 130
cis-1,3-Dichloropropene	50.00	50.3	101	70 - 130
trans-1,3-Dichloropropene	50.00	54.5	109	55 - 140
Ethylbenzene	50.00	50.8	102	75 - 125
Hexachlorobutadiene	50.00	41.0	81.9	50 - 140
2-Hexanone	100.0	109	109	55 - 130
Isopropylbenzene	50.00	52.8	106	75 - 125
p-Isopropyltoluene	50.00	45.1	90.3	75 - 130
Methylene chloride	50.00	55.4	111	55 - 140
Naphthalene	50.00	50.2	100	55 - 140
4-Methyl-2-pentanone	100.0	110	110	60 - 135
Methyl t-Butyl Ether	50.00	54.2	108	65 - 125
n-Propylbenzene	50.00	45.9	91.7	70 - 130
Styrene	50.00	51.6	103	65 - 135
1,1,2,2-Tetrachloroethane	50.00	52.0	104	65 - 130
1,1,1,2-Tetrachloroethane	50.00	51.2	102	80 - 130
Tetrachloroethene	50.00	49.0	98.0	45 - 150
Toluene	50.00	50.9	102	75 - 120
1,2,3-Trichlorobenzene	50.00	52.3	105	55 - 140
1,2,4-Trichlorobenzene	50.00	48.7	97.4	65 - 135
1,1,2-Trichloroethane	50.00	54.0	108	75 - 125
1,1,1-Trichloroethane	50.00	44.2	88.5	65 - 130
Trichloroethene	50.00	48.2	96.3	70 - 125
Trichlorofluoromethane	50.00	38.8	77.7	60 - 145
1,2,3-Trichloropropane	50.00	53.4	107	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D07025	Laboratory ID:	1D07025-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	47.2	94.4	75 - 130
1,2,4-Trimethylbenzene	50.00	47.3	94.7	75 - 130
Vinyl chloride	50.00	36.3	72.5	50 - 145
m,p-Xylene	100.0	99.8	99.8	75 - 130
o-Xylene	50.00	50.2	100	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D11011	Laboratory ID:	1D11011-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acetone	100.0	104	104	40 - 140
Benzene	50.00	54.6	109	80 - 120
Bromobenzene	50.00	53.0	106	75 - 125
Bromochloromethane	50.00	54.9	110	65 - 130
Bromodichloromethane	50.00	55.8	112	75 - 120
Bromoform	50.00	54.5	109	70 - 130
Bromomethane	50.00	57.3	115	30 - 145
n-Butylbenzene	50.00	53.4	107	70 - 135
2-Butanone	100.0	123	123	30 - 150
sec-Butylbenzene	50.00	52.9	106	70 - 125
tert-Butylbenzene	50.00	54.3	109	70 - 130
Carbon disulfide	50.00	54.9	110	35 - 160
Carbon tetrachloride	50.00	54.2	108	65 - 140
Chlorobenzene	50.00	55.9	112	80 - 120
Chloroethane	50.00	53.6	107	60 - 135
Chloroform	50.00	54.6	109	65 - 135
Chloromethane	50.00	56.5	113	40 - 125
2-Chlorotoluene	50.00	52.6	105	75 - 125
4-Chlorotoluene	50.00	54.1	108	75 - 130
Dibromochloromethane	50.00	55.3	111	60 - 135
1,2-Dibromo-3-chloropropane	50.00	50.2	100	50 - 130
1,2-Dibromoethane (EDB)	50.00	54.3	109	80 - 120
Dibromomethane	50.00	50.7	101	75 - 125
1,2-Dichlorobenzene	50.00	53.7	107	70 - 120
1,3-Dichlorobenzene	50.00	50.0	100	75 - 125
1,4-Dichlorobenzene	50.00	55.6	111	75 - 125
Dichlorodifluoromethane	50.00	57.6	115	30 - 155
1,1-Dichloroethane	50.00	54.9	110	70 - 135
1,2-Dichloroethane	50.00	53.6	107	70 - 130
1,1-Dichloroethene	50.00	57.7	115	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D11011	Laboratory ID:	1D11011-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	54.2	108	70 - 125
trans-1,2-Dichloroethene	50.00	56.0	112	60 - 140
1,2-Dichloropropane	50.00	53.1	106	75 - 125
1,3-Dichloropropane	50.00	51.5	103	75 - 125
2,2-Dichloropropane	50.00	60.2	120	70 - 135
1,1-Dichloropropene	50.00	54.8	110	75 - 130
cis-1,3-Dichloropropene	50.00	54.1	108	70 - 130
trans-1,3-Dichloropropene	50.00	56.8	114	55 - 140
Ethylbenzene	50.00	56.4	113	75 - 125
Hexachlorobutadiene	50.00	55.3	111	50 - 140
2-Hexanone	100.0	120	120	55 - 130
Isopropylbenzene	50.00	55.3	111	75 - 125
p-Isopropyltoluene	50.00	59.6	119	75 - 130
Methylene chloride	50.00	55.4	111	55 - 140
Naphthalene	50.00	50.2	100	55 - 140
4-Methyl-2-pentanone	100.0	120	120	60 - 135
Methyl t-Butyl Ether	50.00	53.7	107	65 - 125
n-Propylbenzene	50.00	55.8	112	70 - 130
Styrene	50.00	55.2	110	65 - 135
1,1,2,2-Tetrachloroethane	50.00	50.8	102	65 - 130
1,1,1,2-Tetrachloroethane	50.00	55.0	110	80 - 130
Tetrachloroethene	50.00	54.5	109	45 - 150
Toluene	50.00	57.2	114	75 - 120
1,2,3-Trichlorobenzene	50.00	48.3	96.7	55 - 140
1,2,4-Trichlorobenzene	50.00	48.9	97.7	65 - 135
1,1,2-Trichloroethane	50.00	50.6	101	75 - 125
1,1,1-Trichloroethane	50.00	50.7	101	65 - 130
Trichloroethene	50.00	55.2	110	70 - 125
Trichlorofluoromethane	50.00	55.6	111	60 - 145
1,2,3-Trichloropropane	50.00	52.5	105	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D11011	Laboratory ID:	1D11011-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	54.4	109	75 - 130
1,2,4-Trimethylbenzene	50.00	55.2	110	75 - 130
Vinyl chloride	50.00	48.0	95.9	50 - 145
m,p-Xylene	100.0	111	111	75 - 130
o-Xylene	50.00	54.8	110	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D14014	Laboratory ID:	1D14014-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acetone	100.0	104	104	40 - 140
Benzene	50.00	53.1	106	80 - 120
Bromobenzene	50.00	50.3	101	75 - 125
Bromochloromethane	50.00	52.5	105	65 - 130
Bromodichloromethane	50.00	54.1	108	75 - 120
Bromoform	50.00	51.2	102	70 - 130
Bromomethane	50.00	36.1	72.3	30 - 145
n-Butylbenzene	50.00	50.5	101	70 - 135
2-Butanone	100.0	95.3	95.3	30 - 150
sec-Butylbenzene	50.00	50.6	101	70 - 125
tert-Butylbenzene	50.00	50.6	101	70 - 130
Carbon disulfide	50.00	55.6	111	35 - 160
Carbon tetrachloride	50.00	52.7	105	65 - 140
Chlorobenzene	50.00	52.0	104	80 - 120
Chloroethane	50.00	54.2	108	60 - 135
Chloroform	50.00	51.9	104	65 - 135
Chloromethane	50.00	47.1	94.2	40 - 125
2-Chlorotoluene	50.00	51.7	103	75 - 125
4-Chlorotoluene	50.00	55.2	110	75 - 130
Dibromochloromethane	50.00	54.1	108	60 - 135
1,2-Dibromo-3-chloropropane	50.00	47.9	95.8	50 - 130
1,2-Dibromoethane (EDB)	50.00	50.1	100	80 - 120
Dibromomethane	50.00	52.3	105	75 - 125
1,2-Dichlorobenzene	50.00	50.9	102	70 - 120
1,3-Dichlorobenzene	50.00	56.2	112	75 - 125
1,4-Dichlorobenzene	50.00	45.5	91.1	75 - 125
Dichlorodifluoromethane	50.00	51.8	104	30 - 155
1,1-Dichloroethane	50.00	52.6	105	70 - 135
1,2-Dichloroethane	50.00	52.6	105	70 - 130
1,1-Dichloroethene	50.00	54.7	109	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D14014	Laboratory ID:	1D14014-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	51.2	102	70 - 125
trans-1,2-Dichloroethene	50.00	52.7	105	60 - 140
1,2-Dichloropropane	50.00	54.0	108	75 - 125
1,3-Dichloropropane	50.00	49.6	99.2	75 - 125
2,2-Dichloropropane	50.00	47.2	94.4	70 - 135
1,1-Dichloropropene	50.00	55.0	110	75 - 130
cis-1,3-Dichloropropene	50.00	50.3	101	70 - 130
trans-1,3-Dichloropropene	50.00	54.9	110	55 - 140
Ethylbenzene	50.00	51.3	103	75 - 125
Hexachlorobutadiene	50.00	48.3	96.5	50 - 140
2-Hexanone	100.0	119	119	55 - 130
Isopropylbenzene	50.00	51.8	104	75 - 125
p-Isopropyltoluene	50.00	52.4	105	75 - 130
Methylene chloride	50.00	53.1	106	55 - 140
Naphthalene	50.00	45.8	91.7	55 - 140
4-Methyl-2-pentanone	100.0	114	114	60 - 135
Methyl t-Butyl Ether	50.00	49.3	98.7	65 - 125
n-Propylbenzene	50.00	52.3	105	70 - 130
Styrene	50.00	54.1	108	65 - 135
1,1,2,2-Tetrachloroethane	50.00	49.2	98.4	65 - 130
1,1,1,2-Tetrachloroethane	50.00	51.8	104	80 - 130
Tetrachloroethene	50.00	49.6	99.2	45 - 150
Toluene	50.00	52.1	104	75 - 120
1,2,3-Trichlorobenzene	50.00	45.4	90.7	55 - 140
1,2,4-Trichlorobenzene	50.00	45.2	90.4	65 - 135
1,1,2-Trichloroethane	50.00	49.3	98.5	75 - 125
1,1,1-Trichloroethane	50.00	49.0	98.1	65 - 130
Trichloroethene	50.00	51.7	103	70 - 125
Trichlorofluoromethane	50.00	53.7	107	60 - 145
1,2,3-Trichloropropane	50.00	46.1	92.2	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D14014	Laboratory ID:	1D14014-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	53.3	107	75 - 130
1,2,4-Trimethylbenzene	50.00	52.3	105	75 - 130
Vinyl chloride	50.00	50.1	100	50 - 145
m,p-Xylene	100.0	104	104	75 - 130
o-Xylene	50.00	51.3	103	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D16007	Laboratory ID:	1D16007-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acetone	100.0	92.6	92.6	40 - 140
Benzene	50.00	53.1	106	80 - 120
Bromobenzene	50.00	50.1	100	75 - 125
Bromochloromethane	50.00	54.1	108	65 - 130
Bromodichloromethane	50.00	55.6	111	75 - 120
Bromoform	50.00	49.1	98.2	70 - 130
Bromomethane	50.00	22.3	44.6	30 - 145
n-Butylbenzene	50.00	50.9	102	70 - 135
2-Butanone	100.0	104	104	30 - 150
sec-Butylbenzene	50.00	50.2	100	70 - 125
tert-Butylbenzene	50.00	49.7	99.4	70 - 130
Carbon disulfide	50.00	55.7	111	35 - 160
Carbon tetrachloride	50.00	49.7	99.4	65 - 140
Chlorobenzene	50.00	52.5	105	80 - 120
Chloroethane	**50.00**	**73.2**	**146**	**60 - 135**
Chloroform	50.00	52.6	105	65 - 135
Chloromethane	50.00	38.5	76.9	40 - 125
2-Chlorotoluene	50.00	48.4	96.7	75 - 125
4-Chlorotoluene	50.00	50.7	101	75 - 130
Dibromochloromethane	50.00	55.5	111	60 - 135
1,2-Dibromo-3-chloropropane	50.00	44.9	89.9	50 - 130
1,2-Dibromoethane (EDB)	50.00	50.6	101	80 - 120
Dibromomethane	50.00	52.3	105	75 - 125
1,2-Dichlorobenzene	50.00	49.3	98.7	70 - 120
1,3-Dichlorobenzene	50.00	49.9	99.8	75 - 125
1,4-Dichlorobenzene	50.00	53.0	106	75 - 125
Dichlorodifluoromethane	50.00	52.1	104	30 - 155
1,1-Dichloroethane	50.00	53.0	106	70 - 135
1,2-Dichloroethane	50.00	54.2	108	70 - 130
1,1-Dichloroethene	50.00	55.6	111	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D16007	Laboratory ID:	1D16007-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	52.3	105	70 - 125
trans-1,2-Dichloroethene	50.00	52.7	105	60 - 140
1,2-Dichloropropane	50.00	51.9	104	75 - 125
1,3-Dichloropropane	50.00	50.7	101	75 - 125
2,2-Dichloropropane	50.00	54.8	110	70 - 135
1,1-Dichloropropene	50.00	49.7	99.3	75 - 130
cis-1,3-Dichloropropene	50.00	54.5	109	70 - 130
trans-1,3-Dichloropropene	50.00	55.6	111	55 - 140
Ethylbenzene	50.00	52.0	104	75 - 125
Hexachlorobutadiene	50.00	49.0	98.1	50 - 140
2-Hexanone	100.0	100	100	55 - 130
Isopropylbenzene	50.00	52.5	105	75 - 125
p-Isopropyltoluene	50.00	53.8	108	75 - 130
Methylene chloride	50.00	54.7	109	55 - 140
Naphthalene	50.00	47.7	95.5	55 - 140
4-Methyl-2-pentanone	100.0	105	105	60 - 135
Methyl t-Butyl Ether	50.00	48.3	96.5	65 - 125
n-Propylbenzene	50.00	49.8	99.7	70 - 130
Styrene	50.00	52.1	104	65 - 135
1,1,2,2-Tetrachloroethane	50.00	47.9	95.8	65 - 130
1,1,1,2-Tetrachloroethane	50.00	51.3	103	80 - 130
Tetrachloroethene	50.00	49.1	98.2	45 - 150
Toluene	50.00	53.5	107	75 - 120
1,2,3-Trichlorobenzene	50.00	47.0	93.9	55 - 140
1,2,4-Trichlorobenzene	50.00	44.4	88.7	65 - 135
1,1,2-Trichloroethane	50.00	47.8	95.7	75 - 125
1,1,1-Trichloroethane	50.00	49.2	98.5	65 - 130
Trichloroethene	50.00	53.1	106	70 - 125
Trichlorofluoromethane	50.00	53.6	107	60 - 145
1,2,3-Trichloropropane	50.00	51.4	103	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D16007	Laboratory ID:	1D16007-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	49.8	99.7	75 - 130
1,2,4-Trimethylbenzene	50.00	51.1	102	75 - 130
Vinyl chloride	50.00	46.7	93.4	50 - 145
m,p-Xylene	100.0	104	104	75 - 130
o-Xylene	50.00	49.9	99.7	80 - 120

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	96.6	96.6	4.24	30	40 - 140
Benzene	50.00	54.8	110	3.16	30	80 - 120
Bromobenzene	50.00	48.0	96.1	4.24	30	75 - 125
Bromochloromethane	50.00	55.8	112	3.24	30	65 - 130
Bromodichloromethane	50.00	57.7	115	3.86	30	75 - 120
Bromoform	50.00	46.5	93.0	5.39	30	70 - 130
Bromomethane	50.00	27.3	54.5	20.1	30	30 - 145
n-Butylbenzene	50.00	48.1	96.3	5.64	30	70 - 135
2-Butanone	100.0	96.2	96.2	8.25	30	30 - 150
sec-Butylbenzene	50.00	49.4	98.8	1.66	30	70 - 125
tert-Butylbenzene	50.00	49.7	99.3	0.0393	30	70 - 130
Carbon disulfide	50.00	54.9	110	1.44	30	35 - 160
Carbon tetrachloride	50.00	55.0	110	10.1	30	65 - 140
Chlorobenzene	50.00	52.4	105	0.290	30	80 - 120
Chloroethane	50.00	55.9	112	26.7	30	60 - 135
Chloroform	50.00	56.0	112	6.32	30	65 - 135
Chloromethane	50.00	52.2	104	30.4 *	30	40 - 125
2-Chlorotoluene	50.00	50.4	101	4.15	30	75 - 125
4-Chlorotoluene	50.00	48.8	97.5	3.81	30	75 - 130
Dibromochloromethane	50.00	52.0	104	6.47	30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	42.5	85.0	5.62	30	50 - 130
1,2-Dibromoethane (EDB)	50.00	50.3	101	0.439	30	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D16007	Laboratory ID:	1D16007-BSD1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Dibromomethane	50.00	54.3	109	3.81	30	75 - 125
1,2-Dichlorobenzene	50.00	49.0	98.0	0.662	30	70 - 120
1,3-Dichlorobenzene	50.00	47.9	95.7	4.19	30	75 - 125
1,4-Dichlorobenzene	50.00	46.2	92.4	13.7	30	75 - 125
Dichlorodifluoromethane	50.00	61.2	122	16.1	30	30 - 155
1,1-Dichloroethane	50.00	56.4	113	6.35	30	70 - 135
1,2-Dichloroethane	50.00	56.8	114	4.74	30	70 - 130
1,1-Dichloroethene	50.00	58.6	117	5.29	30	70 - 130
cis-1,2-Dichloroethene	50.00	55.4	111	5.72	30	70 - 125
trans-1,2-Dichloroethene	50.00	56.2	112	6.52	30	60 - 140
1,2-Dichloropropane	50.00	54.7	109	5.24	30	75 - 125
1,3-Dichloropropane	50.00	52.1	104	2.71	30	75 - 125
2,2-Dichloropropane	50.00	49.5	99.0	10.2	30	70 - 135
1,1-Dichloropropene	50.00	55.2	110	10.5	30	75 - 130
cis-1,3-Dichloropropene	50.00	52.7	105	3.44	30	70 - 130
trans-1,3-Dichloropropene	50.00	57.3	115	3.12	30	55 - 140
Ethylbenzene	50.00	53.4	107	2.68	30	75 - 125
Hexachlorobutadiene	50.00	40.7	81.3	18.7	30	50 - 140
2-Hexanone	100.0	100	100	0.132	30	55 - 130
Isopropylbenzene	50.00	52.1	104	0.749	30	75 - 125
p-Isopropyltoluene	50.00	50.8	102	5.58	30	75 - 130
Methylene chloride	50.00	56.0	112	2.33	30	55 - 140
Naphthalene	50.00	41.4	82.8	14.2	30	55 - 140
4-Methyl-2-pentanone	100.0	102	102	3.54	30	60 - 135
Methyl t-Butyl Ether	50.00	47.5	94.9	1.70	30	65 - 125
n-Propylbenzene	50.00	49.6	99.2	0.495	30	70 - 130
Styrene	50.00	50.1	100	3.92	30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	45.7	91.4	4.65	30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	51.9	104	1.09	30	80 - 130
Tetrachloroethene	50.00	47.8	95.7	2.61	30	45 - 150

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D16007	Laboratory ID:	1D16007-BSD1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Toluene	50.00	53.0	106	1.02	30	75 - 120
1,2,3-Trichlorobenzene	50.00	39.9	79.8	16.2	30	55 - 140
1,2,4-Trichlorobenzene	50.00	42.1	84.1	5.36	30	65 - 135
1,1,2-Trichloroethane	50.00	50.9	102	6.13	30	75 - 125
1,1,1-Trichloroethane	50.00	54.7	109	10.4	30	65 - 130
Trichloroethene	50.00	53.1	106	0.157	30	70 - 125
Trichlorofluoromethane	50.00	59.7	119	10.7	30	60 - 145
1,2,3-Trichloropropane	50.00	47.9	95.7	7.08	30	75 - 125
1,3,5-Trimethylbenzene	50.00	51.1	102	2.56	30	75 - 130
1,2,4-Trimethylbenzene	50.00	51.5	103	0.756	30	75 - 130
Vinyl chloride	50.00	56.8	114	19.5	30	50 - 145
m,p-Xylene	100.0	98.6	98.6	5.06	30	75 - 130
o-Xylene	50.00	49.2	98.5	1.27	30	80 - 120

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 1D06007 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0047	1104024-01	04/06/11 00:00	5.00	5.00
GW0069	1104024-03	04/06/11 00:00	5.00	5.00
Blank	1D06007-BLK1	04/06/11 00:00	5.00	5.00
LCS	1D06007-BS1	04/06/11 00:00	5.00	5.00
LCS Dup	1D06007-BSD1	04/06/11 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 1D07025 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW8022-TB	1104024-05	04/07/11 00:00	5.00	5.00
Blank	1D07025-BLK1	04/07/11 00:00	5.00	5.00
LCS	1D07025-BS1	04/07/11 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 1D11011 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0040	1104061-01	04/11/11 00:00	5.00	5.00
GW8024-TB	1104061-03	04/11/11 00:00	5.00	5.00
Blank	1D11011-BLK1	04/11/11 00:00	5.00	5.00
LCS	1D11011-BS1	04/11/11 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 1D14014 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0057	1104086-01	04/14/11 00:00	5.00	5.00
GW8011-AB	1104086-06	04/14/11 00:00	5.00	5.00
Blank	1D14014-BLK1	04/14/11 00:00	5.00	5.00
LCS	1D14014-BS1	04/14/11 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 1D16007 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0071	1104086-03RE1	04/16/11 00:00	5.00	5.00
GW8025-TB	1104086-05	04/16/11 00:00	5.00	5.00
Blank	1D16007-BLK1	04/16/11 00:00	5.00	5.00
LCS	1D16007-BS1	04/16/11 00:00	5.00	5.00
LCS Dup	1D16007-BSD1	04/16/11 00:00	5.00	5.00

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0307TU1.D	Injection Date:	03/07/11
Instrument ID:	MS-VOA5	Injection Time:	12:22
Sequence:	1C07710	Lab Sample ID:	1C07710-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	29.7	PASS
75	30 - 60% of 95	59.7	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.36	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	73.4	PASS
175	5 - 9% of 174	8.34	PASS
176	95 - 101% of 174	99.3	PASS
177	5 - 9% of 176	6.54	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0317TU2.D	Injection Date:	03/17/11
Instrument ID:	MS-VOA5	Injection Time:	18:43
Sequence:	1C07710	Lab Sample ID:	1C07710-TUN2

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	22.7	PASS
75	30 - 60% of 95	50.9	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.95	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	97.6	PASS
175	5 - 9% of 174	8.17	PASS
176	95 - 101% of 174	96.9	PASS
177	5 - 9% of 176	5.26	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0322TU1.D	Injection Date:	03/22/11
Instrument ID:	MS-VOA4	Injection Time:	11:42
Sequence:	1C08402	Lab Sample ID:	1C08402-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	17.8	PASS
75	30 - 60% of 95	40.6	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.26	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	78.8	PASS
175	5 - 9% of 174	8.17	PASS
176	95 - 101% of 174	95.6	PASS
177	5 - 9% of 176	7.34	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0324TU2.D	Injection Date:	03/24/11
Instrument ID:	MS-VOA4	Injection Time:	11:41
Sequence:	1C08402	Lab Sample ID:	1C08402-TUN2

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	18.7	PASS
75	30 - 60% of 95	44	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.41	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	65.9	PASS
175	5 - 9% of 174	8.4	PASS
176	95 - 101% of 174	98.2	PASS
177	5 - 9% of 176	7.73	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0406TU1.D	Injection Date:	04/06/11
Instrument ID:	MS-VOA5	Injection Time:	07:44
Sequence:	1D09704	Lab Sample ID:	1D09704-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	28.7	PASS
75	30 - 60% of 95	56.7	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.32	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	77.6	PASS
175	5 - 9% of 174	8.04	PASS
176	95 - 101% of 174	96.3	PASS
177	5 - 9% of 176	6.9	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0407TU1.D	Injection Date:	04/07/11
Instrument ID:	MS-VOA5	Injection Time:	14:09
Sequence:	1D09804	Lab Sample ID:	1D09804-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	29.8	PASS
75	30 - 60% of 95	58.9	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.56	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	63.3	PASS
175	5 - 9% of 174	7.49	PASS
176	95 - 101% of 174	97.3	PASS
177	5 - 9% of 176	7.2	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0411TU1.D	Injection Date:	04/11/11
Instrument ID:	MS-VOA4	Injection Time:	07:06
Sequence:	1D10205	Lab Sample ID:	1D10205-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	20	PASS
75	30 - 60% of 95	42.7	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.13	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	64.9	PASS
175	5 - 9% of 174	8.4	PASS
176	95 - 101% of 174	95.3	PASS
177	5 - 9% of 176	6.83	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0414TU1.D	Injection Date:	04/14/11
Instrument ID:	MS-VOA4	Injection Time:	12:04
Sequence:	1D10504	Lab Sample ID:	1D10504-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	17.5	PASS
75	30 - 60% of 95	41.7	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.94	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	87.9	PASS
175	5 - 9% of 174	7.32	PASS
176	95 - 101% of 174	100	PASS
177	5 - 9% of 176	6.93	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0416TU1.D	Injection Date:	04/16/11
Instrument ID:	MS-VOA4	Injection Time:	10:38
Sequence:	1D10914	Lab Sample ID:	1D10914-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	19.8	PASS
75	30 - 60% of 95	43.6	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.34	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	69.7	PASS
175	5 - 9% of 174	7.68	PASS
176	95 - 101% of 174	95	PASS
177	5 - 9% of 176	6.58	PASS

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1C07710	Instrument:	MS-VOA5
Calibration:	1078001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1C07710-TUN1	0307TU1.D	03/07/11 12:22
Cal Standard	1C07710-CAL1	0307CAL1.D	03/07/11 12:53
Cal Standard	1C07710-CAL2	0307CAL2.D	03/07/11 13:23
Cal Standard	1C07710-CAL3	0307CAL3.D	03/07/11 13:53
Cal Standard	1C07710-CAL4	0307CAL4.D	03/07/11 14:23
Cal Standard	1C07710-CAL5	0307CAL5.D	03/07/11 14:54
Cal Standard	1C07710-CAL6	0307CAL6.D	03/07/11 15:24
Cal Standard	1C07710-CAL7	0307CAL7.D	03/07/11 15:54
Cal Standard	1C07710-CAL8	0307CAL8.D	03/07/11 16:24
Cal Standard	1C07710-CAL9	0307CAL9.D	03/07/11 16:54
Initial Cal Check	1C07710-ICV1	0307ICV1.D	03/07/11 17:25
Initial Cal Check	1C07710-ICV2	0307ICV2.D	03/07/11 17:55
MS Tune	1C07710-TUN2	0317TU2.D	03/17/11 18:43
Cal Standard	1C07710-CALB	0317CAL2.D	03/17/11 19:13
Cal Standard	1C07710-CALC	0317CAL3.D	03/17/11 20:14
Cal Standard	1C07710-CALD	0317CAL4.D	03/17/11 20:44
Cal Standard	1C07710-CALE	0317CAL5.D	03/17/11 21:14
Cal Standard	1C07710-CALF	0317CAL6.D	03/17/11 21:44
Cal Standard	1C07710-CALG	0317CAL7.D	03/17/11 22:14
Cal Standard	1C07710-CALH	0317CAL8.D	03/17/11 22:44
Cal Standard	1C07710-CALI	0317CAL9.D	03/17/11 23:15
Initial Cal Check	1C07710-ICV3	0317ICV3.D	03/17/11 23:45

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1C08402	Instrument:	MS-VOA4
Calibration:	1084001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1C08402-TUN1	0322TU1.D	03/22/11 11:42
Cal Standard	1C08402-CAL1	0322CAL1.D	03/22/11 12:12
Cal Standard	1C08402-CAL2	0322CAL2.D	03/22/11 12:42
Cal Standard	1C08402-CAL3	0322CAL3.D	03/22/11 13:11
Cal Standard	1C08402-CAL4	0322CAL4.D	03/22/11 13:41
Cal Standard	1C08402-CAL5	0322CAL5.D	03/22/11 14:11
Cal Standard	1C08402-CAL6	0322CAL6.D	03/22/11 14:41
Cal Standard	1C08402-CAL7	0322CAL7.D	03/22/11 15:10
Cal Standard	1C08402-CAL8	0322CAL8.D	03/22/11 15:40
Cal Standard	1C08402-CAL9	0322CAL9.D	03/22/11 16:10
Initial Cal Check	1C08402-ICV2	0322ICV2.D	03/22/11 17:09
Cal Standard	1C08402-CALA	0322CALA.D	03/22/11 17:39
Cal Standard	1C08402-CALB	0322CALB.D	03/22/11 18:09
Cal Standard	1C08402-CALC	0322CALC.D	03/22/11 18:38
Cal Standard	1C08402-CALD	0322CALD.D	03/22/11 19:08
Cal Standard	1C08402-CALE	0322CALE.D	03/22/11 19:37
Cal Standard	1C08402-CALF	0322CALF.D	03/22/11 20:07
Cal Standard	1C08402-CALG	0322CALG.D	03/22/11 20:37
Cal Standard	1C08402-CALH	0322CALH.D	03/22/11 21:07
Cal Standard	1C08402-CALI	0322CALI.D	03/22/11 21:36
Initial Cal Check	1C08402-ICV4	0322ICV4.D	03/22/11 22:35
MS Tune	1C08402-TUN2	0324TU2.D	03/24/11 11:41
Cal Standard	1C08402-CALJ	0324CALJ.D	03/24/11 12:10
Cal Standard	1C08402-CALK	0324CALK.D	03/24/11 12:40
Cal Standard	1C08402-CALL	0324CALL.D	03/24/11 13:09
Cal Standard	1C08402-CALM	0324CALM.D	03/24/11 13:39
Cal Standard	1C08402-CALN	0324CALN.D	03/24/11 14:09
Cal Standard	1C08402-CALO	0324CALO.D	03/24/11 14:38
Cal Standard	1C08402-CALP	0324CALP.D	03/24/11 15:08
Cal Standard	1C08402-CALQ	0324CALQ.D	03/24/11 15:37
Cal Standard	1C08402-CALR	0324CALR.D	03/24/11 16:07

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D09704	Instrument:	MS-VOA5
Calibration:	1078001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1D09704-TUN1	0406TU1.D	04/06/11 07:44
Calibration Check	1D09704-CCV1	0406CC1.D	04/06/11 08:14
LCS	1D06007-BS1	0406LS1.D	04/06/11 08:45
Blank	1D06007-BLK1	0406BL1.D	04/06/11 10:43
GW0047	1104024-01	0402401.D	04/06/11 13:15
GW0069	1104024-03	0402403.D	04/06/11 13:45
LCS Dup	1D06007-BSD1	0406LD1.D	04/06/11 15:46

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D09804	Instrument:	MS-VOA5
Calibration:	1078001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1D09804-TUN1	0407TU1.D	04/07/11 14:09
Calibration Check	1D09804-CCV1	0407CC1.D	04/07/11 14:39
LCS	1D07025-BS1	0407LS1.D	04/07/11 15:10
Blank	1D07025-BLK1	0407BL1.D	04/07/11 16:38
GW8022-TB	1104024-05	0402405.D	04/07/11 17:09

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D10205	Instrument:	MS-VOA4
Calibration:	1084001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1D10205-TUN1	0411TU1.D	04/11/11 07:06
Calibration Check	1D10205-CCV1	0411CCV1.D	04/11/11 07:36
LCS	1D11011-BS1	0411LCS1.D	04/11/11 08:05
Blank	1D11011-BLK1	0411BL1.D	04/11/11 09:34
GW8024-TB	1104061-03	0406103.D	04/11/11 10:24
GW0040	1104061-01	0406101.D	04/11/11 11:24

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D10504	Instrument:	MS-VOA4
Calibration:	1084001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1D10504-TUN1	0414TU1.D	04/14/11 12:04
Calibration Check	1D10504-CCV1	0414CCV1.D	04/14/11 12:34
LCS	1D14014-BS1	0414LCS1.D	04/14/11 13:04
Blank	1D14014-BLK1	0414BL1.D	04/14/11 14:33
GW8011-AB	1104086-06	0408606.D	04/14/11 15:32
GW0057	1104086-01	0408601.D	04/14/11 18:01

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D10914	Instrument:	MS-VOA4
Calibration:	1084001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1D10914-TUN1	0416TU1.D	04/16/11 10:38
Calibration Check	1D10914-CCV1	0416CCV1.D	04/16/11 11:07
LCS	1D16007-BS1	0416LCS1.D	04/16/11 11:50
Blank	1D16007-BLK1	0416BL1.D	04/16/11 13:18
GW8025-TB	1104086-05	0408605.D	04/16/11 13:48
GW0071	1104086-03RE1	0408603.D	04/16/11 15:17
LCS Dup	1D16007-BSD1	0416LCD1.D	04/16/11 22:12

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D09704	Instrument:	MS-VOA5
		Calibration:	1078001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1D09704-CCV1)			Lab File ID: 0406CC1.D			Analyzed: 04/06/11 08:14			
Fluorobenzene	1315119	13.185	1293879	13.193	102	50 - 200	-0.0080	+/-0.50	
Chlorobenzene-d5	818240	16.664	767535	16.671	107	50 - 200	-0.0070	+/-0.50	
1,4-Dichlorobenzene-d4	735871	18.704	652164	18.701	113	50 - 200	0.0030	+/-0.50	
LCS (1D06007-BS1)			Lab File ID: 0406LS1.D			Analyzed: 04/06/11 08:45			
Fluorobenzene	1513590	13.194	1315119	13.185	115	50 - 200	0.0090	+/-0.50	
Chlorobenzene-d5	821987	16.663	818240	16.664	100	50 - 200	-0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	749686	18.693	735871	18.704	102	50 - 200	-0.0110	+/-0.50	
Blank (1D06007-BLK1)			Lab File ID: 0406BL1.D			Analyzed: 04/06/11 10:43			
Fluorobenzene	1097065	13.189	1315119	13.185	83	50 - 200	0.0040	+/-0.50	
Chlorobenzene-d5	574155	16.667	818240	16.664	70	50 - 200	0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	506960	18.697	735871	18.704	69	50 - 200	-0.0070	+/-0.50	
GW0047 (1104024-01)			Lab File ID: 0402401.D			Analyzed: 04/06/11 13:15			
Fluorobenzene	1049451	13.2	1315119	13.185	80	50 - 200	0.0150	+/-0.50	
Chlorobenzene-d5	557626	16.668	818240	16.664	68	50 - 200	0.0040	+/-0.50	
1,4-Dichlorobenzene-d4	483042	18.698	735871	18.704	66	50 - 200	-0.0060	+/-0.50	
GW0069 (1104024-03)			Lab File ID: 0402403.D			Analyzed: 04/06/11 13:45			
Fluorobenzene	1008200	13.197	1315119	13.185	77	50 - 200	0.0120	+/-0.50	
Chlorobenzene-d5	550764	16.675	818240	16.664	67	50 - 200	0.0110	+/-0.50	
1,4-Dichlorobenzene-d4	466548	18.705	735871	18.704	63	50 - 200	0.0010	+/-0.50	
LCS Dup (1D06007-BSD1)			Lab File ID: 0406LD1.D			Analyzed: 04/06/11 15:46			
Fluorobenzene	1417437	13.204	1315119	13.185	108	50 - 200	0.0190	+/-0.50	
Chlorobenzene-d5	783234	16.672	818240	16.664	96	50 - 200	0.0080	+/-0.50	
1,4-Dichlorobenzene-d4	707758	18.702	735871	18.704	96	50 - 200	-0.0020	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D09804	Instrument:	MS-VOA5
		Calibration:	1078001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1D09804-CCV1)			Lab File ID: 0407CC1.D			Analyzed: 04/07/11 14:39			
Fluorobenzene	1573284	13.189	1293879	13.193	122	50 - 200	-0.0040	+/-0.50	
Chlorobenzene-d5	906231	16.668	767535	16.671	118	50 - 200	-0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	808623	18.698	652164	18.701	124	50 - 200	-0.0030	+/-0.50	
LCS (1D07025-BS1)			Lab File ID: 0407LS1.D			Analyzed: 04/07/11 15:10			
Fluorobenzene	1652864	13.191	1573284	13.189	105	50 - 200	0.0020	+/-0.50	
Chlorobenzene-d5	910454	16.669	906231	16.668	100	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	836175	18.699	808623	18.698	103	50 - 200	0.0010	+/-0.50	
Blank (1D07025-BLK1)			Lab File ID: 0407BL1.D			Analyzed: 04/07/11 16:38			
Fluorobenzene	1216208	13.195	1573284	13.189	77	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	606211	16.673	906231	16.668	67	50 - 200	0.0050	+/-0.50	
1,4-Dichlorobenzene-d4	556313	18.703	808623	18.698	69	50 - 200	0.0050	+/-0.50	
GW8022-TB (1104024-05)			Lab File ID: 0402405.D			Analyzed: 04/07/11 17:09			
Fluorobenzene	1087058	13.189	1573284	13.189	69	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	554749	16.668	906231	16.668	61	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	512682	18.698	808623	18.698	63	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D10205	Instrument:	MS-VOA4
		Calibration:	1084001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1D10205-CCV1)			Lab File ID: 0411CCV1.D			Analyzed: 04/11/11 07:36			
Fluorobenzene	1468427	11.754	1274925	11.745	115	50 - 200	0.0090	+/-0.50	
Chlorobenzene-d5	561708	15.483	473989	15.484	119	50 - 200	-0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	705942	17.377	606491	17.378	116	50 - 200	-0.0010	+/-0.50	
LCS (1D11011-BS1)			Lab File ID: 0411LCS1.D			Analyzed: 04/11/11 08:05			
Fluorobenzene	1423258	11.745	1468427	11.754	97	50 - 200	-0.0090	+/-0.50	
Chlorobenzene-d5	540243	15.484	561708	15.483	96	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	671004	17.378	705942	17.377	95	50 - 200	0.0010	+/-0.50	
Blank (1D11011-BLK1)			Lab File ID: 0411BL1.D			Analyzed: 04/11/11 09:34			
Fluorobenzene	1330197	11.75	1468427	11.754	91	50 - 200	-0.0040	+/-0.50	
Chlorobenzene-d5	518932	15.478	561708	15.483	92	50 - 200	-0.0050	+/-0.50	
1,4-Dichlorobenzene-d4	641565	17.372	705942	17.377	91	50 - 200	-0.0050	+/-0.50	
GW8024-TB (1104061-03)			Lab File ID: 0406103.D			Analyzed: 04/11/11 10:24			
Fluorobenzene	1379124	11.747	1468427	11.754	94	50 - 200	-0.0070	+/-0.50	
Chlorobenzene-d5	528872	15.485	561708	15.483	94	50 - 200	0.0020	+/-0.50	
1,4-Dichlorobenzene-d4	677253	17.379	705942	17.377	96	50 - 200	0.0020	+/-0.50	
GW0040 (1104061-01)			Lab File ID: 0406101.D			Analyzed: 04/11/11 11:24			
Fluorobenzene	1369718	11.745	1468427	11.754	93	50 - 200	-0.0090	+/-0.50	
Chlorobenzene-d5	513809	15.474	561708	15.483	91	50 - 200	-0.0090	+/-0.50	
1,4-Dichlorobenzene-d4	654420	17.378	705942	17.377	93	50 - 200	0.0010	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D10504	Instrument:	MS-VOA4
		Calibration:	1084001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1D10504-CCV1)			Lab File ID: 0414CCV1.D			Analyzed: 04/14/11 12:34			
Fluorobenzene	1214963	11.735	1274925	11.745	95	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	494767	15.474	473989	15.484	104	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	607784	17.368	606491	17.378	100	50 - 200	-0.0100	+/-0.50	
LCS (1D14014-BS1)			Lab File ID: 0414LCS1.D			Analyzed: 04/14/11 13:04			
Fluorobenzene	1301551	11.736	1214963	11.735	107	50 - 200	0.0010	+/-0.50	
Chlorobenzene-d5	490504	15.475	494767	15.474	99	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	589311	17.369	607784	17.368	97	50 - 200	0.0010	+/-0.50	
Blank (1D14014-BLK1)			Lab File ID: 0414BL1.D			Analyzed: 04/14/11 14:33			
Fluorobenzene	1226108	11.745	1214963	11.735	101	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	464764	15.473	494767	15.474	94	50 - 200	-0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	560515	17.377	607784	17.368	92	50 - 200	0.0090	+/-0.50	
GW8011-AB (1104086-06)			Lab File ID: 0408606.D			Analyzed: 04/14/11 15:32			
Fluorobenzene	1228152	11.745	1214963	11.735	101	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	471254	15.474	494767	15.474	95	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	562797	17.378	607784	17.368	93	50 - 200	0.0100	+/-0.50	
GW0057 (1104086-01)			Lab File ID: 0408601.D			Analyzed: 04/14/11 18:01			
Fluorobenzene	1202445	11.75	1214963	11.735	99	50 - 200	0.0150	+/-0.50	
Chlorobenzene-d5	473279	15.479	494767	15.474	96	50 - 200	0.0050	+/-0.50	
1,4-Dichlorobenzene-d4	556571	17.373	607784	17.368	92	50 - 200	0.0050	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D10914	Instrument:	MS-VOA4
		Calibration:	1084001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1D10914-CCV1)			Lab File ID: 0416CCV1.D			Analyzed: 04/16/11 11:07			
Fluorobenzene	1220952	11.761	1274925	11.745	96	50 - 200	0.0160	+/-0.50	
Chlorobenzene-d5	500327	15.49	473989	15.484	106	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	568987	17.384	606491	17.378	94	50 - 200	0.0060	+/-0.50	
LCS (1D16007-BS1)			Lab File ID: 0416LCS1.D			Analyzed: 04/16/11 11:50			
Fluorobenzene	1316204	11.761	1220952	11.761	108	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	506723	15.49	500327	15.49	101	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	615814	17.384	568987	17.384	108	50 - 200	0.0000	+/-0.50	
Blank (1D16007-BLK1)			Lab File ID: 0416BL1.D			Analyzed: 04/16/11 13:18			
Fluorobenzene	1150693	11.755	1220952	11.761	94	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	458634	15.484	500327	15.49	92	50 - 200	-0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	553100	17.378	568987	17.384	97	50 - 200	-0.0060	+/-0.50	
GW8025-TB (1104086-05)			Lab File ID: 0408605.D			Analyzed: 04/16/11 13:48			
Fluorobenzene	1166806	11.76	1220952	11.761	96	50 - 200	-0.0010	+/-0.50	
Chlorobenzene-d5	467097	15.489	500327	15.49	93	50 - 200	-0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	553354	17.383	568987	17.384	97	50 - 200	-0.0010	+/-0.50	
GW0071 (1104086-03RE1)			Lab File ID: 0408603.D			Analyzed: 04/16/11 15:17			
Fluorobenzene	1130010	11.755	1220952	11.761	93	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	463786	15.484	500327	15.49	93	50 - 200	-0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	529616	17.378	568987	17.384	93	50 - 200	-0.0060	+/-0.50	
LCS Dup (1D16007-BSD1)			Lab File ID: 0416LCD1.D			Analyzed: 04/16/11 22:12			
Fluorobenzene	1209716	11.74	1220952	11.761	99	50 - 200	-0.0210	+/-0.50	
Chlorobenzene-d5	486695	15.479	500327	15.49	97	50 - 200	-0.0110	+/-0.50	
1,4-Dichlorobenzene-d4	588849	17.373	568987	17.384	103	50 - 200	-0.0110	+/-0.50	

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_007	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1078001		Instrument:	MS-VOA5	
Matrix:	Water		Calibration Dates:	3/7/11_12:53	3/17/11_23:15

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone												
Acrolein	2.501	4.202849E-02	5.002	4.912805E-02	10	4.589774E-02	25.01	3.251549E-02	50.02	3.552824E-02	250.1	4.184221E-02
Acrylonitrile	2.499	5.545187E-02	4.998	7.451654E-02	9.996	7.106185E-02	24.99	0.0682373	49.98	6.828281E-02	249.9	8.161908E-02
Benzene	0.5	0.6530366	1	0.7225063	2	0.7201156	5	0.6816376	10	0.6954858	50	0.7910287
Bromobenzene	0.5	0.549701	1	0.5653215	2	0.6257115	5	0.5303183	10	0.5647184	50	0.6361531
Bromochloromethane	0.5	0.1057606	1	0.123257	2	0.1190287	5	0.127271	10	0.1148693	50	0.1302114
Tert-Amyl Methyl Ether	0.5	~~1.598608~~	1	1.090158	2	0.8260847	5	0.6332337	10	0.6008392	50	0.6896912
Bromodichloromethane	0.5	0.3473567	1	0.3738296	2	0.4274612	5	0.3744141	10	0.3729374	50	0.4197135
Bromoform	0.5	0.3395406	1	0.3933789	2	0.3827047	5	0.3585994	10	0.3668502	50	0.4494797
Bromomethane	0.5	~~0.3339126~~	1	0.2608612	2	0.2028232	5	0.1894378	10	0.188385	50	0.2209556
Bromofluorobenzene												
n-Butylbenzene	0.5	1.255296	1	1.157849	2	1.426318	5	1.157857	10	1.335827	50	1.584764
2-Butanone												
sec-Butylbenzene	0.5	1.605971	1	1.719527	2	1.893229	5	1.688532	10	1.794192	50	2.06856
tert-Butylbenzene	0.5	1.605971	1	1.7606	2	1.746774	5	1.451504	10	1.473921	50	1.700813
Carbon disulfide	0.5	0.567741	1	0.6859014	2	0.6154258	5	0.5634893	10	0.5461005	50	0.6585375
Carbon tetrachloride	0.5	0.3372985	1	0.3758977	2	0.3952787	5	0.3632524	10	0.3650022	50	0.4153075
Chlorobenzene	0.5	1.111502	1	1.209113	2	1.239253	5	1.061227	10	1.066952	50	1.15929
Chloroethane	0.5	0.1642675	1	0.1587503	2	0.1476798	5	0.1392525	10	0.148308	50	0.1668889
Chloroform	0.5	0.5017652	1	0.5564144	2	0.5459435	5	0.4611848	10	0.4613822	50	0.5231686
2-Chloroethyl vinyl ether	0.9975	~~5.363679E-02~~	1.995	6.752328E-02	3.99	9.076441E-02	9.975	8.626115E-02	19.95	0.1022495	99.75	0.1326303
Chloromethane	0.5	0.2942773	1	0.3005165	2	0.2887365	5	0.2728978	10	0.2720284	50	0.3033957
1-Chlorohexane	0.501	1.097595	1.002	1.012135	2.004	0.936332	5.01	0.9217559	10.02	1.025372	50.1	1.12813
2-Chlorotoluene	0.5	1.515348	1	1.397997	2	1.557541	5	1.439761	10	1.452007	50	1.635309
4-Chlorotoluene	0.5	1.318388	1	1.484549	2	1.638874	5	1.516016	10	1.543591	50	1.8314
Cyclohexane	0.5	0.2206333	1	0.2140453	2	0.2586329	5	0.2414361	10	0.2639292	50	0.3142955
Dibromochloromethane	0.5	0.5052372	1	0.4633049	2	0.5005268	5	0.5110683	10	0.5275074	50	0.6261449
1,2-Dibromo-3-chloropropane	0.5	6.332115E-02	1	8.807993E-02	2	0.1177169	5	0.088725	10	9.884858E-02	50	0.1336266
1,2-Dibromoethane (EDB)	0.5	0.4013586	1	0.4685921	2	0.4812981	5	0.4381936	10	0.4371352	50	0.506655
Dibromomethane	0.5	0.1451469	1	0.1779058	2	0.2140704	5	0.1780449	10	0.1786761	50	0.2089759
1,2-Dichlorobenzene	0.5	0.8423319	1	0.9380307	2	1.049278	5	0.8604472	10	0.9217492	50	1.049516

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1078001	Instrument:	MS-VOA5	
Matrix:	Water	Calibration Dates:	3/7/11_12:53	3/17/11_23:15

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,3-Dichlorobenzene	0.5	1.112479	1	1.115307	2	1.098572	5	0.956071	10	0.9729225	50	1.103796
1,4-Dichlorobenzene	0.5	1.158593	1	1.099266	2	1.332311	5	1.080485	10	1.135327	50	1.20675
Dichlorodifluoromethane	0.5	~~0.2031559~~	1	0.2851352	2	0.2817137	5	0.2668703	10	0.3308495	50	0.3489188
1,1-Dichloroethane	0.5	0.3854983	1	0.423334	2	0.4313391	5	0.3971104	10	0.3918833	50	0.4451532
1,2-Dichloroethane	0.5	0.4534161	1	0.5343377	2	0.5080707	5	0.474543	10	0.4663805	50	0.5333544
1,1-Dichloroethene	0.5	0.1841349	1	0.1548726	2	0.1580342	5	0.1573192	10	0.1602801	50	0.1915411
cis-1,2-Dichloroethene	0.5	0.1785083	1	0.2166562	2	0.2079804	5	0.2065796	10	0.2021081	50	0.2421655
trans-1,2-Dichloroethene	0.5	0.1889151	1	0.2033947	2	0.2079271	5	0.1753228	10	0.1818072	50	0.2186191
1,2-Dichloroethene (total)	1	0.1837117	2	0.2100255	4	0.2079537	10	0.1909512	20	0.1919577	100	0.2303923
1,2-Dichloropropane	0.5	0.168948	1	0.1879359	2	0.2268768	5	0.18732	10	0.2047549	50	0.2315456
1,3-Dichloropropane	0.5	0.6575926	1	0.6980674	2	0.8082657	5	0.7240532	10	0.6862058	50	0.7566693
2,2-Dichloropropane	0.5	0.3354064	1	0.3836529	2	0.3996096	5	0.3878091	10	0.3668844	50	0.4171759
1,1-Dichloropropene	0.5	0.2865593	1	0.2785174	2	0.2981447	5	0.268573	10	0.2936362	50	0.3550121
cis-1,3-Dichloropropene	0.5	~~0.2853145~~	1	0.3528387	2	0.3737703	5	0.3385224	10	0.3390344	50	0.4267643
trans-1,3-Dichloropropene	0.5	0.4846652	1	0.5558829	2	0.573596	5	0.552392	10	0.6471858	50	0.7812347
Diisopropyl Ether	0.5		1	0.5630839	2	0.6222887	5	0.5963593	10	0.6386277	50	0.8195299
Ethylbenzene	0.5	1.513777	1	1.764011	2	1.821805	5	1.720226	10	1.783079	50	2.025284
Ethyl tert-Butyl Ether	0.5	~~0.4837401~~	1	0.533252	2	0.5360156	5	0.5875992	10	0.6570009	50	0.77559
Ethyl Methacrylate	0.5	~~0.3472806~~	1	0.3283255	2	0.4147087	5	0.4343821	10	0.4829659	50	0.6092486
Hexachlorobutadiene	0.5	~~0.1803276~~	1	0.3610161	2	0.3366699	5	0.2756972	10	0.2860133	50	0.317731
2-Hexanone												
Iodomethane	0.5	0.2073883	1	0.2101418	2	0.269427	5	0.2611686	10	0.2970676	50	0.3910659
Isopropylbenzene	0.5	~~1.044897~~	1	1.245864	2	1.4504	5	1.370257	10	1.398715	50	1.667963
p-Isopropyltoluene	0.5	0.8871844	1	1.160669	2	1.272723	5	1.045097	10	1.229134	50	1.400642
Methylene chloride	0.5	0.244534	1	0.2535454	2	0.2563674	5	0.2239895	10	0.2033621	50	0.2542167
Methyl Acetate	0.5		1	0.2345451	2	0.216629	5	0.1838885	10	0.1831722	50	0.2121993
Methylcyclohexane	0.5	0.1914047	1	0.2351396	2	0.2372178	5	0.2240788	10	0.2424172	50	0.286189
Naphthalene	0.5	~~0.8169805~~	1	0.81305	2	0.8881873	5	0.9747024	10	1.113737	50	1.41024
Methyl Methacrylate	0.5	~~0.1152213~~	1	0.1414302	2	0.1646306	5	0.1650073	10	0.1929139	50	0.2643784
4-Methyl-2-pentanone												
Methyl t-Butyl Ether	0.5	~~0.3712574~~	1	0.5175347	2	0.5668921	5	0.5123423	10	0.5433326	50	0.6560853

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1078001	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	3/7/11_12:53 3/17/11_23:15

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
n-Propylbenzene	0.5	1.916612	1	1.97225	2	2.410713	5	2.088476	10	2.223762	50	2.522939
Styrene	0.5	0.6770443	1	0.7968657	2	0.9376251	5	0.9650893	10	1.043912	50	1.211562
1,1,2,2-Tetrachloroethane	0.5	0.5384592	1	0.6360675	2	0.7431904	5	0.5442388	10	0.6085617	50	0.6675579
1,1,1,2-Tetrachloroethane	0.5	0.45452	1	0.4771967	2	0.5059003	5	0.434704	10	0.4626439	50	0.4937243
tert-Butyl alcohol	2.5	1.783589E-02	5	2.238686E-02	10	2.320073E-02	25	2.129539E-02	50	2.269986E-02	250	2.659937E-02
Tetrachloroethene	0.5	0.4222361	1	0.4719095	2	0.4799547	5	0.4068502	10	0.4320685	50	0.4867327
Toluene	0.5	0.8970227	1	0.8561654	2	0.9635708	5	0.8794404	10	0.870273	50	0.9729753
1,2,3-Trichlorobenzene	0.5	0.4409538	1	0.4929891	2	0.4516201	5	0.4558933	10	0.4719025	50	0.5739709
1,2,4-Trichlorobenzene	0.5	~~0.4700907~~	1	0.5186668	2	0.5691586	5	0.4730288	10	0.5158334	50	0.6525275
1,1,2-Trichloroethane	0.5	0.2867865	1	0.3314874	2	0.3915552	5	0.3359903	10	0.3425208	50	0.3653537
1,1,1-Trichloroethane	0.5	0.3788758	1	0.4498053	2	0.4136953	5	0.3982298	10	0.4053592	50	0.4596763
Tetrahydrofuran	0.5		1		2	3.503431E-02	5	4.005893E-02	10	4.094744E-02	50	5.213498E-02
Trichloroethene	0.5	0.2230233	1	0.2314171	2	0.2368847	5	0.2277363	10	0.2250709	50	0.2626272
Trichlorofluoromethane	0.5	0.5036573	1	0.5102706	2	0.5224896	5	0.4893201	10	0.45786	50	0.512485
1,2,3-Trichloropropane	0.5	0.1740477	1	0.1758257	2	0.1744547	5	0.1433401	10	0.1569296	50	0.1778811
1,3,5-Trimethylbenzene	0.5	1.38515	1	1.394001	2	1.590086	5	1.488164	10	1.517113	50	1.732998
1,2,4-Trimethylbenzene	0.5	1.319305	1	1.417153	2	1.589194	5	1.454183	10	1.605423	50	1.792477
1,1,2-Trichloro-1,2,2-trifluoroethan	0.5	0.24309	1	0.2724683	2	0.2760501	5	0.2216615	10	0.2130937	50	0.2434672
Vinyl chloride	0.5	0.2372642	1	0.3159495	2	0.2648295	5	0.2373792	10	0.2787096	50	0.3091784
m,p-Xylene	1	1.203261	2	1.345518	4	1.519229	10	1.462656	20	1.42931	100	1.589696
o-Xylene	0.5	1.27231	1	1.368351	2	1.604257	5	1.495059	10	1.554475	50	1.717049
Vinyl acetate	0.9995		1.999		3.998	0.1791523	9.995	0.1819274	19.99	0.2249437	99.95	0.3163395
Xylenes (total)	1.5	1.226277	3	1.353129	6	1.547571	15	1.473457	30	1.471032	150	1.632147
Dibromofluoromethane												
1,2-Dichloroethane-d4												
Toluene-d8												
tert-Amyl alcohol	2.5		5		10	8.339471E-03	25	8.548847E-03	50	9.289561E-03	250	1.321119E-02
tert-Amyl ethyl ether	0.5	~~0.3347591~~	1	0.4084956	2	0.4769143	5	0.4622831	10	0.4859446	50	0.6251876

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1078001	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	3/7/11 12:53 3/17/11 23:15

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone									2		4	0.1155431
Acrolein	500.2	4.537999E-02	750.3	4.671631E-02	1000	4.647195E-02						
Acrylonitrile	499.8	8.020876E-02	749.7	8.652166E-02	999.6	8.833622E-02						
Benzene	100	0.7898222	150	0.7975283	200	0.8063745						
Bromobenzene	100	0.6187025	150	0.6222701	200	0.6471744						
Bromochloromethane	100	0.1294359	150	0.1325201	200	0.1344625						
Tert-Amyl Methyl Ether	100	0.6948232	150	0.6950278	200	0.6956089						
Bromodichloromethane	100	0.4247199	150	0.4042228	200	0.3963136						
Bromoform	100	0.4154828	150	0.4102604	200	0.3871125						
Bromomethane	100	0.2492772	150	0.2501447	200	0.2481988						
Bromofluorobenzene									30	0.8943864	40	0.8782409
n-Butylbenzene	100	1.514347	150	1.485248	200	1.486304						
2-Butanone									2		4	6.401813E-02
sec-Butylbenzene	100	1.977237	150	1.94332	200	1.912932						
tert-Butylbenzene	100	1.637947	150	1.616132	200	1.587974						
Carbon disulfide	100	0.6709351	150	0.6913621	200	0.7122962						
Carbon tetrachloride	100	0.4094476	150	0.3886809	200	0.3728976						
Chlorobenzene	100	1.03645	150	1.013713	200	0.9655527						
Chloroethane	100	0.1746583	150	0.1771378	200	0.1705082						
Chloroform	100	0.5251731	150	0.5097682	200	0.4914869						
2-Chloroethyl vinyl ether	199.5	0.1412735	299.2	0.1437648	399	0.1429149						
Chloromethane	100	0.3297665	150	0.3154371	200	0.3056923						
1-Chlorohexane	100.2	1.026593	150.3	0.9894423	200.4	0.9174486						
2-Chlorotoluene	100	1.608016	150	1.519558	200	1.582697						
4-Chlorotoluene	100	1.719894	150	1.625306	200	1.61196						
Cyclohexane	100	0.3215786	150	0.332662	200	0.331074						
Dibromochloromethane	100	0.5619766	150	0.5509758	200	0.500646						
1,2-Dibromo-3-chloropropane	100	0.1349941	150	0.1374441	200	0.1449123						
1,2-Dibromoethane (EDB)	100	0.4667893	150	0.4505717	200	0.4302985						
Dibromomethane	100	0.2059913	150	0.2000632	200	0.1976889						
1,2-Dichlorobenzene	100	1.031498	150	1.016431	200	1.025431						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1078001	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	3/7/11 12:53 3/17/11 23:15

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,3-Dichlorobenzene	100	1.108741	150	1.130816	200	1.128786						
1,4-Dichlorobenzene	100	1.134239	150	1.118917	200	1.115377						
Dichlorodifluoromethane	100	0.3528406	150	0.3374166	200	0.2987596						
1,1-Dichloroethane	100	0.4745472	150	0.4731673	200	0.4769946						
1,2-Dichloroethane	100	0.5198466	150	0.5000919	200	0.4722982						
1,1-Dichloroethene	100	0.193752	150	0.1997432	200	0.2021713						
cis-1,2-Dichloroethene	100	0.2478902	150	0.248514	200	0.2531567						
trans-1,2-Dichloroethene	100	0.222446	150	0.2329343	200	0.2379576						
1,2-Dichloroethene (total)	200	0.2351681	300	0.2407242	400	0.2455572						
1,2-Dichloropropane	100	0.2367122	150	0.2358734	200	0.2448404						
1,3-Dichloropropane	100	0.6937736	150	0.6752094	200	0.6407095						
2,2-Dichloropropane	100	0.4166805	150	0.3912986	200	0.3899277						
1,1-Dichloropropene	100	0.3616764	150	0.3541348	200	0.3561577						
cis-1,3-Dichloropropene	100	0.4507282	150	0.4365991	200	0.4359175						
trans-1,3-Dichloropropene	100	0.7237757	150	0.7100555	200	0.6640482						
Diisopropyl Ether	100	0.8578372	150	0.898002	200	0.9225843						
Ethylbenzene	100	1.819871	150	1.71527	200	1.537014						
Ethyl tert-Butyl Ether	100	0.7863012	150	0.7939053	200	0.8125347						
Ethyl Methacrylate	100	0.5617984	150	0.5650667	200	0.5395296						
Hexachlorobutadiene	100	0.3289285	150	0.3234147	200	0.3372599						
2-Hexanone									2	9.931979E-02	4	0.1971067
Iodomethane	100	0.4042131	150	0.4078242	200	0.4056416						
Isopropylbenzene	100	1.531807	150	1.427509	200	1.304044						
p-Isopropyltoluene	100	1.393249	150	1.365565	200	1.374954						
Methylene chloride	100	0.241731	150	0.2603899	200	0.2635829						
Methyl Acetate	100	0.2061918	150	0.2117359	200	0.2189216						
Methylcyclohexane	100	0.2844625	150	0.2852673	200	0.2853802						
Naphthalene	100	1.448814	150	1.409495	200	1.471859						
Methyl Methacrylate	100	0.2787233	150	0.272668	200	0.2706149						
4-Methyl-2-pentanone									2		4	0.1396502
Methyl t-Butyl Ether	100	0.6704206	150	0.6770861	200	0.698072						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1078001	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	3/7/11 12:53 3/17/11 23:15

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
n-Propylbenzene	100	2.427719	150	2.308448	200	2.263217						
Styrene	100	1.140643	150	1.106706	200	1.030568						
1,1,2,2-Tetrachloroethane	100	0.6422802	150	0.6337047	200	0.6704276						
1,1,1,2-Tetrachloroethane	100	0.4536149	150	0.44524	200	0.4120404						
tert-Butyl alcohol	500	2.620594E-02	750	2.767036E-02	1000	2.705806E-02						
Tetrachloroethene	100	0.4505318	150	0.4445511	200	0.429221						
Toluene	100	0.9009451	150	0.9079673	200	0.8388243						
1,2,3-Trichlorobenzene	100	0.5977418	150	0.6131081	200	0.6371271						
1,2,4-Trichlorobenzene	100	0.6614652	150	0.6722719	200	0.7168659						
1,1,2-Trichloroethane	100	0.337697	150	0.3297807	200	0.3079286						
1,1,1-Trichloroethane	100	0.4583119	150	0.4384645	200	0.4238678						
Tetrahydrofuran	100	5.828799E-02	150	6.028031E-02	200	6.453969E-02						
Trichloroethene	100	0.2636737	150	0.2625535	200	0.2516278						
Trichlorofluoromethane	100	0.5165366	150	0.4953456	200	0.4562709						
1,2,3-Trichloropropane	100	0.1575376	150	0.1524221	200	0.1404905						
1,3,5-Trimethylbenzene	100	1.708823	150	1.649211	200	1.664883						
1,2,4-Trimethylbenzene	100	1.737568	150	1.686073	200	1.68656						
1,1,2-Trichloro-1,2,2-trifluoroethan	100	0.2473752	150	0.2455076	200	0.2358224						
Vinyl chloride	100	0.3415414	150	0.3362422	200	0.3317518						
m,p-Xylene	200	1.390881	300	1.283565	400	1.071972						
o-Xylene	100	1.555729	150	1.421142	200	1.29972						
Vinyl acetate	199.9	0.3335789	299.8	0.3433023	399.8	0.3564856						
Xylenes (total)	300	1.44583	450	1.329424	600	1.147888						
Dibromofluoromethane									30	0.3730294	40	0.3738719
1,2-Dichloroethane-d4									30	6.304818E-02	40	6.610084E-02
Toluene-d8									30	1.85378	40	1.798374
tert-Amyl alcohol	500	0.0139922	750	1.536187E-02	1000	1.609601E-02						
tert-Amyl ethyl ether	100	0.6394152	150	0.6326191	200	0.6363716						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1078001	Instrument:	MS-VOA5	
Matrix:	Water	Calibration Dates:	3/7/11 12:53	3/17/11 23:15

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone	10	0.1048318	20	9.745761E-02	100	0.1115843	200	0.1184698	300	0.1226784	400	0.1175419
Acrolein												
Acrylonitrile												
Benzene												
Bromobenzene												
Bromochloromethane												
Tert-Amyl Methyl Ether												
Bromodichloromethane												
Bromoform												
Bromomethane												
Bromofluorobenzene	50	0.8294758	60	0.8149449	70	0.8209916	30	0.9150239	30	0.9047329	30	0.8621954
n-Butylbenzene												
2-Butanone	10	0.0744542	20	0.0793158	100	0.112114	200	0.1218397	300	0.1308349	400	0.1304908
sec-Butylbenzene												
tert-Butylbenzene												
Carbon disulfide												
Carbon tetrachloride												
Chlorobenzene												
Chloroethane												
Chloroform												
2-Chloroethyl vinyl ether												
Chloromethane												
1-Chlorohexane												
2-Chlorotoluene												
4-Chlorotoluene												
Cyclohexane												
Dibromochloromethane												
1,2-Dibromo-3-chloropropane												
1,2-Dibromoethane (EDB)												
Dibromomethane												
1,2-Dichlorobenzene												

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_007	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1078001		Instrument:	MS-VOA5	
Matrix:	Water		Calibration Dates:	3/7/11 12:53	3/17/11 23:15

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,3-Dichlorobenzene												
1,4-Dichlorobenzene												
Dichlorodifluoromethane												
1,1-Dichloroethane												
1,2-Dichloroethane												
1,1-Dichloroethene												
cis-1,2-Dichloroethene												
trans-1,2-Dichloroethene												
1,2-Dichloroethene (total)												
1,2-Dichloropropane												
1,3-Dichloropropane												
2,2-Dichloropropane												
1,1-Dichloropropene												
cis-1,3-Dichloropropene												
trans-1,3-Dichloropropene												
Diisopropyl Ether												
Ethylbenzene												
Ethyl tert-Butyl Ether												
Ethyl Methacrylate												
Hexachlorobutadiene												
2-Hexanone	10	0.2586601	20	0.2502352	100	0.3584986	200	0.3739308	300	0.3917018	400	0.3732671
Iodomethane												
Isopropylbenzene												
p-Isopropyltoluene												
Methylene chloride												
Methyl Acetate												
Methylcyclohexane												
Naphthalene												
Methyl Methacrylate												
4-Methyl-2-pentanone	10	0.1703839	20	0.1857293	100	0.2665153	200	0.2763331	300	0.2894801	400	0.2760566
Methyl t-Butyl Ether												

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1078001	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	3/7/11 12:53 3/17/11 23:15

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
n-Propylbenzene												
Styrene												
1,1,2,2-Tetrachloroethane												
1,1,1,2-Tetrachloroethane												
tert-Butyl alcohol												
Tetrachloroethene												
Toluene												
1,2,3-Trichlorobenzene												
1,2,4-Trichlorobenzene												
1,1,2-Trichloroethane												
1,1,1-Trichloroethane												
Tetrahydrofuran												
Trichloroethene												
Trichlorofluoromethane												
1,2,3-Trichloropropane												
1,3,5-Trimethylbenzene												
1,2,4-Trimethylbenzene												
1,1,2-Trichloro-1,2,2-trifluoroethan												
Vinyl chloride												
m,p-Xylene												
o-Xylene												
Vinyl acetate												
Xylenes (total)												
Dibromofluoromethane	50	0.3650414	60	0.3566546	70	0.3579211	30	0.3959409	30	0.3860029	30	0.3868698
1,2-Dichloroethane-d4	50	6.471363E-02	60	6.077214E-02	70	6.252823E-02	30	6.261071E-02	30	6.597527E-02	30	6.830528E-02
Toluene-d8	50	1.680284	60	1.720643	70	1.747087	30	1.916527	30	1.804347	30	1.81239
tert-Amyl alcohol												
tert-Amyl ethyl ether												

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1078001	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	3/7/11 12:53 3/17/11 23:15

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acetone	0.1125867	7.775212	6.244286	0.1071381			15	
Acrolein	4.283427E-02	12.92662	6.061	9.119184E-02			15	
Acrylonitrile	7.491512E-02	13.92187	7.023556	3.951867E-02			15	
Benzene	0.7397262	7.773478	12.87444	3.353187E-02			15	
Bromobenzene	0.5955634	7.196348	17.832	2.354569E-02			15	
Bromochloromethane	0.1240907	7.549579	10.87744	7.156777E-02			15	
Tert-Amyl Methyl Ether	0.7406833	20.99942	13.17687	5.183132E-02	0.9999422		0.995	
Bromodichloromethane	0.393441	7.099255	13.80056	3.837247E-02			15	
Bromoform	0.3892677	8.488098	17.10711	1.904145E-02			SPCC (0.1)	
Bromomethane	0.2262604	13.09668	5.114	0.1004568			15	
Bromofluorobenzene	0.864999	4.547677	17.648	1.998807E-02			15	
n-Butylbenzene	1.378201	11.49175	19.04511	1.294924E-02			15	
2-Butanone	0.1018668	27.92435	10.211	0.2192854	0.9987152		0.995	
sec-Butylbenzene	1.844833	8.220999	18.57544	1.160729E-02			15	
tert-Butylbenzene	1.620182	6.67833	18.70456	1.990774E-02			15	
Carbon disulfide	0.6346432	9.888999	7.626889	8.141692E-02			15	
Carbon tetrachloride	0.3803403	6.452072	12.83711	3.700651E-02			15	
Chlorobenzene	1.095895	8.347511	16.69756	2.251491E-02			SPCC (0.3)	
Chloroethane	0.1608279	8.222484	5.294667	9.353293E-02			15	
Chloroform	0.5084763	6.591338	10.98578	4.276434E-02			CCC (20)	
2-Chloroethyl vinyl ether	0.1134227	26.69582	14.347	3.374881E-02	0.9997447		0.995	
Chloromethane	0.2980831	6.289672	4.365	0.188516			SPCC (0.1)	
1-Chlorohexane	1.006089	7.388747	16.64067	2.133492E-02			15	
2-Chlorotoluene	1.523137	5.306558	18.04867	2.098941E-02			15	
4-Chlorotoluene	1.587775	9.227864	18.10889	1.213713E-02			15	
Cyclohexane	0.2775874	17.23492	12.74089	2.177786E-02	0.9997448		0.995	
Dibromochloromethane	0.5274875	8.943849	15.70911	2.530325E-02			15	
1,2-Dibromo-3-chloropropane	0.1119632	25.2941	19.43156	3.067344E-02	0.9986619		0.995	
1,2-Dibromoethane (EDB)	0.4534325	6.873208	15.93667	2.316429E-02			15	
Dibromomethane	0.1896182	11.46889	13.63856	2.978158E-02			15	
1,2-Dichlorobenzene	0.9705237	8.407707	19.03511	2.694366E-03			15	
1,3-Dichlorobenzene	1.080832	6.190879	18.67178	1.189958E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	1078001	Instrument:	MS-VOA5		
Matrix:	Water	Calibration Dates:	3/7/11 12:53	3/17/11 23:15	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.153474	6.60659	18.72089	8.928354E-03			15	
Dichlorodifluoromethane	0.312813	10.72439	4.119	9.264489E-02			15	
1,1-Dichloroethane	0.4332253	8.462878	9.104889	6.797151E-02			SPCC (0.1)	
1,2-Dichloroethane	0.4958155	6.096188	12.131	3.325407E-02			15	
1,1-Dichloroethene	0.1779832	11.23937	6.967667	0.1020339			CCC (20)	
cis-1,2-Dichloroethene	0.2226177	11.77531	10.56189	0.0539483			15	
trans-1,2-Dichloroethene	0.2077027	10.73761	8.525556	6.283411E-02			15	
1,2-Dichloroethene (total)	0.2151602	10.90176	0	0			15	
1,2-Dichloropropane	0.2138675	12.72516	13.69356	2.877113E-02	0.9994699		CCC (20)	
1,3-Dichloropropane	0.7045052	7.35678	15.46267	3.084139E-02			15	
2,2-Dichloropropane	0.387605	6.483752	11.15322	4.720791E-02			15	
1,1-Dichloropropene	0.3169346	12.22384	12.60622	4.157777E-02			15	
cis-1,3-Dichloropropene	0.3942719	12.15062	14.59088	1.900144E-02			15	
trans-1,3-Dichloropropene	0.6325373	15.33703	15.05978	2.420188E-02	0.996921		0.995	
Diisopropyl Ether	0.7397891	20.08696	10.34763	4.918967E-02	0.9988929		0.995	
Ethylbenzene	1.744482	8.836318	16.84989	7.809333E-03			CCC (20)	
Ethyl tert-Butyl Ether	0.6852749	17.62275	11.194	5.283168E-02	0.9997283		0.995	
Ethyl Methacrylate	0.4920032	19.18719	15.50875	1.084665E-02	0.9984347		0.995	
Hexachlorobutadiene	0.3208413	8.710181	21.0895	1.924166E-02			15	
2-Hexanone	0.28784	36.32521	15.62175	0.0320628	0.9989233		0.995	
Iodomethane	0.3171042	26.94596	7.022444	9.520778E-02	0.9998641		0.995	
Isopropylbenzene	1.42457	9.248017	17.611	1.726366E-02			15	
p-Isopropyltoluene	1.23658	14.38435	18.40356	2.441437E-02			15	
Methylene chloride	0.2446354	7.987041	7.210778	6.620158E-02			15	
Methyl Acetate	0.2084104	8.369294	7.26575	5.467954E-02			15	
Methylcyclohexane	0.2523952	13.64479	14.39522	2.265609E-02			15	
Naphthalene	1.191261	23.06464	21.05987	0.0200552	0.9993743		0.995	
Methyl Methacrylate	0.2187958	26.61596	14.03787	3.704044E-02	0.9996399		0.995	
4-Methyl-2-pentanone	0.2291641	26.90628	14.72129	3.572917E-02	0.998877		0.995	
Methyl t-Butyl Ether	0.6052207	12.8349	8.8215	8.072976E-02			15	
n-Propylbenzene	2.237126	9.337395	17.95567	1.994119E-02			15	
Styrene	0.9900017	17.07341	17.26711	2.496185E-02	0.9965055		0.995	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	1078001	Instrument:	MS-VOA5		
Matrix:	Water	Calibration Dates:	3/7/11 12:53	3/17/11 23:15	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1,2,2-Tetrachloroethane	0.6316098	10.04922	17.33711	2.899413E-02			SPCC (0.3)	
1,1,1,2-Tetrachloroethane	0.4599538	6.327214	16.63844	0.0277822			15	
tert-Butyl alcohol	2.388361E-02	13.61304	6.978556	0.1148859			15	
Tetrachloroethene	0.4471173	6.159571	16.11311	2.040489E-02			15	
Toluene	0.898576	5.037505	15.40022	1.146996E-02			CCC (20)	
1,2,3-Trichlorobenzene	0.5261452	14.88703	21.32	1.886098E-02			15	
1,2,4-Trichlorobenzene	0.5974773	14.98863	20.7705	1.201415E-02			15	
1,1,2-Trichloroethane	0.3365667	8.950328	15.214	1.611987E-02			15	
1,1,1-Trichloroethane	0.4251429	6.687853	12.30511	4.576472E-02			15	
Tetrahydrofuran	5.018338E-02	22.93539	11.61686	9.895117E-02	0.9967826		0.995	
Trichloroethene	0.2427349	7.126407	13.76456	0.0129328			15	
Trichlorofluoromethane	0.4960262	4.904978	6.104889	0.1074519			15	
1,2,3-Trichloropropane	0.1614366	9.000469	17.44544	3.217736E-02			15	
1,3,5-Trimethylbenzene	1.570048	8.309352	18.16144	1.721281E-02			15	
1,2,4-Trimethylbenzene	1.587548	10.03676	18.48033	3.047003E-02			15	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2442818	8.405401	7.325778	7.810021E-02			15	
Vinyl chloride	0.2947606	14.0323	4.588555	0.1334175	0.9995107		CCC (20)	
m,p-Xylene	1.366232	11.79195	17.00411	0.0168046			15	
o-Xylene	1.476455	10.00571	17.32733	2.448285E-02			15	
Vinyl acetate	0.2765328	28.3144	9.427714	0.103809	0.9990022		0.995	
Xylenes (total)	1.402973	10.95705	0	0			15	
Dibromofluoromethane	0.3744165	3.817796	11.19738	3.515222E-02			15	
1,2-Dichloroethane-d4	6.425678E-02	3.823514	11.99925	2.523171E-02			15	
Toluene-d8	1.791679	4.193785	15.32337	1.566914E-02			15	
tert-Amyl alcohol	1.211988E-02	27.37991	11.86886	4.178914E-02	0.9964038		0.995	
tert-Amyl ethyl ether	0.5459039	17.64679	14.268	2.379276E-02	0.9999014		0.995	

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1084001	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	3/22/11_12:12 3/24/11_16:07

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone												
Acrolein	2.501	3.978466E-02	5.002	3.928834E-02	10	4.253908E-02	25.01	2.731485E-02	50.02	3.140532E-02	250.1	3.036773E-02
Acrylonitrile	2.499	8.134307E-02	4.998	8.374894E-02	9.996	8.906298E-02	24.99	8.991062E-02	49.98	9.363115E-02	249.9	9.376586E-02
Benzene	0.5	0.7586241	1	0.8781914	2	0.8655253	5	0.8398939	10	0.9288837	50	0.8274038
Bromobenzene	0.5	0.7005351	1	0.6862941	2	0.696113	5	0.7248238	10	0.752053	50	0.699133
Bromochloromethane	0.5	0.1159098	1	0.1613588	2	0.1623518	5	0.1583009	10	0.1614814	50	0.1561146
Tert-Amyl Methyl Ether	0.5	1.121208	1	0.8368573	2	0.7559324	5	0.647324	10	0.6791465	50	0.6534345
Bromodichloromethane	0.5	0.2846097	1	0.2924256	2	0.2984444	5	0.2904109	10	0.316799	50	0.2911146
Bromoform	0.5	0.4777661	1	0.535263	2	0.589529	5	0.632814	10	0.6274487	50	0.6532824
Bromomethane	0.5	0.1754187	1	0.1489677	2	0.1637254	5	0.1613011	10	0.1626718	50	0.1589318
Bromofluorobenzene												
n-Butylbenzene	0.5	1.029237	1	1.123744	2	1.158631	5	1.174992	10	1.261893	50	1.150288
2-Butanone												
sec-Butylbenzene	0.5	1.599558	1	1.635254	2	1.646141	5	1.587128	10	1.699572	50	1.696938
tert-Butylbenzene	0.5	1.09884	1	1.150408	2	1.116239	5	1.141005	10	1.220844	50	1.151853
Carbon disulfide	0.5	0.7540992	1	0.7488621	2	0.7263306	5	0.7129317	10	0.7911206	50	0.7953258
Carbon tetrachloride	0.5	0.2353846	1	0.2650143	2	0.2635427	5	0.2613502	10	0.2832567	50	0.2626678
Chlorobenzene	0.5	1.580499	1	1.671745	2	1.761321	5	1.622034	10	1.750736	50	1.667257
Chloroethane	0.5	~~9.552503E-02~~	1	0.1584096	2	0.126397	5	0.1358975	10	0.1258298	50	0.1093987
Chloroform	0.5	0.4165622	1	0.4226466	2	0.4088729	5	0.3899196	10	0.4173004	50	0.3875665
2-Chloroethyl vinyl ether	0.9975	0.1309773	1.995	0.1277856	3.99	0.147565	9.975	0.1525375	19.95	0.15753	99.75	0.1553568
Chloromethane	0.5	0.2355675	1	0.2411466	2	0.2221735	5	0.2317445	10	0.2418858	50	0.214813
1-Chlorohexane	0.501	1.431649	1.002	1.479964	2.004	1.411391	5.01	1.353161	10.02	1.468627	50.1	1.408228
2-Chlorotoluene	0.5	1.377767	1	1.391655	2	1.396144	5	1.37348	10	1.401616	50	1.357754
4-Chlorotoluene	0.5	1.390849	1	1.502916	2	1.230031	5	1.242967	10	1.46381	50	1.484338
Cyclohexane	0.5	0.2504675	1	0.2829837	2	0.2853949	5	0.2787363	10	0.3070252	50	0.3010098
Dibromochloromethane	0.5	0.6084631	1	0.7145368	2	0.7324282	5	0.734886	10	0.7709525	50	0.7886586
1,2-Dibromo-3-chloropropane	0.5	0.1519836	1	0.1317006	2	0.1426782	5	0.1674328	10	0.1551393	50	0.1579157
1,2-Dibromoethane (EDB)	0.5	0.59293	1	0.7172824	2	0.6972445	5	0.6967422	10	0.7028874	50	0.7238102
Dibromomethane	0.5	0.1703911	1	0.1766076	2	0.1824526	5	0.1668216	10	0.1778592	50	0.1730374
1,2-Dichlorobenzene	0.5	1.029339	1	1.005081	2	1.048027	5	1.142129	10	1.136355	50	1.037115

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1084001	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	3/22/11_12:12 3/24/11_16:07

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,3-Dichlorobenzene	0.5	1.021571	1	1.167219	2	1.124415	5	1.119113	10	1.124312	50	1.055985
1,4-Dichlorobenzene	0.5	1.282713	1	1.29941	2	1.153374	5	1.244397	10	1.248385	50	1.16395
Dichlorodifluoromethane	0.5	0.2061787	1	0.2032874	2	0.1969215	5	0.2275517	10	0.2409189	50	0.2321125
1,1-Dichloroethane	0.5	0.3911955	1	0.4193088	2	0.4240859	5	0.4182349	10	0.4426926	50	0.4105168
1,2-Dichloroethane	0.5	0.2516559	1	0.2691752	2	0.279328	5	0.2687808	10	0.2926154	50	0.2599156
1,1-Dichloroethene	0.5	0.2225413	1	0.2167301	2	0.2237074	5	0.2274073	10	0.2328805	50	0.2194557
cis-1,2-Dichloroethene	0.5	0.2581461	1	0.2691066	2	0.278252	5	0.2609076	10	0.2857993	50	0.2709842
trans-1,2-Dichloroethene	0.5	0.2673787	1	0.2553209	2	0.2505504	5	0.2452359	10	0.2581267	50	0.2553254
1,2-Dichloroethene (total)	1	0.2627624	2	0.2622137	4	0.2644012	10	0.2530718	20	0.271963	100	0.2631548
1,2-Dichloropropane	0.5	0.2265634	1	0.2408951	2	0.2289615	5	0.2309572	10	0.2351792	50	0.2345344
1,3-Dichloropropane	0.5	0.9783466	1	0.9612021	2	0.9414902	5	0.8645976	10	0.939351	50	0.9345523
2,2-Dichloropropane	0.5	0.254581	1	0.245879	2	0.2829109	5	0.2684826	10	0.2810333	50	0.2671001
1,1-Dichloropropene	0.5	0.2645906	1	0.2889506	2	0.281915	5	0.2786245	10	0.3073422	50	0.2880989
cis-1,3-Dichloropropene	0.5	0.3085595	1	0.3288217	2	0.3324875	5	0.3412274	10	0.3634033	50	0.3561805
trans-1,3-Dichloropropene	0.5	0.6290931	1	0.7126024	2	0.7824522	5	0.7905787	10	0.86926	50	0.8300399
Diisopropyl Ether	0.5	0.7989823	1	0.8050336	2	0.8581992	5	0.8041667	10	0.8765601	50	0.8585423
Ethylbenzene	0.5	2.252794	1	2.364193	2	2.416147	5	2.378781	10	2.589711	50	2.505169
Ethyl tert-Butyl Ether	0.5	0.6255747	1	0.6447493	2	0.6447941	5	0.6478224	10	0.7058362	50	0.6845645
Ethyl Methacrylate	0.5	0.5220599	1	0.6329182	2	0.7084983	5	0.7076852	10	0.7265532	50	0.8481303
Hexachlorobutadiene	0.5	0.3304391	1	0.2775173	2	0.2232526	5	0.2524875	10	0.2493971	50	0.2439483
2-Hexanone												
Iodomethane	0.5	0.2639507	1	0.2843783	2	0.315031	5	0.3476377	10	0.4094468	50	0.4406804
Isopropylbenzene	0.5	1.83619	1	1.95585	2	2.073554	5	1.93552	10	1.97805	50	2.011397
p-Isopropyltoluene	0.5	1.311331	1	1.264953	2	1.292451	5	1.289825	10	1.407319	50	1.277777
Methylene chloride	0.5	0.261894	1	0.3084975	2	0.2979636	5	0.2664654	10	0.3009639	50	0.283224
Methyl Acetate	0.5	0.2238211	1	0.2061451	2	0.2005044	5	0.1986867	10	0.2046743	50	0.1959311
Methylcyclohexane	0.5	0.2254208	1	0.215427	2	0.2268896	5	0.2202563	10	0.2319387	50	0.2209519
Naphthalene	0.5	1.334839	1	1.320486	2	1.283496	5	1.58624	10	1.423896	50	1.448621
Methyl Methacrylate	0.5	0.1579134	1	0.1386113	2	0.1741879	5	0.1739633	10	0.1913591	50	0.1995946
4-Methyl-2-pentanone												
Methyl t-Butyl Ether	0.5	0.5364484	1	0.6012889	2	0.5755173	5	0.5589447	10	0.6255618	50	0.5920784

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1084001	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	3/22/11_12:12 3/24/11_16:07

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
n-Propylbenzene	0.5	1.883186	1	1.988645	2	2.015284	5	2.060088	10	2.292267	50	2.07247
Styrene	0.5	1.426988	1	1.635366	2	1.70666	5	1.72561	10	1.764601	50	1.712829
1,1,2,2-Tetrachloroethane	0.5	0.5822802	1	0.6330158	2	0.680368	5	0.7209317	10	0.6939088	50	0.6365883
1,1,1,2-Tetrachloroethane	0.5	0.5490003	1	0.6204383	2	0.6132115	5	0.6335661	10	0.6648395	50	0.6499643
tert-Butyl alcohol	2.5	2.649106E-02	5	2.456732E-02	10	2.060218E-02	25	2.472345E-02	50	2.254989E-02	250	2.200911E-02
Tetrachloroethene	0.5	0.6574897	1	0.7195288	2	0.7629126	5	0.7129749	10	0.749343	50	0.781376
Toluene	0.5	1.205519	1	1.42377	2	1.419532	5	1.414681	10	1.454001	50	1.421435
1,2,3-Trichlorobenzene	0.5	0.6419698	1	0.5893934	2	0.5698125	5	0.6160588	10	0.6123299	50	0.5959386
1,2,4-Trichlorobenzene	0.5	0.6840795	1	0.6780597	2	0.6297748	5	0.6530698	10	0.6718987	50	0.6362987
1,1,2-Trichloroethane	0.5	0.4686647	1	0.5482421	2	0.5003638	5	0.4990536	10	0.5266286	50	0.517756
1,1,1-Trichloroethane	0.5	0.2788051	1	0.2896594	2	0.3031147	5	0.2948506	10	0.3072852	50	0.3012649
Tetrahydrofuran	0.5		1		2	6.678139E-02	5	6.437321E-02	10	6.543814E-02	50	5.789592E-02
Trichloroethene	0.5	0.2241867	1	0.2450331	2	0.2377871	5	0.2354388	10	0.2519674	50	0.2407021
Trichlorofluoromethane	0.5	0.2973616	1	0.3197913	2	0.3446556	5	0.3338574	10	0.368817	50	0.3411787
1,2,3-Trichloropropane	0.5	0.1810584	1	0.2076032	2	0.1963551	5	0.2043822	10	0.1856886	50	0.2079154
1,3,5-Trimethylbenzene	0.5	1.215358	1	1.364011	2	1.278994	5	1.396251	10	1.468959	50	1.386281
1,2,4-Trimethylbenzene	0.5	1.453401	1	1.411799	2	1.413276	5	1.509071	10	1.563578	50	1.461243
1,1,2-Trichloro-1,2,2-trifluoroethar	0.5	0.2113434	1	0.2265836	2	0.2416447	5	0.230086	10	0.2441297	50	0.2384583
Vinyl chloride	0.5	0.2243238	1	0.193754	2	0.1939568	5	0.207063	10	0.2294873	50	0.1924153
m,p-Xylene	1	1.659257	2	1.892764	4	1.826217	10	1.786361	20	1.848344	100	1.903752
o-Xylene	0.5	1.809735	1	2.034162	2	2.058157	5	1.980007	10	2.097219	50	1.904193
Vinyl acetate	0.9995		1.999	0.1997637	3.998	0.2209446	9.995	0.2394112	19.99	0.2685764	99.95	0.2937542
Xylenes (total)	1.5	1.709417	3	1.939897	6	1.90353	15	1.850909	30	1.931302	150	1.903899
Dibromofluoromethane												
1,2-Dichloroethane-d4												
Toluene-d8												
tert-Amyl alcohol	2.5		5		10	1.240618E-02	25	1.520676E-02	50	1.347849E-02	250	1.416173E-02
tert-Amyl ethyl ether	0.5	0.4587944	1	0.5134538	2	0.5245327	5	0.5013312	10	0.5533532	50	0.5301972

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1084001	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	3/22/11 12:12 3/24/11 16:07

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone							1	9.676416E-02	2	8.053093E-02	4	8.420424E-02
Acrolein	500.2	3.173887E-02	750.3	2.937506E-02	1000	2.768902E-02						
Acrylonitrile	499.8	9.864455E-02	749.7	9.294596E-02	999.6	9.375583E-02						
Benzene	100	0.9144761	150	0.873771	200	0.8515421						
Bromobenzene	100	0.7048626	150	0.6539573	200	0.7106032						
Bromochloromethane	100	0.1693457	150	0.1644463	200	0.1653773						
Tert-Amyl Methyl Ether	100	0.6547025	150	0.6530024	200	0.6596239						
Bromodichloromethane	100	0.3080737	150	0.3010907	200	0.2946025						
Bromoform	100	0.6799253	150	0.6434859	200	0.6324485						
Bromomethane	100	0.1832905	150	0.1817661	200	0.1913007						
Bromofluorobenzene							30	0.9635724	30	0.9440623	40	0.8912567
n-Butylbenzene	100	1.16328	150	1.12078	200	1.169286						
2-Butanone							1		2	8.254808E-02	4	9.520534E-02
sec-Butylbenzene	100	1.5481	150	1.474173	200	1.596414						
tert-Butylbenzene	100	1.153988	150	1.024961	200	1.118953						
Carbon disulfide	100	0.8193305	150	0.7928191	200	0.8127577						
Carbon tetrachloride	100	0.2859138	150	0.2731241	200	0.2809683						
Chlorobenzene	100	1.622015	150	1.511716	200	1.453362						
Chloroethane	100	0.1427324	150	0.135294	200	0.1586412						
Chloroform	100	0.4194242	150	0.4096553	200	0.4204004						
2-Chloroethyl vinyl ether	199.5	0.1581696	299.2	0.1542038	399	0.1547493						
Chloromethane	100	0.2250998	150	0.2159445	200	0.2206076						
1-Chlorohexane	100.2	1.3071	150.3	1.206912	200.4	1.157005						
2-Chlorotoluene	100	1.268256	150	1.290035	200	1.231573						
4-Chlorotoluene	100	1.300482	150	1.235023	200	1.370671						
Cyclohexane	100	0.3048506	150	0.2636526	200	0.3072111						
Dibromochloromethane	100	0.7861455	150	0.7252525	200	0.7481696						
1,2-Dibromo-3-chloropropane	100	0.1678492	150	0.161815	200	0.1796314						
1,2-Dibromoethane (EDB)	100	0.732817	150	0.6772909	200	0.6750182						
Dibromomethane	100	0.1883577	150	0.175534	200	0.1803374						
1,2-Dichlorobenzene	100	1.052326	150	1.00834	200	1.052024						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1084001	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	3/22/11 12:12 3/24/11 16:07

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,3-Dichlorobenzene	100	0.9958718	150	1.037701	200	1.202761						
1,4-Dichlorobenzene	100	1.116456	150	0.9717294	200	0.9335261						
Dichlorodifluoromethane	100	0.2419189	150	0.2370702	200	0.2341892						
1,1-Dichloroethane	100	0.4404645	150	0.4261162	200	0.4379213						
1,2-Dichloroethane	100	0.2868896	150	0.2654326	200	0.2851214						
1,1-Dichloroethene	100	0.2316282	150	0.2260677	200	0.2299502						
cis-1,2-Dichloroethene	100	0.2942959	150	0.2842498	200	0.2956806						
trans-1,2-Dichloroethene	100	0.2714927	150	0.2592365	200	0.2750798						
1,2-Dichloroethene (total)	200	0.2828943	300	0.2717431	400	0.2853802						
1,2-Dichloropropane	100	0.2435348	150	0.2284693	200	0.2294573						
1,3-Dichloropropane	100	0.9483657	150	0.8463884	200	0.8525825						
2,2-Dichloropropane	100	0.272076	150	0.2617397	200	0.2594256						
1,1-Dichloropropene	100	0.3035675	150	0.2980514	200	0.3118361						
cis-1,3-Dichloropropene	100	0.3795706	150	0.3571907	200	0.3671584						
trans-1,3-Dichloropropene	100	0.8372163	150	0.7768983	200	0.7646759						
Diisopropyl Ether	100	0.9255935	150	0.8720579	200	0.8882683						
Ethylbenzene	100	2.503902	150	2.29151	200	2.152738						
Ethyl tert-Butyl Ether	100	0.7071197	150	0.6920199	200	0.7180637						
Ethyl Methacrylate	100	0.8239533	150	0.7833218	200	0.7495701						
Hexachlorobutadiene	100	0.2462985	150	0.2450444	200	0.2747038						
2-Hexanone							1	0.2720755	2	0.3183527	4	0.3277497
Iodomethane	100	0.4865004	150	0.4643858	200	0.487461						
Isopropylbenzene	100	1.970274	150	1.794816	200	1.699738						
p-Isopropyltoluene	100	1.220845	150	1.111221	200	1.120249						
Methylene chloride	100	0.3057949	150	0.2789757	200	0.2877929						
Methyl Acetate	100	0.2141575	150	0.2030866	200	0.2064528						
Methylcyclohexane	100	0.2291504	150	0.2245852	200	0.2333982						
Naphthalene	100	1.451622	150	1.408555	200	1.498						
Methyl Methacrylate	100	0.2071562	150	0.2020097	200	0.2078491						
4-Methyl-2-pentanone							1	0.1792344	2	0.1803689	4	0.1937574
Methyl t-Butyl Ether	100	0.6277299	150	0.6282743	200	0.6196955						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1084001	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	3/22/11 12:12 3/24/11 16:07

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
n-Propylbenzene	100	1.925682	150	1.825062	200	1.948952						
Styrene	100	1.729849	150	1.548822	200	1.496283						
1,1,2,2-Tetrachloroethane	100	0.637664	150	0.5995633	200	0.6359632						
1,1,1,2-Tetrachloroethane	100	0.6194897	150	0.5858213	200	0.5838703						
tert-Butyl alcohol	500	2.368182E-02	750	2.318323E-02	1000	2.320804E-02						
Tetrachloroethene	100	0.7682393	150	0.7229287	200	0.7038116						
Toluene	100	1.395961	150	1.249622	200	1.285406						
1,2,3-Trichlorobenzene	100	0.594589	150	0.5688162	200	0.6121416						
1,2,4-Trichlorobenzene	100	0.6353362	150	0.6339723	200	0.7029186						
1,1,2-Trichloroethane	100	0.5255027	150	0.4822233	200	0.4677561						
1,1,1-Trichloroethane	100	0.320252	150	0.3054736	200	0.3144986						
Tetrahydrofuran	100	6.914901E-02	150	6.587517E-02	200	0.0681904						
Trichloroethene	100	0.2414742	150	0.2362929	200	0.2307734						
Trichlorofluoromethane	100	0.3628863	150	0.3389962	200	0.3456426						
1,2,3-Trichloropropane	100	0.2128739	150	0.1770287	200	0.1865017						
1,3,5-Trimethylbenzene	100	1.36684	150	1.200981	200	1.376375						
1,2,4-Trimethylbenzene	100	1.422455	150	1.290468	200	1.37869						
1,1,2-Trichloro-1,2,2-trifluoroethan	100	0.2495495	150	0.235193	200	0.2423654						
Vinyl chloride	100	0.1832075	150	0.1635977	200	0.1583852						
m,p-Xylene	200	1.779028	300	1.553914	400	1.430367						
o-Xylene	100	1.945887	150	1.743427	200	1.632245						
Vinyl acetate	199.9	0.3139199	299.8	0.3007406	399.8	0.3145967						
Xylenes (total)	300	1.834648	450	1.617085	600	1.497659						
Dibromofluoromethane							30	0.3164576	30	0.3129749	40	0.3138379
1,2-Dichloroethane-d4							30	6.460321E-02	30	6.214455E-02	40	6.335811E-02
Toluene-d8							30	2.439073	30	2.385151	40	2.274829
tert-Amyl alcohol	500	1.632717E-02	750	1.575855E-02	1000	1.720482E-02						
tert-Amyl ethyl ether	100	0.5694808	150	0.5426943	200	0.544507						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_007	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1084001		Instrument:	MS-VOA4	
Matrix:	Water		Calibration Dates:	3/22/11 12:12	3/24/11 16:07

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone	10	7.283489E-02	20	7.330563E-02	100	6.809305E-02	200	6.894762E-02	300	0.0660034	400	7.167138E-02
Acrolein												
Acrylonitrile												
Benzene												
Bromobenzene												
Bromochloromethane												
Tert-Amyl Methyl Ether												
Bromodichloromethane												
Bromoform												
Bromomethane												
Bromofluorobenzene	50	0.8681834	60	0.8721699	70	0.8257098	30	0.9926367	30	0.9617093	30	0.9640892
n-Butylbenzene												
2-Butanone	10	0.1013737	20	0.1075082	100	0.1109828	200	0.1119231	300	0.1096259	400	0.1113044
sec-Butylbenzene												
tert-Butylbenzene												
Carbon disulfide												
Carbon tetrachloride												
Chlorobenzene												
Chloroethane												
Chloroform												
2-Chloroethyl vinyl ether												
Chloromethane												
1-Chlorohexane												
2-Chlorotoluene												
4-Chlorotoluene												
Cyclohexane												
Dibromochloromethane												
1,2-Dibromo-3-chloropropane												
1,2-Dibromoethane (EDB)												
Dibromomethane												
1,2-Dichlorobenzene												

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1084001	Instrument:	MS-VOA4	
Matrix:	Water	Calibration Dates:	3/22/11 12:12	3/24/11 16:07

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,3-Dichlorobenzene												
1,4-Dichlorobenzene												
Dichlorodifluoromethane												
1,1-Dichloroethane												
1,2-Dichloroethane												
1,1-Dichloroethene												
cis-1,2-Dichloroethene												
trans-1,2-Dichloroethene												
1,2-Dichloroethene (total)												
1,2-Dichloropropane												
1,3-Dichloropropane												
2,2-Dichloropropane												
1,1-Dichloropropene												
cis-1,3-Dichloropropene												
trans-1,3-Dichloropropene												
Diisopropyl Ether												
Ethylbenzene												
Ethyl tert-Butyl Ether												
Ethyl Methacrylate												
Hexachlorobutadiene												
2-Hexanone	10	0.3524781	20	0.4038063	100	0.3706551	200	0.3914321	300	0.3798105	400	0.3799614
Iodomethane												
Isopropylbenzene												
p-Isopropyltoluene												
Methylene chloride												
Methyl Acetate												
Methylcyclohexane												
Naphthalene												
Methyl Methacrylate												
4-Methyl-2-pentanone	10	0.1996308	20	0.2178405	100	0.2118568	200	0.2175817	300	0.1998162	400	0.2085091
Methyl t-Butyl Ether												

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1084001	Instrument:	MS-VOA4	
Matrix:	Water	Calibration Dates:	3/22/11 12:12	3/24/11 16:07

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
n-Propylbenzene												
Styrene												
1,1,2,2-Tetrachloroethane												
1,1,1,2-Tetrachloroethane												
tert-Butyl alcohol												
Tetrachloroethene												
Toluene												
1,2,3-Trichlorobenzene												
1,2,4-Trichlorobenzene												
1,1,2-Trichloroethane												
1,1,1-Trichloroethane												
Tetrahydrofuran												
Trichloroethene												
Trichlorofluoromethane												
1,2,3-Trichloropropane												
1,3,5-Trimethylbenzene												
1,2,4-Trimethylbenzene												
1,1,2-Trichloro-1,2,2-trifluoroethan												
Vinyl chloride												
m,p-Xylene												
o-Xylene												
Vinyl acetate												
Xylenes (total)												
Dibromofluoromethane	50	0.310604	60	0.3028994	70	0.3026789	30	0.3148825	30	0.3145714	30	0.3244476
1,2-Dichloroethane-d4	50	6.399363E-02	60	6.495948E-02	70	0.064001	30	6.562098E-02	30	6.507669E-02	30	6.206264E-02
Toluene-d8	50	2.151386	60	2.249312	70	2.21533	30	2.468186	30	2.421018	30	2.437334
tert-Amyl alcohol												
tert-Amyl ethyl ether												

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1084001	Instrument:	MS-VOA4	
Matrix:	Water	Calibration Dates:	3/22/11 12:12	3/24/11 16:07

Compound	Level 19		Level 20		Level 21		Level 22		Level 23		Level 24	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone												
Acrolein												
Acrylonitrile												
Benzene												
Bromobenzene												
Bromochloromethane												
Tert-Amyl Methyl Ether												
Bromodichloromethane												
Bromoform												
Bromomethane												
Bromofluorobenzene												
n-Butylbenzene												
2-Butanone												
sec-Butylbenzene												
tert-Butylbenzene												
Carbon disulfide												
Carbon tetrachloride												
Chlorobenzene												
Chloroethane												
Chloroform												
2-Chloroethyl vinyl ether												
Chloromethane												
1-Chlorohexane												
2-Chlorotoluene												
4-Chlorotoluene												
Cyclohexane												
Dibromochloromethane												
1,2-Dibromo-3-chloropropane												
1,2-Dibromoethane (EDB)												
Dibromomethane												
1,2-Dichlorobenzene												

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1084001	Instrument:	MS-VOA4	
Matrix:	Water	Calibration Dates:	3/22/11 12:12	3/24/11 16:07

Compound	Level 19		Level 20		Level 21		Level 22		Level 23		Level 24	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,3-Dichlorobenzene												
1,4-Dichlorobenzene												
Dichlorodifluoromethane												
1,1-Dichloroethane												
1,2-Dichloroethane												
1,1-Dichloroethene												
cis-1,2-Dichloroethene												
trans-1,2-Dichloroethene												
1,2-Dichloroethene (total)												
1,2-Dichloropropane												
1,3-Dichloropropane												
2,2-Dichloropropane												
1,1-Dichloropropene												
cis-1,3-Dichloropropene												
trans-1,3-Dichloropropene												
Diisopropyl Ether												
Ethylbenzene												
Ethyl tert-Butyl Ether												
Ethyl Methacrylate												
Hexachlorobutadiene												
2-Hexanone												
Iodomethane												
Isopropylbenzene												
p-Isopropyltoluene												
Methylene chloride												
Methyl Acetate												
Methylcyclohexane												
Naphthalene												
Methyl Methacrylate												
4-Methyl-2-pentanone												
Methyl t-Butyl Ether												

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1084001	Instrument:	MS-VOA4	
Matrix:	Water	Calibration Dates:	3/22/11 12:12	3/24/11 16:07

Compound	Level 19		Level 20		Level 21		Level 22		Level 23		Level 24	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
n-Propylbenzene												
Styrene												
1,1,2,2-Tetrachloroethane												
1,1,1,2-Tetrachloroethane												
tert-Butyl alcohol												
Tetrachloroethene												
Toluene												
1,2,3-Trichlorobenzene												
1,2,4-Trichlorobenzene												
1,1,2-Trichloroethane												
1,1,1-Trichloroethane												
Tetrahydrofuran												
Trichloroethene												
Trichlorofluoromethane												
1,2,3-Trichloropropane												
1,3,5-Trimethylbenzene												
1,2,4-Trimethylbenzene												
1,1,2-Trichloro-1,2,2-trifluoroethan												
Vinyl chloride												
m,p-Xylene												
o-Xylene												
Vinyl acetate												
Xylenes (total)												
Dibromofluoromethane												
1,2-Dichloroethane-d4												
Toluene-d8												
tert-Amyl alcohol												
tert-Amyl ethyl ether												

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1084001	Instrument:	MS-VOA4	
Matrix:	Water	Calibration Dates:	3/22/11 12:12	3/24/11 16:07

Compound	Level 25		Level 26		Level 27		Level 28		Level 29		Level 30	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone												
Acrolein												
Acrylonitrile												
Benzene												
Bromobenzene												
Bromochloromethane												
Tert-Amyl Methyl Ether												
Bromodichloromethane												
Bromoform												
Bromomethane												
Bromofluorobenzene												
n-Butylbenzene												
2-Butanone												
sec-Butylbenzene												
tert-Butylbenzene												
Carbon disulfide												
Carbon tetrachloride												
Chlorobenzene												
Chloroethane												
Chloroform												
2-Chloroethyl vinyl ether												
Chloromethane												
1-Chlorohexane												
2-Chlorotoluene												
4-Chlorotoluene												
Cyclohexane												
Dibromochloromethane												
1,2-Dibromo-3-chloropropane												
1,2-Dibromoethane (EDB)												
Dibromomethane												
1,2-Dichlorobenzene												

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1084001	Instrument:	MS-VOA4	
Matrix:	Water	Calibration Dates:	3/22/11 12:12	3/24/11 16:07

Compound	Level 25		Level 26		Level 27		Level 28		Level 29		Level 30	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,3-Dichlorobenzene												
1,4-Dichlorobenzene												
Dichlorodifluoromethane												
1,1-Dichloroethane												
1,2-Dichloroethane												
1,1-Dichloroethene												
cis-1,2-Dichloroethene												
trans-1,2-Dichloroethene												
1,2-Dichloroethene (total)												
1,2-Dichloropropane												
1,3-Dichloropropane												
2,2-Dichloropropane												
1,1-Dichloropropene												
cis-1,3-Dichloropropene												
trans-1,3-Dichloropropene												
Diisopropyl Ether												
Ethylbenzene												
Ethyl tert-Butyl Ether												
Ethyl Methacrylate												
Hexachlorobutadiene												
2-Hexanone												
Iodomethane												
Isopropylbenzene												
p-Isopropyltoluene												
Methylene chloride												
Methyl Acetate												
Methylcyclohexane												
Naphthalene												
Methyl Methacrylate												
4-Methyl-2-pentanone												
Methyl t-Butyl Ether												

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1084001	Instrument:	MS-VOA4	
Matrix:	Water	Calibration Dates:	3/22/11 12:12	3/24/11 16:07

Compound	Level 25		Level 26		Level 27		Level 28		Level 29		Level 30	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
n-Propylbenzene												
Styrene												
1,1,2,2-Tetrachloroethane												
1,1,1,2-Tetrachloroethane												
tert-Butyl alcohol												
Tetrachloroethene												
Toluene												
1,2,3-Trichlorobenzene												
1,2,4-Trichlorobenzene												
1,1,2-Trichloroethane												
1,1,1-Trichloroethane												
Tetrahydrofuran												
Trichloroethene												
Trichlorofluoromethane												
1,2,3-Trichloropropane												
1,3,5-Trimethylbenzene												
1,2,4-Trimethylbenzene												
1,1,2-Trichloro-1,2,2-trifluoroethan												
Vinyl chloride												
m,p-Xylene												
o-Xylene												
Vinyl acetate												
Xylenes (total)												
Dibromofluoromethane												
1,2-Dichloroethane-d4												
Toluene-d8												
tert-Amyl alcohol												
tert-Amyl ethyl ether												

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1084001	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	3/22/11 12:12 3/24/11 16:07

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acetone	7.581725E-02	12.9138	4.790222	0.049049			15	
Acrolein	0.0332781	17.15086	4.637778	0.1328997	0.9963037		0.995	
Acrylonitrile	9.075655E-02	5.967214	5.377556	0.1635177			15	
Benzene	0.8598124	5.826665	11.32467	2.571886E-02			15	
Bromobenzene	0.7031528	3.794934	16.60044	0.0129509			15	
Bromochloromethane	0.1571874	10.14989	8.420222	8.362025E-02			15	
Tert-Amyl Methyl Ether	0.7401368	21.15049	11.73244	4.981305E-02	0.9999557		0.995	
Bromodichloromethane	0.2975079	3.338864	12.46467	3.137315E-02			15	
Bromoform	0.6079959	10.51022	15.90856	2.272561E-02			SPCC (0.1)	
Bromomethane	0.1697082	8.151545	3.912111	8.414468E-02			15	
Bromofluorobenzene	0.9203766	6.208993	16.44933	2.376311E-02			15	
n-Butylbenzene	1.150237	5.314464	17.69211	1.288763E-02			15	
2-Butanone	0.1038089	9.991007	7.8065	0.2294757			15	
sec-Butylbenzene	1.609253	4.427802	17.27867	7.963235E-03			15	
tert-Butylbenzene	1.130788	4.65364	17.12422	2.256859E-02			15	
Carbon disulfide	0.7726197	4.943713	5.798444	5.382923E-02			15	
Carbon tetrachloride	0.2679136	5.772236	11.26011	3.763941E-02			15	
Chlorobenzene	1.626743	6.247375	15.50867	1.878259E-02			SPCC (0.3)	
Chloroethane	0.136575	12.25603	4.05075	7.761321E-02			15	
Chloroform	0.4102609	3.178745	8.548444	7.068972E-02			CCC (20)	
2-Chloroethyl vinyl ether	0.1487639	7.6876	13.11567	2.831501E-02			15	
Chloromethane	0.2276648	4.533361	3.351889	0.1851388			SPCC (0.1)	
1-Chlorohexane	1.358226	8.38456	15.47567	1.868553E-02			15	
2-Chlorotoluene	1.343142	4.69334	16.80522	1.699125E-02			15	
4-Chlorotoluene	1.357899	8.127378	16.86222	0.0210047			15	
Cyclohexane	0.2868146	7.071416	11.10344	4.114454E-02			15	
Dibromochloromethane	0.7343881	7.37851	14.498	2.038201E-02			15	
1,2-Dibromo-3-chloropropane	0.1573495	9.086748	17.999	1.942704E-02			15	
1,2-Dibromoethane (EDB)	0.6906692	6.011137	14.73144	2.734917E-02			15	
Dibromomethane	0.1768221	3.662959	12.26744	3.079701E-02			15	
1,2-Dichlorobenzene	1.056748	4.719013	17.66033	1.217516E-02			15	
1,3-Dichlorobenzene	1.094328	6.392817	17.351	1.702519E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1084001	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	3/22/11 12:12 3/24/11 16:07

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.157104	11.35253	17.39611	2.310506E-02			15	
Dichlorodifluoromethane	0.224461	7.777908	3.164444	0.1567193	0.9997794		0.995	
1,1-Dichloroethane	0.4233929	3.852676	6.929333	5.766121E-02			SPCC (0.1)	
1,2-Dichloroethane	0.2732127	4.979538	10.278	6.273465E-02			15	
1,1-Dichloroethene	0.2255965	2.433535	5.305222	0.1119123			CCC (20)	
cis-1,2-Dichloroethene	0.2774913	4.918828	8.094667	5.817293E-02			15	
trans-1,2-Dichloroethene	0.2597497	3.773239	6.48	8.829922E-02			15	
1,2-Dichloroethene (total)	0.2686205	3.882943	0	0			15	
1,2-Dichloropropane	0.2331725	2.515092	12.33544	2.167003E-02			CCC (20)	
1,3-Dichloropropane	0.9185418	5.439147	14.269	2.048293E-02			15	
2,2-Dichloropropane	0.2659142	4.514366	8.743333	8.804082E-02			15	
1,1-Dichloropropene	0.2914419	5.221887	10.97411	0.0500267			15	
cis-1,3-Dichloropropene	0.3482888	6.389209	13.35244	2.369358E-02			15	
trans-1,3-Dichloropropene	0.7769797	9.251968	13.86111	4.045963E-02			15	
Diisopropyl Ether	0.854156	5.083156	7.850333	8.818108E-02			15	
Ethylbenzene	2.383883	5.783688	15.674	1.935092E-02			CCC (20)	
Ethyl tert-Butyl Ether	0.6745049	5.034467	8.780778	9.038613E-02			15	
Ethyl Methacrylate	0.7225211	13.76591	14.35022	2.645229E-02			15	
Hexachlorobutadiene	0.2603432	11.89493	19.34811	1.207234E-02			15	
2-Hexanone	0.3551468	11.84673	14.46544	4.641752E-02			15	
Iodomethane	0.3888302	22.59284	5.351111	7.955871E-02	0.9989867		0.995	
Isopropylbenzene	1.917265	6.129876	16.414	1.366668E-02			15	
p-Isopropyltoluene	1.255108	7.431759	17.39944	2.517309E-02			15	
Methylene chloride	0.2879524	5.828811	5.501333	9.345302E-02			15	
Methyl Acetate	0.20594	4.133282	5.540667	0.1281724			15	
Methylcyclohexane	0.2253353	2.575007	13.09289	3.933038E-02			15	
Naphthalene	1.417306	6.665996	19.32067	1.136041E-02			15	
Methyl Methacrylate	0.1836272	13.14786	12.78578	6.663479E-02			15	
4-Methyl-2-pentanone	0.2009551	7.228209	13.52167	0.0254952			15	
Methyl t-Butyl Ether	0.596171	5.584011	6.691778	7.990925E-02			15	
n-Propylbenzene	2.001293	6.77353	16.72956	0.0224652			15	
Styrene	1.638556	7.31779	16.08856	1.029711E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_007	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1084001		Instrument:	MS-VOA4	
Matrix:	Water		Calibration Dates:	3/22/11 12:12	3/24/11 16:07

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1,2,2-Tetrachloroethane	0.6466982	6.856913	16.15533	1.338021E-02			SPCC (0.3)	
1,1,1,2-Tetrachloroethane	0.6133557	5.83761	15.45256	1.691596E-02			15	
tert-Butyl alcohol	2.344623E-02	7.278464	5.314889	0.1563845			15	
Tetrachloroethene	0.7309561	5.286144	14.91456	1.413254E-02			15	
Toluene	1.363325	6.6632	14.19011	1.729517E-02			CCC (20)	
1,2,3-Trichlorobenzene	0.6001166	3.890404	19.527	1.278597E-02			15	
1,2,4-Trichlorobenzene	0.6583787	4.045397	19.09289	1.032949E-02			15	
1,1,2-Trichloroethane	0.5040212	5.521156	14.007	2.384727E-02			15	
1,1,1-Trichloroethane	0.3016893	4.179094	10.529	4.744627E-02			15	
Tetrahydrofuran	6.538618E-02	5.631098	9.373143	0.1542967			15	
Trichloroethene	0.238184	3.372401	12.41433	0.019625			15	
Trichlorofluoromethane	0.339243	6.312842	4.652778	0.1167494			15	
1,2,3-Trichloropropane	0.1954897	6.78891	16.25944	0.0241375			15	
1,3,5-Trimethylbenzene	1.339339	6.632903	16.927	0.0213542			15	
1,2,4-Trimethylbenzene	1.433776	5.417154	17.20311	1.575506E-02			15	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2354837	4.883444	5.569222	5.917367E-02			15	
Vinyl chloride	0.1940212	12.4411	3.516222	0.1544052			CCC (20)	
m,p-Xylene	1.742223	9.298898	15.832	1.472031E-02			15	
o-Xylene	1.91167	8.136781	16.14311	2.156804E-03			15	
Vinyl acetate	0.2689634	16.44564	7.1815	0.1221153	0.9992009		0.995	
Xylenes (total)	1.798705	8.683755	0	0			15	
Dibromofluoromethane	0.3125949	2.153483	8.840222	4.694645E-02			15	
1,2-Dichloroethane-d4	6.398003E-02	1.967422	10.07556	5.066511E-02			15	
Toluene-d8	2.337958	4.966846	14.12222	1.973727E-02			15	
tert-Amyl alcohol	1.493481E-02	11.25626	9.834143	0.1522273			15	
tert-Amyl ethyl ether	0.5264827	6.213158	13.01056	7.748973E-03			15	

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	1078001
Lab File ID:	0307ICV1.D	Calibration Date:	03/07/11 12:53
Sequence:	1C07710	Injection Date:	03/07/11
Lab Sample ID:	1C07710-ICV1	Injection Time:	17:25

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Benzene	A	50.00	59.48	0.7397262	0.8799265		19.0	20
Bromobenzene	A	50.00	55.30	0.5955634	0.6587394		10.6	20
Bromochloromethane	A	50.00	54.85	0.1240907	0.1361272		9.7	20
Bromodichloromethane	A	50.00	53.75	0.393441	0.4229182		7.5	20
Bromoform	A	50.00	57.40	0.3892677	0.4469115	0.1	14.8	20
Bromomethane	A	50.00	51.92	0.2262604	0.234957		3.8	20
n-Butylbenzene	A	50.00	57.74	1.378201	1.591496		15.5	20
sec-Butylbenzene	A	50.00	55.42	1.844833	2.044655		10.8	20
tert-Butylbenzene	A	50.00	53.80	1.620182	1.743335		7.6	20
Carbon disulfide	A	50.00	58.41	0.6346432	0.7413352		16.8	20
Carbon tetrachloride	A	50.00	49.09	0.3803403	0.3734151		-1.8	20
Chlorobenzene	A	50.00	55.74	1.095895	1.221753	0.3	11.5	20
Chloroethane	A	50.00	54.54	0.1608279	0.1754173		9.1	20
Chloroform	A	50.00	49.17	0.5084763	0.5000049		-1.7	20
Chloromethane	A	50.00	57.49	0.2980831	0.3427103	0.1	15.0	20
2-Chlorotoluene	A	50.00	55.00	1.523137	1.675585		10.0	20
4-Chlorotoluene	A	50.00	55.83	1.587775	1.773012		11.7	20
Dibromochloromethane	A	50.00	58.28	0.5274875	0.6148636		16.6	20
1,2-Dibromo-3-chloropropane	L	50.00	47.17	0.1119632	0.1291693		-5.7	20
1,2-Dibromoethane (EDB)	A	50.00	55.92	0.4534325	0.5070809		11.8	20
Dibromomethane	A	50.00	51.72	0.1896182	0.1961292		3.4	20
1,2-Dichlorobenzene	A	50.00	56.09	0.9705237	1.088711		12.2	20
1,3-Dichlorobenzene	A	50.00	52.91	1.080832	1.143647		5.8	20
1,4-Dichlorobenzene	A	50.00	52.36	1.153474	1.207882		4.7	20
Dichlorodifluoromethane	A	50.00	58.04	0.312813	0.3631019		16.1	20
1,1-Dichloroethane	A	50.00	56.02	0.4332253	0.4854186	0.1	12.0	20
1,2-Dichloroethane	A	50.00	47.12	0.4958155	0.4673052		-5.8	20
1,1-Dichloroethene	A	50.00	59.42	0.1779832	0.2115188		18.8	20
cis-1,2-Dichloroethene	A	50.00	57.97	0.2226177	0.2580961		15.9	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	1078001
Lab File ID:	0307ICV1.D	Calibration Date:	03/07/11 12:53
Sequence:	1C07710	Injection Date:	03/07/11
Lab Sample ID:	1C07710-ICV1	Injection Time:	17:25

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
trans-1,2-Dichloroethene	A	50.00	59.92	0.2077027	0.2489035		19.8	20
1,2-Dichloropropane	L	50.00	51.37	0.2138675	0.2437518		2.7	20
1,3-Dichloropropane	A	50.00	56.32	0.7045052	0.7936188		12.6	20
2,2-Dichloropropane	A	50.00	49.07	0.387605	0.3803702		-1.9	20
1,1-Dichloropropene	A	50.00	58.71	0.3169346	0.3721348		17.4	20
cis-1,3-Dichloropropene	A	50.00	54.53	0.3942719	0.4300312		9.1	20
Hexachlorobutadiene	A	50.00	55.74	0.3208413	0.3576504		11.5	20
p-Isopropyltoluene	A	50.00	57.62	1.23658	1.424987		15.2	20
Methylene chloride	A	50.00	50.99	0.2446354	0.2494835		2.0	20
Naphthalene	L	50.00	50.81	1.191261	1.441401		1.6	20
Methyl t-Butyl Ether	A	50.00	53.21	0.6052207	0.6440646		6.4	20
n-Propylbenzene	A	50.00	56.93	2.237126	2.547313		13.9	20
1,1,2,2-Tetrachloroethane	A	50.00	52.93	0.6316098	0.6686627	0.3	5.9	20
1,1,1,2-Tetrachloroethane	A	50.00	54.81	0.4599538	0.5042274		9.6	20
1,2,3-Trichlorobenzene	A	50.00	57.70	0.5261452	0.6071389		15.4	20
1,2,4-Trichlorobenzene	A	50.00	58.39	0.5974773	0.6977		16.8	20
1,1,2-Trichloroethane	A	50.00	56.21	0.3365667	0.3783446		12.4	20
1,1,1-Trichloroethane	A	50.00	49.81	0.4251429	0.4235339		-0.4	20
Trichloroethene	A	50.00	55.49	0.2427349	0.2693846		11.0	20
Trichlorofluoromethane	A	50.00	47.36	0.4960262	0.4698238		-5.3	20
1,2,3-Trichloropropane	A	50.00	53.16	0.1614366	0.1716316		6.3	20
1,3,5-Trimethylbenzene	A	50.00	55.22	1.570048	1.73394		10.4	20
1,2,4-Trimethylbenzene	A	50.00	57.56	1.587548	1.827663		15.1	20
Vinyl chloride	L	50.00	50.30	0.2947606	0.3316271		0.6	20
m,p-Xylene	A	100.0	118.9	1.366232	1.624901		18.9	20
o-Xylene	A	50.00	59.25	1.476455	1.749506		18.5	20
Bromofluorobenzene	A	30.00	30.02	0.864999	0.8654822		0.06	20
Dibromofluoromethane	A	30.00	28.13	0.3744165	0.3515641		-6.1	20
1,2-Dichloroethane-d4	A	30.00	30.21	6.425678E-02	6.471411E-02		0.7	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	1078001
Lab File ID:	0307ICV1.D	Calibration Date:	03/07/11 12:53
Sequence:	1C07710	Injection Date:	03/07/11
Lab Sample ID:	1C07710-ICV1	Injection Time:	17:25

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Toluene-d8	A	30.00	31.54	1.791679	1.883703		5.1	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	1078001
Lab File ID:	0307ICV2.D	Calibration Date:	03/07/11 12:53
Sequence:	1C07710	Injection Date:	03/07/11
Lab Sample ID:	1C07710-ICV2	Injection Time:	17:55

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
trans-1,3-Dichloropropene	L	100.0	118.1	0.6325373	0.8172188		18.1	20
Ethylbenzene	A	100.0	110.5	1.744482	1.927945		10.5	20
Isopropylbenzene	A	100.0	118.6	1.42457	1.689068		18.6	20
Styrene	L	100.0	116.7	0.9900017	1.258687		16.7	20
Tetrachloroethene	A	100.0	114.1	0.4471173	0.5103314		14.1	20
Toluene	A	100.0	114.8	0.898576	1.031524		14.8	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	1078001
Lab File ID:	0317ICV3.D	Calibration Date:	03/07/11 12:53
Sequence:	1C07710	Injection Date:	03/17/11
Lab Sample ID:	1C07710-ICV3	Injection Time:	23:45

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetone	A	100.0	111.5	0.1125867	0.1254959		11.5	20
2-Butanone	L	100.0	103.3	0.1018668	0.1263333		3.3	20
2-Hexanone	L	100.0	104.2	0.28784	0.3857412		4.2	20
4-Methyl-2-pentanone	L	100.0	102.1	0.2291641	0.2777774		2.1	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1084001
Lab File ID:	0322ICV2.D	Calibration Date:	03/22/11 12:12
Sequence:	1C08402	Injection Date:	03/22/11
Lab Sample ID:	1C08402-ICV2	Injection Time:	17:09

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Benzene	A	100.0	102.3	0.8598124	0.8792613		2.3	20
Bromobenzene	A	100.0	105.2	0.7031528	0.7400573		5.2	20
Bromochloromethane	A	100.0	104.9	0.1571874	0.1648955		4.9	20
Bromodichloromethane	A	100.0	106.7	0.2975079	0.3173796		6.7	20
Bromoform	A	100.0	107.1	0.6079959	0.6513613	0.1	7.1	20
Bromomethane	A	100.0	110.3	0.1697082	0.1872267		10.3	20
n-Butylbenzene	A	100.0	101.9	1.150237	1.171818		1.9	20
sec-Butylbenzene	A	100.0	106.4	1.609253	1.712791		6.4	20
tert-Butylbenzene	A	100.0	95.34	1.130788	1.078095		-4.7	20
Carbon disulfide	A	100.0	102.1	0.7726197	0.7890189		2.1	20
Carbon tetrachloride	A	100.0	101.1	0.2679136	0.2708539		1.1	20
Chlorobenzene	A	100.0	97.15	1.626743	1.580318	0.3	-2.9	20
Chloroethane	A	100.0	101.3	0.136575	0.1384039		1.3	20
Chloroform	A	100.0	99.30	0.4102609	0.4073781		-0.7	20
Chloromethane	A	100.0	106.3	0.2276648	0.241975	0.1	6.3	20
2-Chlorotoluene	A	100.0	100.7	1.343142	1.352858		0.7	20
4-Chlorotoluene	A	100.0	102.7	1.357899	1.395079		2.7	20
Dibromochloromethane	A	100.0	106.9	0.7343881	0.7849415		6.9	20
1,2-Dibromo-3-chloropropane	A	100.0	104.7	0.1573495	0.1647416		4.7	20
1,2-Dibromoethane (EDB)	A	100.0	99.79	0.6906692	0.6892165		-0.2	20
Dibromomethane	A	100.0	102.2	0.1768221	0.1807795		2.2	20
1,2-Dichlorobenzene	A	100.0	103.1	1.056748	1.089505		3.1	20
1,3-Dichlorobenzene	A	100.0	100.1	1.094328	1.095595		0.1	20
1,4-Dichlorobenzene	A	100.0	100.7	1.157104	1.165607		0.7	20
Dichlorodifluoromethane	L	100.0	112.9	0.224461	0.2665157		12.9	20
1,1-Dichloroethane	A	100.0	103.4	0.4233929	0.4377741	0.1	3.4	20
1,2-Dichloroethane	A	100.0	96.80	0.2732127	0.2644701		-3.2	20
1,1-Dichloroethene	A	100.0	108.3	0.2255965	0.2442522		8.3	20
cis-1,2-Dichloroethene	A	100.0	101.3	0.2774913	0.2811494		1.3	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1084001
Lab File ID:	0322ICV2.D	Calibration Date:	03/22/11 12:12
Sequence:	1C08402	Injection Date:	03/22/11
Lab Sample ID:	1C08402-ICV2	Injection Time:	17:09

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
trans-1,2-Dichloroethene	A	100.0	104.9	0.2597497	0.2724359		4.9	20
1,2-Dichloropropane	A	100.0	101.7	0.2331725	0.2371705		1.7	20
1,3-Dichloropropane	A	100.0	100.9	0.9185418	0.9265413		0.9	20
2,2-Dichloropropane	A	100.0	92.23	0.2659142	0.2452457		-7.8	20
1,1-Dichloropropene	A	100.0	105.6	0.2914419	0.3078942		5.6	20
cis-1,3-Dichloropropene	A	100.0	101.8	0.3482888	0.3545571		1.8	20
trans-1,3-Dichloropropene	A	100.0	111.4	0.7769797	0.8658469		11.4	20
Ethylbenzene	A	100.0	99.95	2.383883	2.3828		-0.05	20
Hexachlorobutadiene	A	100.0	105.5	0.2603432	0.2747865		5.5	20
Isopropylbenzene	A	100.0	102.4	1.917265	1.963227		2.4	20
p-Isopropyltoluene	A	100.0	104.1	1.255108	1.306487		4.1	20
Methylene chloride	A	100.0	102.4	0.2879524	0.294727		2.4	20
Naphthalene	A	100.0	102.5	1.417306	1.453061		2.5	20
Methyl t-Butyl Ether	A	100.0	98.38	0.596171	0.586524		-1.6	20
n-Propylbenzene	A	100.0	105.8	2.001293	2.116447		5.8	20
Styrene	A	100.0	101.5	1.638556	1.662744		1.5	20
1,1,2,2-Tetrachloroethane	A	100.0	101.4	0.6466982	0.6555721	0.3	1.4	20
1,1,1,2-Tetrachloroethane	A	100.0	102.5	0.6133557	0.6285745		2.5	20
Tetrachloroethene	A	100.0	101.2	0.7309561	0.7395172		1.2	20
Toluene	A	100.0	104.6	1.363325	1.426164		4.6	20
1,2,3-Trichlorobenzene	A	100.0	100.1	0.6001166	0.6005802		0.08	20
1,2,4-Trichlorobenzene	A	100.0	100.6	0.6583787	0.6622195		0.6	20
1,1,2-Trichloroethane	A	100.0	94.83	0.5040212	0.4779758		-5.2	20
1,1,1-Trichloroethane	A	100.0	100.2	0.3016893	0.3022898		0.2	20
Trichloroethene	A	100.0	101.6	0.238184	0.2420924		1.6	20
Trichlorofluoromethane	A	100.0	103.2	0.339243	0.3500928		3.2	20
1,2,3-Trichloropropane	A	100.0	101.8	0.1954897	0.1989451		1.8	20
1,3,5-Trimethylbenzene	A	100.0	110.3	1.339339	1.477283		10.3	20
1,2,4-Trimethylbenzene	A	100.0	104.2	1.433776	1.493535		4.2	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1084001
Lab File ID:	0322ICV2.D	Calibration Date:	03/22/11 12:12
Sequence:	1C08402	Injection Date:	03/22/11
Lab Sample ID:	1C08402-ICV2	Injection Time:	17:09

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Vinyl chloride	A	100.0	97.74	0.1940212	0.1896324		-2.3	20
m,p-Xylene	A	200.0	191.0	1.742223	1.663869		-4.5	20
o-Xylene	A	100.0	96.70	1.91167	1.848528		-3.3	20
Bromofluorobenzene	A	30.00	31.02	0.9203766	0.9515789		3.4	20
Dibromofluoromethane	A	30.00	30.47	0.3125949	0.3174666		1.6	20
1,2-Dichloroethane-d4	A	30.00	30.59	6.398003E-02	6.524683E-02		2.0	20
Toluene-d8	A	30.00	32.22	2.337958	2.511083		7.4	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1084001
Lab File ID:	0322ICV4.D	Calibration Date:	03/22/11 12:12
Sequence:	1C08402	Injection Date:	03/22/11
Lab Sample ID:	1C08402-ICV4	Injection Time:	22:35

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetone	A	200.0	184.1	7.581725E-02	6.978106E-02		-8.0	20
2-Butanone	A	200.0	218.7	0.1038089	0.1135033		9.3	20
2-Hexanone	A	200.0	208.6	0.3551468	0.3704884		4.3	20
4-Methyl-2-pentanone	A	200.0	213.3	0.2009551	0.2143497		6.7	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	1078001
Lab File ID:	0406CC1.D	Calibration Date:	03/07/11 12:53
Sequence:	1D09704	Injection Date:	04/06/11
Lab Sample ID:	1D09704-CCV1	Injection Time:	08:14

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	173.7	0.1125867	9.780461E-02		-13.1	20
Benzene	A	100.0	108.6	0.7397262	0.8033077		8.6	20
Bromobenzene	A	100.0	101.8	0.5955634	0.6063614		1.8	20
Bromochloromethane	A	100.0	109.9	0.1240907	0.1364258		9.9	20
Bromodichloromethane	A	100.0	116.2	0.393441	0.4569901		16.2	20
Bromoform	A	100.0	114.3	0.3892677	0.4450427	0.1	14.3	20
Bromomethane	A	100.0	79.68	0.2262604	0.1802846		-20.3	20 *
n-Butylbenzene	A	100.0	107.4	1.378201	1.480522		7.4	20
2-Butanone	L	200.0	176.6	0.1018668	0.1117269		-11.7	20
sec-Butylbenzene	A	100.0	101.3	1.844833	1.869484		1.3	20
tert-Butylbenzene	A	100.0	97.63	1.620182	1.58182		-2.4	20
Carbon disulfide	A	100.0	103.0	0.6346432	0.6536992		3.0	20
Carbon tetrachloride	A	100.0	111.7	0.3803403	0.424882		11.7	20
Chlorobenzene	A	100.0	100.8	1.095895	1.105237	0.3	0.9	20
Chloroethane	A	100.0	95.14	0.1608279	0.1530138		-4.9	20
Chloroform	A	100.0	105.6	0.5084763	0.5369281		5.6	20
Chloromethane	A	100.0	84.17	0.2980831	0.2509	0.1	-15.8	20
2-Chlorotoluene	A	100.0	103.6	1.523137	1.578054		3.6	20
4-Chlorotoluene	A	100.0	102.9	1.587775	1.634139		2.9	20
Dibromochloromethane	A	100.0	113.4	0.5274875	0.5980286		13.4	20
1,2-Dibromo-3-chloropropane	L	100.0	101.1	0.1119632	0.1417186		1.1	20
1,2-Dibromoethane (EDB)	A	100.0	105.0	0.4534325	0.4760146		5.0	20
Dibromomethane	A	100.0	116.9	0.1896182	0.2216916		16.9	20
1,2-Dichlorobenzene	A	100.0	109.2	0.9705237	1.060136		9.2	20
1,3-Dichlorobenzene	A	100.0	96.93	1.080832	1.047632		-3.1	20
1,4-Dichlorobenzene	A	100.0	103.7	1.153474	1.19613		3.7	20
Dichlorodifluoromethane	A	100.0	114.7	0.312813	0.3587123		14.7	20
1,1-Dichloroethane	A	100.0	105.3	0.4332253	0.4563516	0.1	5.3	20
1,2-Dichloroethane	A	100.0	113.2	0.4958155	0.5615414		13.3	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	1078001
Lab File ID:	0406CC1.D	Calibration Date:	03/07/11 12:53
Sequence:	1D09704	Injection Date:	04/06/11
Lab Sample ID:	1D09704-CCV1	Injection Time:	08:14

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	94.91	0.1779832	0.1689251		-5.1	20
cis-1,2-Dichloroethene	A	100.0	108.8	0.2226177	0.2421572		8.8	20
trans-1,2-Dichloroethene	A	100.0	106.1	0.2077027	0.2204342		6.1	20
1,2-Dichloropropane	L	100.0	101.1	0.2138675	0.2424848		1.1	20
1,3-Dichloropropane	A	100.0	104.9	0.7045052	0.7390081		4.9	20
2,2-Dichloropropane	A	100.0	114.0	0.387605	0.4419424		14.0	20
1,1-Dichloropropene	A	100.0	113.8	0.3169346	0.3605731		13.8	20
cis-1,3-Dichloropropene	A	100.0	121.0	0.3942719	0.4770196		21.0	20 *
trans-1,3-Dichloropropene	L	100.0	106.7	0.6325373	0.7392732		6.7	20
Ethylbenzene	A	100.0	105.9	1.744482	1.847535		5.9	20
Hexachlorobutadiene	A	100.0	94.68	0.3208413	0.3037641		-5.3	20
2-Hexanone	L	200.0	186.7	0.28784	0.3507887		-6.6	20
Isopropylbenzene	A	100.0	107.8	1.42457	1.536464		7.9	20
p-Isopropyltoluene	A	100.0	104.9	1.23658	1.29708		4.9	20
Methylene chloride	A	100.0	88.79	0.2446354	0.217223		-11.2	20
Naphthalene	L	100.0	104.8	1.191261	1.511029		4.8	20
4-Methyl-2-pentanone	L	200.0	210.4	0.2291641	0.2927498		5.2	20
Methyl t-Butyl Ether	A	100.0	109.5	0.6052207	0.6629074		9.5	20
n-Propylbenzene	A	100.0	101.4	2.237126	2.268173		1.4	20
Styrene	L	100.0	108.9	0.9900017	1.175514		8.9	20
1,1,2,2-Tetrachloroethane	A	100.0	102.8	0.6316098	0.6496424	0.3	2.9	20
1,1,1,2-Tetrachloroethane	A	100.0	103.5	0.4599538	0.4761323		3.5	20
Tetrachloroethene	A	100.0	102.3	0.4471173	0.4575645		2.3	20
Toluene	A	100.0	101.1	0.898576	0.9086021		1.1	20
1,2,3-Trichlorobenzene	A	100.0	113.9	0.5261452	0.5992556		13.9	20
1,2,4-Trichlorobenzene	A	100.0	110.2	0.5974773	0.6583822		10.2	20
1,1,2-Trichloroethane	A	100.0	104.6	0.3365667	0.3521		4.6	20
1,1,1-Trichloroethane	A	100.0	110.0	0.4251429	0.4678283		10.0	20
Trichloroethene	A	100.0	111.6	0.2427349	0.2710242		11.7	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	1078001
Lab File ID:	0406CC1.D	Calibration Date:	03/07/11 12:53
Sequence:	1D09704	Injection Date:	04/06/11
Lab Sample ID:	1D09704-CCV1	Injection Time:	08:14

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	97.20	0.4960262	0.4821191		-2.8	20
1,2,3-Trichloropropane	A	100.0	109.1	0.1614366	0.1761477		9.1	20
1,3,5-Trimethylbenzene	A	100.0	104.8	1.570048	1.645637		4.8	20
1,2,4-Trimethylbenzene	A	100.0	107.6	1.587548	1.708817		7.6	20
Vinyl chloride	L	100.0	93.81	0.2947606	0.3119252		-6.2	20
m,p-Xylene	A	200.0	211.8	1.366232	1.447136		5.9	20
o-Xylene	A	100.0	105.2	1.476455	1.553797		5.2	20
Bromofluorobenzene	A	30.00	29.46	0.864999	0.8494207		-1.8	20
Dibromofluoromethane	A	30.00	29.82	0.3744165	0.3725929		-0.5	20
1,2-Dichloroethane-d4	A	30.00	29.57	6.425678E-02	6.333419E-02		-1.4	20
Toluene-d8	A	30.00	27.09	1.791679	1.61805		-9.7	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	1078001
Lab File ID:	0407CC1.D	Calibration Date:	03/07/11 12:53
Sequence:	1D09804	Injection Date:	04/07/11
Lab Sample ID:	1D09804-CCV1	Injection Time:	14:39

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	202.3	0.1125867	0.1139075		1.2	20
Benzene	A	100.0	114.2	0.7397262	0.8444787		14.2	20
Bromobenzene	A	100.0	108.1	0.5955634	0.6439785		8.1	20
Bromochloromethane	A	100.0	112.0	0.1240907	0.1389285		12.0	20
Bromodichloromethane	A	100.0	108.6	0.393441	0.4272541		8.6	20
Bromoform	A	100.0	122.8	0.3892677	0.4781241	0.1	22.8	20 *
Bromomethane	A	100.0	79.74	0.2262604	0.1804158		-20.3	20 *
n-Butylbenzene	A	100.0	110.6	1.378201	1.523852		10.6	20
2-Butanone	L	200.0	196.0	0.1018668	0.1245878		-2.0	20
sec-Butylbenzene	A	100.0	102.7	1.844833	1.895419		2.7	20
tert-Butylbenzene	A	100.0	97.69	1.620182	1.5827		-2.3	20
Carbon disulfide	A	100.0	111.8	0.6346432	0.7097848		11.8	20
Carbon tetrachloride	A	100.0	108.7	0.3803403	0.4133982		8.7	20
Chlorobenzene	A	100.0	102.3	1.095895	1.121284	0.3	2.3	20
Chloroethane	A	100.0	94.56	0.1608279	0.152076		-5.4	20
Chloroform	A	100.0	105.4	0.5084763	0.5361666		5.4	20
Chloromethane	A	100.0	80.66	0.2980831	0.2404483	0.1	-19.3	20
2-Chlorotoluene	A	100.0	104.5	1.523137	1.591138		4.5	20
4-Chlorotoluene	A	100.0	104.6	1.587775	1.661418		4.6	20
Dibromochloromethane	A	100.0	114.8	0.5274875	0.605829		14.9	20
1,2-Dibromo-3-chloropropane	L	100.0	115.8	0.1119632	0.1627841		15.8	20
1,2-Dibromoethane (EDB)	A	100.0	111.4	0.4534325	0.5050113		11.4	20
Dibromomethane	A	100.0	115.4	0.1896182	0.2187665		15.4	20
1,2-Dichlorobenzene	A	100.0	113.1	0.9705237	1.097799		13.1	20
1,3-Dichlorobenzene	A	100.0	104.8	1.080832	1.132204		4.8	20
1,4-Dichlorobenzene	A	100.0	99.83	1.153474	1.151478		-0.2	20
Dichlorodifluoromethane	A	100.0	108.5	0.312813	0.3394012		8.5	20
1,1-Dichloroethane	A	100.0	111.9	0.4332253	0.4848015	0.1	11.9	20
1,2-Dichloroethane	A	100.0	105.2	0.4958155	0.5216234		5.2	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	1078001
Lab File ID:	0407CC1.D	Calibration Date:	03/07/11 12:53
Sequence:	1D09804	Injection Date:	04/07/11
Lab Sample ID:	1D09804-CCV1	Injection Time:	14:39

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	108.6	0.1779832	0.1933522		8.6	20
cis-1,2-Dichloroethene	A	100.0	117.4	0.2226177	0.2614571		17.4	20
trans-1,2-Dichloroethene	A	100.0	116.9	0.2077027	0.2427651		16.9	20
1,2-Dichloropropane	L	100.0	101.7	0.2138675	0.2440009		1.7	20
1,3-Dichloropropane	A	100.0	107.5	0.7045052	0.7573721		7.5	20
2,2-Dichloropropane	A	100.0	115.8	0.387605	0.4488675		15.8	20
1,1-Dichloropropene	A	100.0	117.4	0.3169346	0.3720938		17.4	20
cis-1,3-Dichloropropene	A	100.0	118.0	0.3942719	0.465393		18.0	20
trans-1,3-Dichloropropene	L	100.0	110.8	0.6325373	0.7670001		10.8	20
Ethylbenzene	A	100.0	111.3	1.744482	1.942117		11.3	20
Hexachlorobutadiene	A	100.0	97.29	0.3208413	0.3121384		-2.7	20
2-Hexanone	L	200.0	209.2	0.28784	0.393959		4.6	20
Isopropylbenzene	A	100.0	110.6	1.42457	1.575494		10.6	20
p-Isopropyltoluene	A	100.0	109.7	1.23658	1.356161		9.7	20
Methylene chloride	A	100.0	105.7	0.2446354	0.2586164		5.7	20
Naphthalene	L	100.0	112.3	1.191261	1.620428		12.3	20
4-Methyl-2-pentanone	L	200.0	219.9	0.2291641	0.3062038		10.0	20
Methyl t-Butyl Ether	A	100.0	115.2	0.6052207	0.6970389		15.2	20
n-Propylbenzene	A	100.0	107.1	2.237126	2.395516		7.1	20
Styrene	L	100.0	109.0	0.9900017	1.176509		9.0	20
1,1,2,2-Tetrachloroethane	A	100.0	109.2	0.6316098	0.6895719	0.3	9.2	20
1,1,1,2-Tetrachloroethane	A	100.0	107.6	0.4599538	0.4949284		7.6	20
Tetrachloroethene	A	100.0	112.3	0.4471173	0.5023272		12.3	20
Toluene	A	100.0	108.2	0.898576	0.9720555		8.2	20
1,2,3-Trichlorobenzene	A	100.0	121.5	0.5261452	0.6393495		21.5	20 *
1,2,4-Trichlorobenzene	A	100.0	117.1	0.5974773	0.6996231		17.1	20
1,1,2-Trichloroethane	A	100.0	108.4	0.3365667	0.3647047		8.4	20
1,1,1-Trichloroethane	A	100.0	106.0	0.4251429	0.4505766		6.0	20
Trichloroethene	A	100.0	112.4	0.2427349	0.2728676		12.4	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	1078001
Lab File ID:	0407CC1.D	Calibration Date:	03/07/11 12:53
Sequence:	1D09804	Injection Date:	04/07/11
Lab Sample ID:	1D09804-CCV1	Injection Time:	14:39

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	96.63	0.4960262	0.4793175		-3.4	20
1,2,3-Trichloropropane	A	100.0	113.4	0.1614366	0.1830646		13.4	20
1,3,5-Trimethylbenzene	A	100.0	107.5	1.570048	1.688295		7.5	20
1,2,4-Trimethylbenzene	A	100.0	107.6	1.587548	1.708125		7.6	20
Vinyl chloride	L	100.0	85.39	0.2947606	0.2836437		-14.6	20
m,p-Xylene	A	200.0	209.0	1.366232	1.427405		4.5	20
o-Xylene	A	100.0	106.6	1.476455	1.574416		6.6	20
Bromofluorobenzene	A	30.00	28.44	0.864999	0.8198759		-5.2	20
Dibromofluoromethane	A	30.00	27.84	0.3744165	0.3479505		-7.1	20
1,2-Dichloroethane-d4	A	30.00	29.77	6.425678E-02	6.375581E-02		-0.8	20
Toluene-d8	A	30.00	27.84	1.791679	1.662476		-7.2	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1084001
Lab File ID:	0411CCV1.D	Calibration Date:	03/22/11 12:12
Sequence:	1D10205	Injection Date:	04/11/11
Lab Sample ID:	1D10205-CCV1	Injection Time:	07:36

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	211.0	7.581725E-02	7.999478E-02		5.5	20
Benzene	A	100.0	104.5	0.8598124	0.8988428		4.5	20
Bromobenzene	A	100.0	94.11	0.7031528	0.6617396		-5.9	20
Bromochloromethane	A	100.0	106.8	0.1571874	0.1678165		6.8	20
Bromodichloromethane	A	100.0	105.1	0.2975079	0.3127524		5.1	20
Bromoform	A	100.0	101.0	0.6079959	0.6144	0.1	1.1	20
Bromomethane	A	100.0	101.2	0.1697082	0.171716		1.2	20
n-Butylbenzene	A	100.0	97.58	1.150237	1.12238		-2.4	20
2-Butanone	A	200.0	222.2	0.1038089	0.1153599		11.1	20
sec-Butylbenzene	A	100.0	98.70	1.609253	1.588411		-1.3	20
tert-Butylbenzene	A	100.0	95.95	1.130788	1.084958		-4.1	20
Carbon disulfide	A	100.0	105.0	0.7726197	0.8114755		5.0	20
Carbon tetrachloride	A	100.0	107.0	0.2679136	0.2866377		7.0	20
Chlorobenzene	A	100.0	97.77	1.626743	1.590474	0.3	-2.2	20
Chloroethane	A	100.0	111.1	0.136575	0.1517456		11.1	20
Chloroform	A	100.0	101.9	0.4102609	0.4180831		1.9	20
Chloromethane	A	100.0	93.44	0.2276648	0.212743	0.1	-6.6	20
2-Chlorotoluene	A	100.0	87.10	1.343142	1.169941		-12.9	20
4-Chlorotoluene	A	100.0	96.82	1.357899	1.314693		-3.2	20
Dibromochloromethane	A	100.0	103.4	0.7343881	0.7590041		3.4	20
1,2-Dibromo-3-chloropropane	A	100.0	91.85	0.1573495	0.1445209		-8.2	20
1,2-Dibromoethane (EDB)	A	100.0	99.16	0.6906692	0.6848929		-0.8	20
Dibromomethane	A	100.0	101.1	0.1768221	0.1787268		1.1	20
1,2-Dichlorobenzene	A	100.0	95.07	1.056748	1.004661		-4.9	20
1,3-Dichlorobenzene	A	100.0	90.42	1.094328	0.9895072		-9.6	20
1,4-Dichlorobenzene	A	100.0	103.5	1.157104	1.197263		3.5	20
Dichlorodifluoromethane	L	100.0	97.27	0.224461	0.2296331		-2.7	20
1,1-Dichloroethane	A	100.0	105.8	0.4233929	0.4480507	0.1	5.8	20
1,2-Dichloroethane	A	100.0	102.0	0.2732127	0.278831		2.1	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1084001
Lab File ID:	0411CCV1.D	Calibration Date:	03/22/11 12:12
Sequence:	1D10205	Injection Date:	04/11/11
Lab Sample ID:	1D10205-CCV1	Injection Time:	07:36

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	101.6	0.2255965	0.2292155		1.6	20
cis-1,2-Dichloroethene	A	100.0	105.4	0.2774913	0.2924628		5.4	20
trans-1,2-Dichloroethene	A	100.0	101.6	0.2597497	0.2640203		1.6	20
1,2-Dichloropropane	A	100.0	101.5	0.2331725	0.2366649		1.5	20
1,3-Dichloropropane	A	100.0	98.47	0.9185418	0.9044746		-1.5	20
2,2-Dichloropropane	A	100.0	117.8	0.2659142	0.31332		17.8	20
1,1-Dichloropropene	A	100.0	105.2	0.2914419	0.3065544		5.2	20
cis-1,3-Dichloropropene	A	100.0	109.6	0.3482888	0.3815989		9.6	20
trans-1,3-Dichloropropene	A	100.0	103.8	0.7769797	0.8063583		3.8	20
Ethylbenzene	A	100.0	98.42	2.383883	2.346111		-1.6	20
Hexachlorobutadiene	A	100.0	95.43	0.2603432	0.2484523		-4.6	20
2-Hexanone	A	200.0	244.1	0.3551468	0.4334845		22.1	20 *
Isopropylbenzene	A	100.0	98.89	1.917265	1.896026		-1.1	20
p-Isopropyltoluene	A	100.0	99.63	1.255108	1.250474		-0.4	20
Methylene chloride	A	100.0	102.0	0.2879524	0.2936765		2.0	20
Naphthalene	A	100.0	94.15	1.417306	1.334405		-5.8	20
4-Methyl-2-pentanone	A	200.0	233.8	0.2009551	0.2349485		16.9	20
Methyl t-Butyl Ether	A	100.0	102.8	0.596171	0.6132082		2.9	20
n-Propylbenzene	A	100.0	89.73	2.001293	1.795744		-10.3	20
Styrene	A	100.0	102.5	1.638556	1.679776		2.5	20
1,1,2,2-Tetrachloroethane	A	100.0	90.02	0.6466982	0.5821468	0.3	-10.0	20
1,1,1,2-Tetrachloroethane	A	100.0	99.51	0.6133557	0.6103564		-0.5	20
Tetrachloroethene	A	100.0	99.94	0.7309561	0.7304931		-0.06	20
Toluene	A	100.0	99.08	1.363325	1.350748		-0.9	20
1,2,3-Trichlorobenzene	A	100.0	89.63	0.6001166	0.5378753		-10.4	20
1,2,4-Trichlorobenzene	A	100.0	87.46	0.6583787	0.5758089		-12.5	20
1,1,2-Trichloroethane	A	100.0	96.58	0.5040212	0.4867963		-3.4	20
1,1,1-Trichloroethane	A	100.0	100.0	0.3016893	0.3017989		0.04	20
Trichloroethene	A	100.0	99.72	0.238184	0.2375272		-0.3	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1084001
Lab File ID:	0411CCV1.D	Calibration Date:	03/22/11 12:12
Sequence:	1D10205	Injection Date:	04/11/11
Lab Sample ID:	1D10205-CCV1	Injection Time:	07:36

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	106.0	0.339243	0.3595016		6.0	20
1,2,3-Trichloropropane	A	100.0	100.9	0.1954897	0.1972142		0.9	20
1,3,5-Trimethylbenzene	A	100.0	99.25	1.339339	1.329263		-0.8	20
1,2,4-Trimethylbenzene	A	100.0	93.50	1.433776	1.340536		-6.5	20
Vinyl chloride	A	100.0	75.49	0.1940212	0.1464663		-24.5	20 *
m,p-Xylene	A	200.0	186.4	1.742223	1.624003		-6.8	20
o-Xylene	A	100.0	94.87	1.91167	1.813682		-5.1	20
Bromofluorobenzene	A	30.00	31.80	0.9203766	0.9754748		6.0	20
Dibromofluoromethane	A	30.00	30.97	0.3125949	0.3226997		3.2	20
1,2-Dichloroethane-d4	A	30.00	28.45	6.398003E-02	6.068058E-02		-5.2	20
Toluene-d8	A	30.00	30.52	2.337958	2.378253		1.7	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1084001
Lab File ID:	0414CCV1.D	Calibration Date:	03/22/11 12:12
Sequence:	1D10504	Injection Date:	04/14/11
Lab Sample ID:	1D10504-CCV1	Injection Time:	12:34

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	222.0	7.581725E-02	8.415577E-02		11.0	20
Benzene	A	100.0	115.0	0.8598124	0.9890306		15.0	20
Bromobenzene	A	100.0	101.0	0.7031528	0.7102275		1.0	20
Bromochloromethane	A	100.0	115.8	0.1571874	0.1819969		15.8	20
Bromodichloromethane	A	100.0	115.4	0.2975079	0.3432623		15.4	20
Bromoform	A	100.0	108.0	0.6079959	0.6564308	0.1	8.0	20
Bromomethane	A	100.0	79.00	0.1697082	0.1340653		-21.0	20 *
n-Butylbenzene	A	100.0	97.87	1.150237	1.125708		-2.1	20
2-Butanone	A	200.0	185.7	0.1038089	9.637528E-02		-7.2	20
sec-Butylbenzene	A	100.0	102.6	1.609253	1.651366		2.6	20
tert-Butylbenzene	A	100.0	97.05	1.130788	1.097426		-3.0	20
Carbon disulfide	A	100.0	114.8	0.7726197	0.8869196		14.8	20
Carbon tetrachloride	A	100.0	116.9	0.2679136	0.3131935		16.9	20
Chlorobenzene	A	100.0	100.4	1.626743	1.632984	0.3	0.4	20
Chloroethane	A	100.0	124.0	0.136575	0.1693471		24.0	20 *
Chloroform	A	100.0	112.9	0.4102609	0.4631778		12.9	20
Chloromethane	A	100.0	95.34	0.2276648	0.2170585	0.1	-4.7	20
2-Chlorotoluene	A	100.0	97.84	1.343142	1.314183		-2.2	20
4-Chlorotoluene	A	100.0	102.8	1.357899	1.39661		2.9	20
Dibromochloromethane	A	100.0	109.9	0.7343881	0.8068792		9.9	20
1,2-Dibromo-3-chloropropane	A	100.0	98.07	0.1573495	0.1543071		-1.9	20
1,2-Dibromoethane (EDB)	A	100.0	107.2	0.6906692	0.740628		7.2	20
Dibromomethane	A	100.0	115.7	0.1768221	0.2045144		15.7	20
1,2-Dichlorobenzene	A	100.0	98.00	1.056748	1.035622		-2.0	20
1,3-Dichlorobenzene	A	100.0	113.3	1.094328	1.239524		13.3	20
1,4-Dichlorobenzene	A	100.0	88.94	1.157104	1.029178		-11.1	20
Dichlorodifluoromethane	L	100.0	108.9	0.224461	0.2571784		8.9	20
1,1-Dichloroethane	A	100.0	117.5	0.4233929	0.4975801	0.1	17.5	20
1,2-Dichloroethane	A	100.0	116.7	0.2732127	0.3188806		16.7	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1084001
Lab File ID:	0414CCV1.D	Calibration Date:	03/22/11 12:12
Sequence:	1D10504	Injection Date:	04/14/11
Lab Sample ID:	1D10504-CCV1	Injection Time:	12:34

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	115.0	0.2255965	0.2595015		15.0	20
cis-1,2-Dichloroethene	A	100.0	114.6	0.2774913	0.3180356		14.6	20
trans-1,2-Dichloroethene	A	100.0	114.8	0.2597497	0.2981239		14.8	20
1,2-Dichloropropane	A	100.0	119.8	0.2331725	0.2793352		19.8	20
1,3-Dichloropropane	A	100.0	103.0	0.9185418	0.946326		3.0	20
2,2-Dichloropropane	A	100.0	110.0	0.2659142	0.2924551		10.0	20
1,1-Dichloropropene	A	100.0	113.4	0.2914419	0.3305283		13.4	20
cis-1,3-Dichloropropene	A	100.0	113.5	0.3482888	0.3951997		13.5	20
trans-1,3-Dichloropropene	A	100.0	108.9	0.7769797	0.8459764		8.9	20
Ethylbenzene	A	100.0	103.3	2.383883	2.463538		3.3	20
Hexachlorobutadiene	A	100.0	84.83	0.2603432	0.2208518		-15.2	20
2-Hexanone	A	200.0	241.1	0.3551468	0.4280669		20.5	20 *
Isopropylbenzene	A	100.0	95.40	1.917265	1.829045		-4.6	20
p-Isopropyltoluene	A	100.0	97.45	1.255108	1.223074		-2.6	20
Methylene chloride	A	100.0	114.5	0.2879524	0.3296967		14.5	20
Naphthalene	A	100.0	92.75	1.417306	1.314533		-7.3	20
4-Methyl-2-pentanone	A	200.0	241.9	0.2009551	0.2430702		21.0	20 *
Methyl t-Butyl Ether	A	100.0	109.4	0.596171	0.6521922		9.4	20
n-Propylbenzene	A	100.0	96.50	2.001293	1.931163		-3.5	20
Styrene	A	100.0	101.4	1.638556	1.661894		1.4	20
1,1,2,2-Tetrachloroethane	A	100.0	99.17	0.6466982	0.6413565	0.3	-0.8	20
1,1,1,2-Tetrachloroethane	A	100.0	106.2	0.6133557	0.6517516		6.3	20
Tetrachloroethene	A	100.0	102.3	0.7309561	0.7479539		2.3	20
Toluene	A	100.0	100.6	1.363325	1.371693		0.6	20
1,2,3-Trichlorobenzene	A	100.0	84.64	0.6001166	0.5079196		-15.4	20
1,2,4-Trichlorobenzene	A	100.0	85.10	0.6583787	0.5602828		-14.9	20
1,1,2-Trichloroethane	A	100.0	101.6	0.5040212	0.5121538		1.6	20
1,1,1-Trichloroethane	A	100.0	114.0	0.3016893	0.3438154		14.0	20
Trichloroethene	A	100.0	111.5	0.238184	0.2656827		11.5	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1084001
Lab File ID:	0414CCV1.D	Calibration Date:	03/22/11 12:12
Sequence:	1D10504	Injection Date:	04/14/11
Lab Sample ID:	1D10504-CCV1	Injection Time:	12:34

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	115.3	0.339243	0.3910776		15.3	20
1,2,3-Trichloropropane	A	100.0	105.8	0.1954897	0.2068816		5.8	20
1,3,5-Trimethylbenzene	A	100.0	101.5	1.339339	1.359488		1.5	20
1,2,4-Trimethylbenzene	A	100.0	98.25	1.433776	1.408634		-1.8	20
Vinyl chloride	A	100.0	92.58	0.1940212	0.1796314		-7.4	20
m,p-Xylene	A	200.0	194.5	1.742223	1.694214		-2.8	20
o-Xylene	A	100.0	100.6	1.91167	1.923709		0.6	20
Bromofluorobenzene	A	30.00	31.82	0.9203766	0.976302		6.1	20
Dibromofluoromethane	A	30.00	32.74	0.3125949	0.3412071		9.2	20
1,2-Dichloroethane-d4	A	30.00	33.04	6.398003E-02	7.046305E-02		10.1	20
Toluene-d8	A	30.00	30.10	2.337958	2.346021		0.3	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1084001
Lab File ID:	0416CCV1.D	Calibration Date:	03/22/11 12:12
Sequence:	1D10914	Injection Date:	04/16/11
Lab Sample ID:	1D10914-CCV1	Injection Time:	11:07

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	214.5	7.581725E-02	8.131352E-02		7.2	20
Benzene	A	100.0	105.0	0.8598124	0.9030623		5.0	20
Bromobenzene	A	100.0	98.70	0.7031528	0.6940197		-1.3	20
Bromochloromethane	A	100.0	111.3	0.1571874	0.1749307		11.3	20
Bromodichloromethane	A	100.0	107.8	0.2975079	0.3206028		7.8	20
Bromoform	A	100.0	97.14	0.6079959	0.590594	0.1	-2.9	20
Bromomethane	A	100.0	49.34	0.1697082	8.373106E-02		-50.7	20 *
n-Butylbenzene	A	100.0	99.28	1.150237	1.141942		-0.7	20
2-Butanone	A	200.0	202.8	0.1038089	0.1052477		1.4	20
sec-Butylbenzene	A	100.0	98.68	1.609253	1.587943		-1.3	20
tert-Butylbenzene	A	100.0	100.4	1.130788	1.134829		0.4	20
Carbon disulfide	A	100.0	111.3	0.7726197	0.8596353		11.3	20
Carbon tetrachloride	A	100.0	109.1	0.2679136	0.2922628		9.1	20
Chlorobenzene	A	100.0	99.41	1.626743	1.617099	0.3	-0.6	20
Chloroethane	A	100.0	111.0	0.136575	0.1515681		11.0	20
Chloroform	A	100.0	111.3	0.4102609	0.4565302		11.3	20
Chloromethane	A	100.0	76.80	0.2276648	0.1748528	0.1	-23.2	20 *
2-Chlorotoluene	A	100.0	93.68	1.343142	1.258263		-6.3	20
4-Chlorotoluene	A	100.0	102.0	1.357899	1.38461		2.0	20
Dibromochloromethane	A	100.0	101.2	0.7343881	0.743461		1.2	20
1,2-Dibromo-3-chloropropane	A	100.0	89.05	0.1573495	0.1401169		-11.0	20
1,2-Dibromoethane (EDB)	A	100.0	96.86	0.6906692	0.6689693		-3.1	20
Dibromomethane	A	100.0	105.6	0.1768221	0.1868236		5.7	20
1,2-Dichlorobenzene	A	100.0	98.82	1.056748	1.044232		-1.2	20
1,3-Dichlorobenzene	A	100.0	98.76	1.094328	1.080803		-1.2	20
1,4-Dichlorobenzene	A	100.0	100.9	1.157104	1.168007		0.9	20
Dichlorodifluoromethane	L	100.0	103.1	0.224461	0.2433479		3.1	20
1,1-Dichloroethane	A	100.0	111.3	0.4233929	0.4712114	0.1	11.3	20
1,2-Dichloroethane	A	100.0	111.7	0.2732127	0.3052093		11.7	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1084001
Lab File ID:	0416CCV1.D	Calibration Date:	03/22/11 12:12
Sequence:	1D10914	Injection Date:	04/16/11
Lab Sample ID:	1D10914-CCV1	Injection Time:	11:07

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	107.9	0.2255965	0.2434474		7.9	20
cis-1,2-Dichloroethene	A	100.0	110.3	0.2774913	0.306145		10.3	20
trans-1,2-Dichloroethene	A	100.0	105.3	0.2597497	0.2736051		5.3	20
1,2-Dichloropropane	A	100.0	111.2	0.2331725	0.2591969		11.2	20
1,3-Dichloropropane	A	100.0	93.06	0.9185418	0.8548261		-6.9	20
2,2-Dichloropropane	A	100.0	121.8	0.2659142	0.3237715		21.8	20 *
1,1-Dichloropropene	A	100.0	108.6	0.2914419	0.316579		8.6	20
cis-1,3-Dichloropropene	A	100.0	118.9	0.3482888	0.4142364		18.9	20
trans-1,3-Dichloropropene	A	100.0	106.4	0.7769797	0.8267579		6.4	20
Ethylbenzene	A	100.0	97.68	2.383883	2.328498		-2.3	20
Hexachlorobutadiene	A	100.0	87.55	0.2603432	0.2279288		-12.5	20
2-Hexanone	A	200.0	220.3	0.3551468	0.3911674		10.1	20
Isopropylbenzene	A	100.0	94.51	1.917265	1.812016		-5.5	20
p-Isopropyltoluene	A	100.0	97.21	1.255108	1.220064		-2.8	20
Methylene chloride	A	100.0	108.5	0.2879524	0.3123486		8.5	20
Naphthalene	A	100.0	92.12	1.417306	1.305694		-7.9	20
4-Methyl-2-pentanone	A	200.0	228.6	0.2009551	0.2297469		14.3	20
Methyl t-Butyl Ether	A	100.0	97.26	0.596171	0.5798461		-2.7	20
n-Propylbenzene	A	100.0	104.2	2.001293	2.085325		4.2	20
Styrene	A	100.0	101.5	1.638556	1.663803		1.5	20
1,1,2,2-Tetrachloroethane	A	100.0	94.31	0.6466982	0.6098913	0.3	-5.7	20
1,1,1,2-Tetrachloroethane	A	100.0	100.6	0.6133557	0.6170223		0.6	20
Tetrachloroethene	A	100.0	98.20	0.7309561	0.7178325		-1.8	20
Toluene	A	100.0	99.80	1.363325	1.360607		-0.2	20
1,2,3-Trichlorobenzene	A	100.0	86.58	0.6001166	0.5195697		-13.4	20
1,2,4-Trichlorobenzene	A	100.0	90.36	0.6583787	0.5949479		-9.6	20
1,1,2-Trichloroethane	A	100.0	93.67	0.5040212	0.4721036		-6.3	20
1,1,1-Trichloroethane	A	100.0	110.6	0.3016893	0.3335308		10.6	20
Trichloroethene	A	100.0	107.8	0.238184	0.2567543		7.8	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1084001
Lab File ID:	0416CCV1.D	Calibration Date:	03/22/11 12:12
Sequence:	1D10914	Injection Date:	04/16/11
Lab Sample ID:	1D10914-CCV1	Injection Time:	11:07

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	110.2	0.339243	0.3737781		10.2	20
1,2,3-Trichloropropane	A	100.0	87.82	0.1954897	0.1716701		-12.2	20
1,3,5-Trimethylbenzene	A	100.0	104.1	1.339339	1.393987		4.1	20
1,2,4-Trimethylbenzene	A	100.0	99.31	1.433776	1.423894		-0.7	20
Vinyl chloride	A	100.0	85.50	0.1940212	0.1658869		-14.5	20
m,p-Xylene	A	200.0	189.2	1.742223	1.648273		-5.4	20
o-Xylene	A	100.0	93.81	1.91167	1.793283		-6.2	20
Bromofluorobenzene	A	30.00	30.58	0.9203766	0.9382964		1.9	20
Dibromofluoromethane	A	30.00	32.11	0.3125949	0.3345635		7.0	20
1,2-Dichloroethane-d4	A	30.00	30.39	6.398003E-02	6.480844E-02		1.3	20
Toluene-d8	A	30.00	29.10	2.337958	2.268159		-3.0	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 1D06007-BLK1 File ID: 0406BL1.D

Sampled: Prepared: Analyzed: 04/06/11 10:43

Solids: Preparation: 5030B Dilution:

Batch: 1D06007 Sequence: 1D09704 Calibration: 1078001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	Q, U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	Q, U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	X, U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 1D06007-BLK1 File ID: 0406BL1.D

Sampled: Prepared: Analyzed: 04/06/11 10:43

Solids: Preparation: 5030B Dilution:

Batch: 1D06007 Sequence: 1D09704 Calibration: 1078001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	Q, U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	Q, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.16	104	75 - 120	
Dibromofluoromethane	30.00	32.74	109	85 - 115	
1,2-Dichloroethane-d4	30.00	30.63	102	70 - 120	
Toluene-d8	30.00	30.26	101	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 1D06007-BS1 File ID: 0406LS1.D

Sampled: Prepared: Analyzed: 04/06/11 08:45

Solids: Preparation: 5030B Dilution:

Batch: 1D06007 Sequence: 1D09704 Calibration: 1078001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	93.8	2.50	5.00	10.0	
71-43-2	Benzene	54.3	0.250	0.500	1.00	
108-86-1	Bromobenzene	51.7	0.250	0.500	1.00	
74-97-5	Bromochloromethane	52.3	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	55.2	0.250	0.500	1.00	
75-25-2	Bromoform	55.4	0.250	0.500	1.00	
74-83-9	Bromomethane	41.4	0.500	1.00	2.00	Y
104-51-8	n-Butylbenzene	54.9	0.250	0.500	1.00	
78-93-3	2-Butanone	93.2	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	50.9	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	49.2	0.250	0.500	1.00	
75-15-0	Carbon disulfide	54.8	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	49.3	0.250	0.500	1.00	
108-90-7	Chlorobenzene	52.0	0.250	0.500	1.00	
75-00-3	Chloroethane	47.3	0.500	1.00	2.00	
67-66-3	Chloroform	49.5	0.250	0.500	1.00	
74-87-3	Chloromethane	57.7	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	53.1	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	53.4	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	57.0	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	48.7	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	56.1	0.250	0.500	1.00	
74-95-3	Dibromomethane	54.5	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	55.0	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	50.0	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	49.8	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	70.4	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	51.8	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	49.8	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	58.7	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	53.5	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	52.7	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	48.9	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	51.3	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	51.1	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	54.4	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	50.2	0.250	0.500	1.00	X
10061-02-6	trans-1,3-Dichloropropene	57.2	0.250	0.500	1.00	
100-41-4	Ethylbenzene	55.6	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	48.8	0.250	0.500	1.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 1D06007-BS1 File ID: 0406LS1.D

Sampled: Prepared: Analyzed: 04/06/11 08:45

Solids: Preparation: 5030B Dilution:

Batch: 1D06007 Sequence: 1D09704 Calibration: 1078001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	103	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	59.2	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	53.9	0.250	0.500	1.00	
75-09-2	Methylene chloride	49.6	0.500	1.00	2.00	
91-20-3	Naphthalene	52.6	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	105	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	51.5	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	52.9	0.250	0.500	1.00	
100-42-5	Styrene	55.3	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	51.8	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	52.4	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	54.4	0.250	0.500	1.00	
108-88-3	Toluene	54.2	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	58.6	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	55.5	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	53.4	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	49.1	0.250	0.500	1.00	
79-01-6	Trichloroethene	53.9	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	46.6	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	53.5	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	51.9	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	54.9	0.250	0.500	1.00	
75-01-4	Vinyl chloride	50.6	0.250	0.500	1.00	
108-38-3/106-42-	m,p-Xylene	111	0.500	1.00	2.00	
95-47-6	o-Xylene	55.4	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.77	103	75 - 120	
Dibromofluoromethane	30.00	29.14	97.1	85 - 115	
1,2-Dichloroethane-d4	30.00	28.80	96.0	70 - 120	
Toluene-d8	30.00	29.95	99.8	85 - 120	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 1D06007-BSD1 File ID: 0406LD1.D

Sampled: Prepared: Analyzed: 04/06/11 15:46

Solids: Preparation: 5030B Dilution:

Batch: 1D06007 Sequence: 1D09704 Calibration: 1078001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	93.6	2.50	5.00	10.0	
71-43-2	Benzene	57.5	0.250	0.500	1.00	
108-86-1	Bromobenzene	54.2	0.250	0.500	1.00	
74-97-5	Bromochloromethane	57.1	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	58.2	0.250	0.500	1.00	
75-25-2	Bromoform	58.3	0.250	0.500	1.00	
74-83-9	Bromomethane	36.9	0.500	1.00	2.00	Y
104-51-8	n-Butylbenzene	55.1	0.250	0.500	1.00	
78-93-3	2-Butanone	84.9	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	52.0	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	51.3	0.250	0.500	1.00	
75-15-0	Carbon disulfide	55.2	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	52.7	0.250	0.500	1.00	
108-90-7	Chlorobenzene	57.3	0.250	0.500	1.00	
75-00-3	Chloroethane	47.8	0.500	1.00	2.00	
67-66-3	Chloroform	53.6	0.250	0.500	1.00	
74-87-3	Chloromethane	54.5	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	54.4	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	57.2	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	61.6	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	51.6	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	55.2	0.250	0.500	1.00	
74-95-3	Dibromomethane	58.8	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	57.8	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	51.5	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	52.1	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	67.5	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	54.9	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	56.3	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	59.1	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	56.3	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	53.6	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	51.1	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	55.5	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	50.8	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	56.5	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	54.8	0.250	0.500	1.00	X
10061-02-6	trans-1,3-Dichloropropene	59.9	0.250	0.500	1.00	
100-41-4	Ethylbenzene	58.0	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	47.2	0.250	0.500	1.00	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 1D06007-BSD1 File ID: 0406LD1.D

Sampled: Prepared: Analyzed: 04/06/11 15:46

Solids: Preparation: 5030B Dilution:

Batch: 1D06007 Sequence: 1D09704 Calibration: 1078001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	96.9	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	59.2	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	55.0	0.250	0.500	1.00	
75-09-2	Methylene chloride	57.3	0.500	1.00	2.00	
91-20-3	Naphthalene	54.5	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	97.4	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	53.4	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	56.8	0.250	0.500	1.00	
100-42-5	Styrene	58.0	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	56.3	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	56.5	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	53.5	0.250	0.500	1.00	
108-88-3	Toluene	56.6	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	57.5	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	53.4	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	57.9	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	53.6	0.250	0.500	1.00	
79-01-6	Trichloroethene	53.8	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	53.7	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	57.6	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	57.4	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	58.1	0.250	0.500	1.00	
75-01-4	Vinyl chloride	46.9	0.250	0.500	1.00	
108-38-3/106-42-	m,p-Xylene	117	0.500	1.00	2.00	
95-47-6	o-Xylene	59.5	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.57	98.6	75 - 120	
Dibromofluoromethane	30.00	28.76	95.9	85 - 115	
1,2-Dichloroethane-d4	30.00	28.87	96.2	70 - 120	
Toluene-d8	30.00	28.61	95.4	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 1D07025-BLK1 File ID: 0407BL1.D

Sampled: Prepared: Analyzed: 04/07/11 16:38

Solids: Preparation: 5030B Dilution:

Batch: 1D07025 Sequence: 1D09804 Calibration: 1078001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	X, U
74-83-9	Bromomethane		0.500	1.00	2.00	Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 1D07025-BLK1 File ID: 0407BL1.D

Sampled: Prepared: Analyzed: 04/07/11 16:38

Solids: Preparation: 5030B Dilution:

Batch: 1D07025 Sequence: 1D09804 Calibration: 1078001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	X, U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.94	103	75 - 120	
Dibromofluoromethane	30.00	31.38	105	85 - 115	
1,2-Dichloroethane-d4	30.00	31.49	105	70 - 120	
Toluene-d8	30.00	30.32	101	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 1D07025-BS1 File ID: 0407LS1.D

Sampled: Prepared: Analyzed: 04/07/11 15:10

Solids: Preparation: 5030B Dilution:

Batch: 1D07025 Sequence: 1D09804 Calibration: 1078001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	109	2.50	5.00	10.0	
71-43-2	Benzene	54.7	0.250	0.500	1.00	
108-86-1	Bromobenzene	49.1	0.250	0.500	1.00	
74-97-5	Bromochloromethane	53.9	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	51.1	0.250	0.500	1.00	
75-25-2	Bromoform	57.3	0.250	0.500	1.00	X
74-83-9	Bromomethane	34.8	0.500	1.00	2.00	Y
104-51-8	n-Butylbenzene	44.8	0.250	0.500	1.00	
78-93-3	2-Butanone	103	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	43.7	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	43.3	0.250	0.500	1.00	
75-15-0	Carbon disulfide	51.6	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	44.2	0.250	0.500	1.00	
108-90-7	Chlorobenzene	50.2	0.250	0.500	1.00	
75-00-3	Chloroethane	40.6	0.500	1.00	2.00	
67-66-3	Chloroform	48.9	0.250	0.500	1.00	
74-87-3	Chloromethane	43.0	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	44.8	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	46.1	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	56.5	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	48.3	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	55.4	0.250	0.500	1.00	
74-95-3	Dibromomethane	53.4	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	50.0	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	45.5	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	45.4	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	51.5	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	52.5	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	49.0	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	53.8	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	53.6	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	52.0	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	48.2	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	51.4	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	43.7	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	49.2	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	50.3	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	54.5	0.250	0.500	1.00	
100-41-4	Ethylbenzene	50.8	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	41.0	0.250	0.500	1.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 1D07025-BS1 File ID: 0407LS1.D

Sampled: Prepared: Analyzed: 04/07/11 15:10

Solids: Preparation: 5030B Dilution:

Batch: 1D07025 Sequence: 1D09804 Calibration: 1078001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	109	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	52.8	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	45.1	0.250	0.500	1.00	
75-09-2	Methylene chloride	55.4	0.500	1.00	2.00	
91-20-3	Naphthalene	50.2	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	110	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	54.2	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	45.9	0.250	0.500	1.00	
100-42-5	Styrene	51.6	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	52.0	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	51.2	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	49.0	0.250	0.500	1.00	
108-88-3	Toluene	50.9	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	52.3	0.250	0.500	1.00	X
120-82-1	1,2,4-Trichlorobenzene	48.7	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	54.0	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	44.2	0.250	0.500	1.00	
79-01-6	Trichloroethene	48.2	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	38.8	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	53.4	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	47.2	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	47.3	0.250	0.500	1.00	
75-01-4	Vinyl chloride	36.3	0.250	0.500	1.00	
108-38-3/106-42-	m,p-Xylene	99.8	0.500	1.00	2.00	
95-47-6	o-Xylene	50.2	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.43	98.1	75 - 120	
Dibromofluoromethane	30.00	29.18	97.3	85 - 115	
1,2-Dichloroethane-d4	30.00	31.74	106	70 - 120	
Toluene-d8	30.00	29.46	98.2	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 1D11011-BLK1 File ID: 0411BL1.D

Sampled: Prepared: Analyzed: 04/11/11 09:34

Solids: Preparation: 5030B Dilution:

Batch: 1D11011 Sequence: 1D10205 Calibration: 1084001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 1D11011-BLK1 File ID: 0411BL1.D

Sampled: Prepared: Analyzed: 04/11/11 09:34

Solids: Preparation: 5030B Dilution:

Batch: 1D11011 Sequence: 1D10205 Calibration: 1084001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	X, U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	Y, U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.35	104	75 - 120	
Dibromofluoromethane	30.00	31.86	106	85 - 115	
1,2-Dichloroethane-d4	30.00	32.71	109	70 - 120	
Toluene-d8	30.00	29.51	98.4	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 1D11011-BS1 File ID: 0411LCS1.D

Sampled: Prepared: Analyzed: 04/11/11 08:05

Solids: Preparation: 5030B Dilution:

Batch: 1D11011 Sequence: 1D10205 Calibration: 1084001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	104	2.50	5.00	10.0	
71-43-2	Benzene	54.6	0.250	0.500	1.00	
108-86-1	Bromobenzene	53.0	0.250	0.500	1.00	
74-97-5	Bromochloromethane	54.9	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	55.8	0.250	0.500	1.00	
75-25-2	Bromoform	54.5	0.250	0.500	1.00	
74-83-9	Bromomethane	57.3	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	53.4	0.250	0.500	1.00	
78-93-3	2-Butanone	123	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	52.9	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	54.3	0.250	0.500	1.00	
75-15-0	Carbon disulfide	54.9	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	54.2	0.250	0.500	1.00	
108-90-7	Chlorobenzene	55.9	0.250	0.500	1.00	
75-00-3	Chloroethane	53.6	0.500	1.00	2.00	
67-66-3	Chloroform	54.6	0.250	0.500	1.00	
74-87-3	Chloromethane	56.5	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	52.6	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	54.1	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	55.3	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	50.2	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	54.3	0.250	0.500	1.00	
74-95-3	Dibromomethane	50.7	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	53.7	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	50.0	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	55.6	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	57.6	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	54.9	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	53.6	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	57.7	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	54.2	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	56.0	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	53.1	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	51.5	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	60.2	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	54.8	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	54.1	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	56.8	0.250	0.500	1.00	
100-41-4	Ethylbenzene	56.4	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	55.3	0.250	0.500	1.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 1D11011-BS1 File ID: 0411LCS1.D

Sampled: Prepared: Analyzed: 04/11/11 08:05

Solids: Preparation: 5030B Dilution:

Batch: 1D11011 Sequence: 1D10205 Calibration: 1084001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	120	1.25	2.50	5.00	X
98-82-8	Isopropylbenzene	55.3	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	59.6	0.250	0.500	1.00	
75-09-2	Methylene chloride	55.4	0.500	1.00	2.00	
91-20-3	Naphthalene	50.2	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	120	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	53.7	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	55.8	0.250	0.500	1.00	
100-42-5	Styrene	55.2	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	50.8	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	55.0	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	54.5	0.250	0.500	1.00	
108-88-3	Toluene	57.2	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	48.3	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	48.9	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	50.6	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	50.7	0.250	0.500	1.00	
79-01-6	Trichloroethene	55.2	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	55.6	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	52.5	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	54.4	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	55.2	0.250	0.500	1.00	
75-01-4	Vinyl chloride	48.0	0.250	0.500	1.00	Y
108-38-3/106-42-	m,p-Xylene	111	0.500	1.00	2.00	
95-47-6	o-Xylene	54.8	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.90	103	75 - 120	
Dibromofluoromethane	30.00	31.24	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.43	101	70 - 120	
Toluene-d8	30.00	30.58	102	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 1D14014-BLK1 File ID: 0414BL1.D

Sampled: Prepared: Analyzed: 04/14/11 14:33

Solids: Preparation: 5030B Dilution:

Batch: 1D14014 Sequence: 1D10504 Calibration: 1084001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	X, U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 1D14014-BLK1 File ID: 0414BL1.D

Sampled: Prepared: Analyzed: 04/14/11 14:33

Solids: Preparation: 5030B Dilution:

Batch: 1D14014 Sequence: 1D10504 Calibration: 1084001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	X, U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.82	103	75 - 120	
Dibromofluoromethane	30.00	30.82	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.91	103	70 - 120	
Toluene-d8	30.00	27.90	93.0	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 1D14014-BS1 File ID: 0414LCS1.D

Sampled: Prepared: Analyzed: 04/14/11 13:04

Solids: Preparation: 5030B Dilution:

Batch: 1D14014 Sequence: 1D10504 Calibration: 1084001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	104	2.50	5.00	10.0	
71-43-2	Benzene	53.1	0.250	0.500	1.00	
108-86-1	Bromobenzene	50.3	0.250	0.500	1.00	
74-97-5	Bromochloromethane	52.5	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	54.1	0.250	0.500	1.00	
75-25-2	Bromoform	51.2	0.250	0.500	1.00	
74-83-9	Bromomethane	36.1	0.500	1.00	2.00	Y
104-51-8	n-Butylbenzene	50.5	0.250	0.500	1.00	
78-93-3	2-Butanone	95.3	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	50.6	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	50.6	0.250	0.500	1.00	
75-15-0	Carbon disulfide	55.6	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	52.7	0.250	0.500	1.00	
108-90-7	Chlorobenzene	52.0	0.250	0.500	1.00	
75-00-3	Chloroethane	54.2	0.500	1.00	2.00	X
67-66-3	Chloroform	51.9	0.250	0.500	1.00	
74-87-3	Chloromethane	47.1	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	51.7	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	55.2	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	54.1	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	47.9	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	50.1	0.250	0.500	1.00	
74-95-3	Dibromomethane	52.3	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	50.9	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	56.2	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	45.5	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	51.8	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	52.6	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	52.6	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	54.7	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	51.2	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	52.7	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	54.0	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	49.6	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	47.2	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	55.0	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	50.3	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	54.9	0.250	0.500	1.00	
100-41-4	Ethylbenzene	51.3	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	48.3	0.250	0.500	1.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 1D14014-BS1 File ID: 0414LCS1.D

Sampled: Prepared: Analyzed: 04/14/11 13:04

Solids: Preparation: 5030B Dilution:

Batch: 1D14014 Sequence: 1D10504 Calibration: 1084001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	119	1.25	2.50	5.00	X
98-82-8	Isopropylbenzene	51.8	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	52.4	0.250	0.500	1.00	
75-09-2	Methylene chloride	53.1	0.500	1.00	2.00	
91-20-3	Naphthalene	45.8	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	114	1.25	2.50	5.00	X
1634-04-4	Methyl t-Butyl Ether	49.3	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	52.3	0.250	0.500	1.00	
100-42-5	Styrene	54.1	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	49.2	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	51.8	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	49.6	0.250	0.500	1.00	
108-88-3	Toluene	52.1	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	45.4	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	45.2	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	49.3	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	49.0	0.250	0.500	1.00	
79-01-6	Trichloroethene	51.7	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	53.7	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	46.1	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	53.3	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	52.3	0.250	0.500	1.00	
75-01-4	Vinyl chloride	50.1	0.250	0.500	1.00	
108-38-3/106-42-	m,p-Xylene	104	0.500	1.00	2.00	
95-47-6	o-Xylene	51.3	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	32.07	107	75 - 120	
Dibromofluoromethane	30.00	31.12	104	85 - 115	
1,2-Dichloroethane-d4	30.00	29.66	98.9	70 - 120	
Toluene-d8	30.00	30.36	101	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 1D16007-BLK1 File ID: 0416BL1.D

Sampled: Prepared: Analyzed: 04/16/11 13:18

Solids: Preparation: 5030B Dilution:

Batch: 1D16007 Sequence: 1D10914 Calibration: 1084001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	Q, U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	Q, Y, U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	X, U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene	0.501	0.250	0.500	1.00	J

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 1D16007-BLK1 File ID: 0416BL1.D

Sampled: Prepared: Analyzed: 04/16/11 13:18

Solids: Preparation: 5030B Dilution:

Batch: 1D16007 Sequence: 1D10914 Calibration: 1084001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.03	103	75 - 120	
Dibromofluoromethane	30.00	32.34	108	85 - 115	
1,2-Dichloroethane-d4	30.00	31.76	106	70 - 120	
Toluene-d8	30.00	29.07	96.9	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 1D16007-BS1 File ID: 0416LCS1.D

Sampled: Prepared: Analyzed: 04/16/11 11:50

Solids: Preparation: 5030B Dilution:

Batch: 1D16007 Sequence: 1D10914 Calibration: 1084001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	92.6	2.50	5.00	10.0	
71-43-2	Benzene	53.1	0.250	0.500	1.00	
108-86-1	Bromobenzene	50.1	0.250	0.500	1.00	
74-97-5	Bromochloromethane	54.1	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	55.6	0.250	0.500	1.00	
75-25-2	Bromoform	49.1	0.250	0.500	1.00	
74-83-9	Bromomethane	22.3	0.500	1.00	2.00	Y
104-51-8	n-Butylbenzene	50.9	0.250	0.500	1.00	
78-93-3	2-Butanone	104	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	50.2	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	49.7	0.250	0.500	1.00	
75-15-0	Carbon disulfide	55.7	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	49.7	0.250	0.500	1.00	
108-90-7	Chlorobenzene	52.5	0.250	0.500	1.00	
75-00-3	Chloroethane	73.2	0.500	1.00	2.00	
67-66-3	Chloroform	52.6	0.250	0.500	1.00	
74-87-3	Chloromethane	38.5	0.250	0.500	1.00	Y
95-49-8	2-Chlorotoluene	48.4	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	50.7	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	55.5	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	44.9	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	50.6	0.250	0.500	1.00	
74-95-3	Dibromomethane	52.3	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	49.3	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	49.9	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	53.0	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	52.1	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	53.0	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	54.2	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	55.6	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	52.3	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	52.7	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	51.9	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	50.7	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	54.8	0.250	0.500	1.00	X
563-58-6	1,1-Dichloropropene	49.7	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	54.5	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	55.6	0.250	0.500	1.00	
100-41-4	Ethylbenzene	52.0	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	49.0	0.250	0.500	1.00	B

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 1D16007-BS1 File ID: 0416LCS1.D

Sampled: Prepared: Analyzed: 04/16/11 11:50

Solids: Preparation: 5030B Dilution:

Batch: 1D16007 Sequence: 1D10914 Calibration: 1084001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	100	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	52.5	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	53.8	0.250	0.500	1.00	
75-09-2	Methylene chloride	54.7	0.500	1.00	2.00	
91-20-3	Naphthalene	47.7	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	105	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	48.3	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	49.8	0.250	0.500	1.00	
100-42-5	Styrene	52.1	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	47.9	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	51.3	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	49.1	0.250	0.500	1.00	
108-88-3	Toluene	53.5	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	47.0	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	44.4	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	47.8	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	49.2	0.250	0.500	1.00	
79-01-6	Trichloroethene	53.1	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	53.6	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	51.4	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	49.8	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	51.1	0.250	0.500	1.00	
75-01-4	Vinyl chloride	46.7	0.250	0.500	1.00	
108-38-3/106-42-	m,p-Xylene	104	0.500	1.00	2.00	
95-47-6	o-Xylene	49.9	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.56	105	75 - 120	
Dibromofluoromethane	30.00	30.94	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.17	101	70 - 120	
Toluene-d8	30.00	31.19	104	85 - 120	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 1D16007-BSD1 File ID: 0416LCD1.D

Sampled: Prepared: Analyzed: 04/16/11 22:12

Solids: Preparation: 5030B Dilution:

Batch: 1D16007 Sequence: 1D10914 Calibration: 1084001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	96.6	2.50	5.00	10.0	
71-43-2	Benzene	54.8	0.250	0.500	1.00	
108-86-1	Bromobenzene	48.0	0.250	0.500	1.00	
74-97-5	Bromochloromethane	55.8	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	57.7	0.250	0.500	1.00	
75-25-2	Bromoform	46.5	0.250	0.500	1.00	
74-83-9	Bromomethane	27.3	0.500	1.00	2.00	Y
104-51-8	n-Butylbenzene	48.1	0.250	0.500	1.00	
78-93-3	2-Butanone	96.2	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	49.4	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	49.7	0.250	0.500	1.00	
75-15-0	Carbon disulfide	54.9	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	55.0	0.250	0.500	1.00	
108-90-7	Chlorobenzene	52.4	0.250	0.500	1.00	
75-00-3	Chloroethane	55.9	0.500	1.00	2.00	
67-66-3	Chloroform	56.0	0.250	0.500	1.00	
74-87-3	Chloromethane	52.2	0.250	0.500	1.00	Y
95-49-8	2-Chlorotoluene	50.4	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	48.8	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	52.0	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	42.5	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	50.3	0.250	0.500	1.00	
74-95-3	Dibromomethane	54.3	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	49.0	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	47.9	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	46.2	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	61.2	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	56.4	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	56.8	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	58.6	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	55.4	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	56.2	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	54.7	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	52.1	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	49.5	0.250	0.500	1.00	X
563-58-6	1,1-Dichloropropene	55.2	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	52.7	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	57.3	0.250	0.500	1.00	
100-41-4	Ethylbenzene	53.4	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	40.7	0.250	0.500	1.00	B

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 1D16007-BSD1 File ID: 0416LCD1.D

Sampled: Prepared: Analyzed: 04/16/11 22:12

Solids: Preparation: 5030B Dilution:

Batch: 1D16007 Sequence: 1D10914 Calibration: 1084001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	100	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	52.1	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	50.8	0.250	0.500	1.00	
75-09-2	Methylene chloride	56.0	0.500	1.00	2.00	
91-20-3	Naphthalene	41.4	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	102	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	47.5	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	49.6	0.250	0.500	1.00	
100-42-5	Styrene	50.1	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	45.7	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	51.9	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	47.8	0.250	0.500	1.00	
108-88-3	Toluene	53.0	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	39.9	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	42.1	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	50.9	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	54.7	0.250	0.500	1.00	
79-01-6	Trichloroethene	53.1	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	59.7	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	47.9	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	51.1	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	51.5	0.250	0.500	1.00	
75-01-4	Vinyl chloride	56.8	0.250	0.500	1.00	
108-38-3/106-42-	m,p-Xylene	98.6	0.500	1.00	2.00	
95-47-6	o-Xylene	49.2	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.92	103	75 - 120	
Dibromofluoromethane	30.00	31.70	106	85 - 115	
1,2-Dichloroethane-d4	30.00	30.59	102	70 - 120	
Toluene-d8	30.00	29.27	97.6	85 - 120	

HOLDING TIME SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GW0047	04/04/11 10:01	04/05/11 08:30	04/06/11 00:00	N/A	14.00	04/06/11 13:15	2.09	14.00	
GW0069	04/04/11 13:52	04/05/11 08:30	04/06/11 00:00	N/A	14.00	04/06/11 13:45	1.95	14.00	
GW8022-TB	04/04/11 08:00	04/05/11 08:30	04/07/11 00:00	N/A	14.00	04/07/11 17:09	3.34	14.00	
GW0040	04/06/11 13:40	04/07/11 08:30	04/11/11 00:00	N/A	14.00	04/11/11 11:24	4.91	14.00	
GW8024-TB	04/06/11 01:15	04/07/11 08:30	04/11/11 00:00	N/A	14.00	04/11/11 10:24	5.38	14.00	
GW0057	04/07/11 11:50	04/08/11 08:45	04/14/11 00:00	N/A	14.00	04/14/11 18:01	7.26	14.00	
GW0071	04/07/11 14:54	04/08/11 08:45	04/16/11 00:00	N/A	14.00	04/16/11 15:17	9.02	14.00	
GW8025-TB	04/07/11 08:00	04/08/11 08:45	04/16/11 00:00	N/A	14.00	04/16/11 13:48	9.24	14.00	
GW8011-AB	04/07/11 11:50	04/08/11 08:45	04/14/11 00:00	N/A	14.00	04/14/11 15:32	7.11	14.00	

Data for SW8270C Forms

ANALYSIS DATA SHEET

GW0047

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1104024-01	File ID:	0402401.D
Sampled:	04/04/11 10:01	Prepared:	04/05/11 17:15	Analyzed:	04/11/11 22:08
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1D05010 Sequence: 1D10213 Calibration: 1032006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	U
83-32-9	Acenaphthene		1.18	2.36	4.72	U
208-96-8	Acenaphthylene		1.18	2.36	4.72	U
98-86-2	Acetophenone		1.18	2.36	4.72	U
120-12-7	Anthracene		1.18	2.36	4.72	U
1912-24-9	Atrazine		1.18	2.36	4.72	U
100-52-7	Benzaldehyde		1.18	2.36	4.72	Y, U
92-87-5	Benzidine		11.8	23.6	47.2	U
56-55-3	Benzo(a)anthracene		1.18	2.36	4.72	U
50-32-8	Benzo(a)pyrene		1.18	2.36	4.72	Q, U
205-99-2	Benzo(b)fluoranthene		1.18	2.36	4.72	Q, X, U
191-24-2	Benzo(g,h,i)perylene		1.18	2.36	4.72	Q, U
65-85-0	Benzoic acid		11.8	23.6	47.2	U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	Q, X, U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	U
105-60-2	Caprolactam		1.18	2.36	4.72	Q, U
86-74-8	Carbazole		1.18	2.36	4.72	X, U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	X, U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	Q, U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	X, U
51-28-5	2,4-Dinitrophenol		11.8	23.6	47.2	X, U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	Q, X, U

ANALYSIS DATA SHEET

GW0047

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1104024-01	File ID:	0402401.D
Sampled:	04/04/11 10:01	Prepared:	04/05/11 17:15	Analyzed:	04/11/11 22:08
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1D05010 Sequence: 1D10213 Calibration: 1032006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.18	2.36	4.72	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.18	2.36	4.72	U
206-44-0	Fluoranthene		1.18	2.36	4.72	U
86-73-7	Fluorene		1.18	2.36	4.72	U
118-74-1	Hexachlorobenzene		1.18	2.36	4.72	U
87-68-3	Hexachlorobutadiene		1.18	2.36	4.72	U
77-47-4	Hexachlorocyclopentadiene		1.18	2.36	4.72	U
67-72-1	Hexachloroethane		1.18	2.36	4.72	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	Q, U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	U
95-48-7	2-Methylphenol		1.18	2.36	4.72	U
106-44-5	3+4-Methylphenol		1.18	2.36	4.72	U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	Q, X, U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	Q, X, U
98-95-3	Nitrobenzene		1.18	2.36	4.72	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	U
86-30-6	N-Nitrosodiphenylamine		1.18	2.36	4.72	U
621-64-7	N-Nitroso-di-n-propylamine		1.18	2.36	4.72	U
87-86-5	Pentachlorophenol		4.72	9.43	18.9	U
85-01-8	Phenanthrene		1.18	2.36	4.72	U
108-95-2	Phenol		1.18	2.36	4.72	U
129-00-0	Pyrene		1.18	2.36	4.72	U
88-06-2	2,4,6-Trichlorophenol		1.18	2.36	4.72	U
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	43.91	93.1	50 - 110	
2-Fluorophenol	94.34	26.80	28.4	20 - 110	
Nitrobenzene-d5	47.17	46.74	99.1	40 - 110	
Phenol-d6	94.34	13.98	14.8	10 - 110	
Terphenyl-d14	47.17	46.11	97.8	50 - 135	
2,4,6-Tribromophenol	94.34	97.58	103	40 - 125	

ANALYSIS DATA SHEET

GW0069

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1104024-03	File ID:	0402403.D
Sampled:	04/04/11 13:52	Prepared:	04/05/11 17:15	Analyzed:	04/11/11 22:36
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1D05010 Sequence: 1D10213 Calibration: 1032006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
91-94-1	3,3'-Dichlorobenzidine		1.20	2.40	4.81	U
83-32-9	Acenaphthene		1.20	2.40	4.81	U
208-96-8	Acenaphthylene		1.20	2.40	4.81	U
98-86-2	Acetophenone		1.20	2.40	4.81	U
120-12-7	Anthracene		1.20	2.40	4.81	U
1912-24-9	Atrazine		1.20	2.40	4.81	U
100-52-7	Benzaldehyde		1.20	2.40	4.81	Y, U
92-87-5	Benzidine		12.0	24.0	48.1	U
56-55-3	Benzo(a)anthracene		1.20	2.40	4.81	U
50-32-8	Benzo(a)pyrene		1.20	2.40	4.81	Q, U
205-99-2	Benzo(b)fluoranthene		1.20	2.40	4.81	Q, X, U
191-24-2	Benzo(g,h,i)perylene		1.20	2.40	4.81	Q, U
65-85-0	Benzoic acid		12.0	24.0	48.1	U
207-08-9	Benzo(k)fluoranthene		1.20	2.40	4.81	Q, X, U
92-52-4	1,1-Biphenyl		1.20	2.40	4.81	U
101-55-3	4-Bromophenyl-phenylether		1.20	2.40	4.81	U
85-68-7	Butylbenzylphthalate		1.20	2.40	4.81	U
105-60-2	Caprolactam		1.20	2.40	4.81	Q, U
86-74-8	Carbazole		1.20	2.40	4.81	X, U
59-50-7	4-Chloro-3-methylphenol		1.20	2.40	4.81	U
106-47-8	4-Chloroaniline		1.20	2.40	4.81	U
111-91-1	Bis(2-chloroethoxy)methane		1.20	2.40	4.81	U
111-44-4	Bis(2-chloroethyl)ether		1.20	2.40	4.81	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.20	2.40	4.81	U
91-58-7	2-Chloronaphthalene		1.20	2.40	4.81	X, U
95-57-8	2-Chlorophenol		1.20	2.40	4.81	U
7005-72-3	4-Chlorophenyl phenyl ether		1.20	2.40	4.81	U
218-01-9	Chrysene		1.20	2.40	4.81	U
53-70-3	Dibenz(a,h)anthracene		1.20	2.40	4.81	Q, U
132-64-9	Dibenzofuran		1.20	2.40	4.81	U
84-74-2	Di-n-butylphthalate		1.20	2.40	4.81	U
120-83-2	2,4-Dichlorophenol		1.20	2.40	4.81	U
84-66-2	Diethylphthalate		1.20	2.40	4.81	U
105-67-9	2,4-Dimethylphenol		4.81	9.62	19.2	U
131-11-3	Dimethyl phthalate		1.20	2.40	4.81	U
534-52-1	4,6-Dinitro-2-methylphenol		4.81	9.62	19.2	X, U
51-28-5	2,4-Dinitrophenol		12.0	24.0	48.1	X, U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	U
606-20-2	2,6-Dinitrotoluene		1.20	2.40	4.81	U
117-84-0	Di-n-octylphthalate		1.20	2.40	4.81	Q, X, U

ANALYSIS DATA SHEET

GW0069

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1104024-03	File ID:	0402403.D
Sampled:	04/04/11 13:52	Prepared:	04/05/11 17:15	Analyzed:	04/11/11 22:36
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1D05010 Sequence: 1D10213 Calibration: 1032006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.20	2.40	4.81	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.20	2.40	4.81	U
206-44-0	Fluoranthene		1.20	2.40	4.81	U
86-73-7	Fluorene		1.20	2.40	4.81	U
118-74-1	Hexachlorobenzene		1.20	2.40	4.81	U
87-68-3	Hexachlorobutadiene		1.20	2.40	4.81	U
77-47-4	Hexachlorocyclopentadiene		1.20	2.40	4.81	U
67-72-1	Hexachloroethane		1.20	2.40	4.81	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.20	2.40	4.81	Q, U
78-59-1	Isophorone		1.20	2.40	4.81	U
90-12-0	1-Methylnaphthalene		1.20	2.40	4.81	U
91-57-6	2-Methylnaphthalene		1.20	2.40	4.81	U
95-48-7	2-Methylphenol		1.20	2.40	4.81	U
106-44-5	3+4-Methylphenol		1.20	2.40	4.81	U
100-01-6	4-Nitroaniline		4.81	9.62	19.2	Q, X, U
99-09-2	3-Nitroaniline		4.81	9.62	19.2	U
88-74-4	2-Nitroaniline		4.81	9.62	19.2	X, Q, U
98-95-3	Nitrobenzene		1.20	2.40	4.81	U
100-02-7	4-Nitrophenol		4.81	9.62	19.2	U
88-75-5	2-Nitrophenol		1.20	2.40	4.81	U
86-30-6	N-Nitrosodiphenylamine		1.20	2.40	4.81	U
621-64-7	N-Nitroso-di-n-propylamine		1.20	2.40	4.81	U
87-86-5	Pentachlorophenol		4.81	9.62	19.2	U
85-01-8	Phenanthrene		1.20	2.40	4.81	U
108-95-2	Phenol		1.20	2.40	4.81	U
129-00-0	Pyrene		1.20	2.40	4.81	U
88-06-2	2,4,6-Trichlorophenol		1.20	2.40	4.81	U
95-95-4	2,4,5-Trichlorophenol		1.20	2.40	4.81	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	37.88	78.8	50 - 110	
2-Fluorophenol	96.15	30.53	31.7	20 - 110	
Nitrobenzene-d5	48.08	42.40	88.2	40 - 110	
Phenol-d6	96.15	16.46	17.1	10 - 110	
Terphenyl-d14	48.08	50.75	106	50 - 135	
2,4,6-Tribromophenol	96.15	91.96	95.6	40 - 125	

ANALYSIS DATA SHEET

GW0040

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1104061-01	File ID:	0406101.D
Sampled:	04/06/11 13:40	Prepared:	04/08/11 12:46	Analyzed:	04/11/11 23:33
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1D08005 Sequence: 1D10213 Calibration: 1032006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	U
83-32-9	Acenaphthene		1.18	2.36	4.72	U
208-96-8	Acenaphthylene		1.18	2.36	4.72	U
98-86-2	Acetophenone		1.18	2.36	4.72	U
120-12-7	Anthracene		1.18	2.36	4.72	U
1912-24-9	Atrazine		1.18	2.36	4.72	U
100-52-7	Benzaldehyde		1.18	2.36	4.72	Y, U
92-87-5	Benzidine		11.8	23.6	47.2	U
56-55-3	Benzo(a)anthracene		1.18	2.36	4.72	U
50-32-8	Benzo(a)pyrene		1.18	2.36	4.72	U
205-99-2	Benzo(b)fluoranthene		1.18	2.36	4.72	X, U
191-24-2	Benzo(g,h,i)perylene		1.18	2.36	4.72	U
65-85-0	Benzoic acid		11.8	23.6	47.2	U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	X, U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	U
105-60-2	Caprolactam		1.18	2.36	4.72	Q, U
86-74-8	Carbazole		1.18	2.36	4.72	X, U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	X, U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	X, U
51-28-5	2,4-Dinitrophenol		11.8	23.6	47.2	X, U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	X, Q, U

ANALYSIS DATA SHEET

GW0040

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1104061-01	File ID:	0406101.D
Sampled:	04/06/11 13:40	Prepared:	04/08/11 12:46	Analyzed:	04/11/11 23:33
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1D08005 Sequence: 1D10213 Calibration: 1032006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.18	2.36	4.72	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.18	2.36	4.72	U
206-44-0	Fluoranthene		1.18	2.36	4.72	U
86-73-7	Fluorene		1.18	2.36	4.72	U
118-74-1	Hexachlorobenzene		1.18	2.36	4.72	U
87-68-3	Hexachlorobutadiene		1.18	2.36	4.72	U
77-47-4	Hexachlorocyclopentadiene		1.18	2.36	4.72	U
67-72-1	Hexachloroethane		1.18	2.36	4.72	Q, U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	U
95-48-7	2-Methylphenol		1.18	2.36	4.72	U
106-44-5	3+4-Methylphenol		1.18	2.36	4.72	U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	Q, X, U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	X, U
98-95-3	Nitrobenzene		1.18	2.36	4.72	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	U
86-30-6	N-Nitrosodiphenylamine		1.18	2.36	4.72	U
621-64-7	N-Nitroso-di-n-propylamine		1.18	2.36	4.72	U
87-86-5	Pentachlorophenol		4.72	9.43	18.9	U
85-01-8	Phenanthrene		1.18	2.36	4.72	U
108-95-2	Phenol		1.18	2.36	4.72	U
129-00-0	Pyrene		1.18	2.36	4.72	U
88-06-2	2,4,6-Trichlorophenol		1.18	2.36	4.72	U
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	35.54	75.3	50 - 110	
2-Fluorophenol	94.34	24.63	26.1	20 - 110	
Nitrobenzene-d5	47.17	38.06	80.7	40 - 110	
Phenol-d6	94.34	13.52	14.3	10 - 110	
Terphenyl-d14	47.17	47.46	101	50 - 135	
2,4,6-Tribromophenol	94.34	89.31	94.7	40 - 125	

ANALYSIS DATA SHEET

GW0057

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1104086-01	File ID:	0408601.D
Sampled:	04/07/11 11:50	Prepared:	04/11/11 11:28	Analyzed:	04/13/11 20:35
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1D11005 Sequence: 1D10408 Calibration: 1032006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	Y, U
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	U
98-86-2	Acetophenone		1.23	2.45	4.90	U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	U
100-52-7	Benzaldehyde		1.23	2.45	4.90	Y, U
92-87-5	Benzidine		12.3	24.5	49.0	U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	Y, U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	U
105-60-2	Caprolactam		1.23	2.45	4.90	Q, U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	X, U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	U
218-01-9	Chrysene		1.23	2.45	4.90	U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	X, U
51-28-5	2,4-Dinitrophenol		12.3	24.5	49.0	U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW0057

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1104086-01	File ID:	0408601.D
Sampled:	04/07/11 11:50	Prepared:	04/11/11 11:28	Analyzed:	04/13/11 20:35
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1D11005 Sequence: 1D10408 Calibration: 1032006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.23	2.45	4.90	U
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	Q, U
77-47-4	Hexachlorocyclopentadiene		1.23	2.45	4.90	U
67-72-1	Hexachloroethane		1.23	2.45	4.90	Q, U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
106-44-5	3+4-Methylphenol		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	X, U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	34.83	71.1	50 - 110	
2-Fluorophenol	98.04	25.80	26.3	20 - 110	
Nitrobenzene-d5	49.02	39.79	81.2	40 - 110	
Phenol-d6	98.04	14.77	15.1	10 - 110	
Terphenyl-d14	49.02	48.40	98.7	50 - 135	
2,4,6-Tribromophenol	98.04	90.33	92.1	40 - 125	X

ANALYSIS DATA SHEET

GW0071

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1104086-03	File ID:	0408603.D
Sampled:	04/07/11 14:54	Prepared:	04/11/11 11:28	Analyzed:	04/13/11 21:03
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1D11005 Sequence: 1D10408 Calibration: 1032006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
91-94-1	3,3'-Dichlorobenzidine		1.20	2.40	4.81	Y, U
83-32-9	Acenaphthene		1.20	2.40	4.81	U
208-96-8	Acenaphthylene		1.20	2.40	4.81	U
98-86-2	Acetophenone		1.20	2.40	4.81	U
120-12-7	Anthracene		1.20	2.40	4.81	U
1912-24-9	Atrazine		1.20	2.40	4.81	U
100-52-7	Benzaldehyde		1.20	2.40	4.81	Y, U
92-87-5	Benzidine		12.0	24.0	48.1	U
56-55-3	Benzo(a)anthracene		1.20	2.40	4.81	U
50-32-8	Benzo(a)pyrene		1.20	2.40	4.81	U
205-99-2	Benzo(b)fluoranthene		1.20	2.40	4.81	U
191-24-2	Benzo(g,h,i)perylene		1.20	2.40	4.81	U
65-85-0	Benzoic acid		12.0	24.0	48.1	U
207-08-9	Benzo(k)fluoranthene		1.20	2.40	4.81	U
92-52-4	1,1-Biphenyl		1.20	2.40	4.81	Y, U
101-55-3	4-Bromophenyl-phenylether		1.20	2.40	4.81	U
85-68-7	Butylbenzylphthalate		1.20	2.40	4.81	U
105-60-2	Caprolactam		1.20	2.40	4.81	Q, U
86-74-8	Carbazole		1.20	2.40	4.81	U
59-50-7	4-Chloro-3-methylphenol		1.20	2.40	4.81	U
106-47-8	4-Chloroaniline		1.20	2.40	4.81	U
111-91-1	Bis(2-chloroethoxy)methane		1.20	2.40	4.81	U
111-44-4	Bis(2-chloroethyl)ether		1.20	2.40	4.81	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.20	2.40	4.81	U
91-58-7	2-Chloronaphthalene		1.20	2.40	4.81	X, U
95-57-8	2-Chlorophenol		1.20	2.40	4.81	U
7005-72-3	4-Chlorophenyl phenyl ether		1.20	2.40	4.81	U
218-01-9	Chrysene		1.20	2.40	4.81	U
53-70-3	Dibenz(a,h)anthracene		1.20	2.40	4.81	U
132-64-9	Dibenzofuran		1.20	2.40	4.81	U
84-74-2	Di-n-butylphthalate		1.20	2.40	4.81	U
120-83-2	2,4-Dichlorophenol		1.20	2.40	4.81	U
84-66-2	Diethylphthalate		1.20	2.40	4.81	U
105-67-9	2,4-Dimethylphenol		4.81	9.62	19.2	U
131-11-3	Dimethyl phthalate		1.20	2.40	4.81	U
534-52-1	4,6-Dinitro-2-methylphenol		4.81	9.62	19.2	X, U
51-28-5	2,4-Dinitrophenol		12.0	24.0	48.1	U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	U
606-20-2	2,6-Dinitrotoluene		1.20	2.40	4.81	U
117-84-0	Di-n-octylphthalate		1.20	2.40	4.81	U

ANALYSIS DATA SHEET

GW0071

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1104086-03	File ID:	0408603.D
Sampled:	04/07/11 14:54	Prepared:	04/11/11 11:28	Analyzed:	04/13/11 21:03
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1D11005 Sequence: 1D10408 Calibration: 1032006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.20	2.40	4.81	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.20	2.40	4.81	U
206-44-0	Fluoranthene		1.20	2.40	4.81	U
86-73-7	Fluorene		1.20	2.40	4.81	U
118-74-1	Hexachlorobenzene		1.20	2.40	4.81	U
87-68-3	Hexachlorobutadiene		1.20	2.40	4.81	Q, U
77-47-4	Hexachlorocyclopentadiene		1.20	2.40	4.81	U
67-72-1	Hexachloroethane		1.20	2.40	4.81	Q, U
193-39-5	Indeno(1,2,3-cd)pyrene		1.20	2.40	4.81	U
78-59-1	Isophorone		1.20	2.40	4.81	U
90-12-0	1-Methylnaphthalene		1.20	2.40	4.81	U
91-57-6	2-Methylnaphthalene		1.20	2.40	4.81	U
95-48-7	2-Methylphenol		1.20	2.40	4.81	U
106-44-5	3+4-Methylphenol		1.20	2.40	4.81	U
100-01-6	4-Nitroaniline		4.81	9.62	19.2	U
99-09-2	3-Nitroaniline		4.81	9.62	19.2	U
88-74-4	2-Nitroaniline		4.81	9.62	19.2	X, U
98-95-3	Nitrobenzene		1.20	2.40	4.81	U
100-02-7	4-Nitrophenol		4.81	9.62	19.2	U
88-75-5	2-Nitrophenol		1.20	2.40	4.81	U
86-30-6	N-Nitrosodiphenylamine		1.20	2.40	4.81	U
621-64-7	N-Nitroso-di-n-propylamine		1.20	2.40	4.81	U
87-86-5	Pentachlorophenol		4.81	9.62	19.2	U
85-01-8	Phenanthrene		1.20	2.40	4.81	U
108-95-2	Phenol		1.20	2.40	4.81	U
129-00-0	Pyrene		1.20	2.40	4.81	U
88-06-2	2,4,6-Trichlorophenol		1.20	2.40	4.81	U
95-95-4	2,4,5-Trichlorophenol		1.20	2.40	4.81	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	35.12	73.0	50 - 110	
2-Fluorophenol	96.15	26.03	27.1	20 - 110	
Nitrobenzene-d5	48.08	40.12	83.4	40 - 110	
Phenol-d6	96.15	15.32	15.9	10 - 110	
Terphenyl-d14	48.08	53.96	112	50 - 135	
2,4,6-Tribromophenol	96.15	83.75	87.1	40 - 125	X

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D10111	Instrument:	MS-BNA1
		Calibration:	1032006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1D10111-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 04/08/11 12:50		
2-Fluorobiphenyl	50.00	94.6	80 - 120	7.963	7.963	0.0000	+/-0.500	
2-Fluorophenol	100.0	106	80 - 120	3.683	3.683	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	114	80 - 120	5.809	5.809	0.0000	+/-0.500	
Phenol-d6	100.0	83.0	80 - 120	4.811	4.811	0.0000	+/-0.500	
Terphenyl-d14	50.00	86.9	80 - 120	12.474	12.474	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	113	80 - 120	9.693	9.693	0.0000	+/-0.500	
Blank (1D05010-BLK1) ug/L				Lab File ID: D05010B1.D		Analyzed: 04/08/11 14:19		
2-Fluorobiphenyl	50.00	86.7	50 - 110	7.959	7.963	-0.0040	+/-0.500	
2-Fluorophenol	100.0	32.2	20 - 110	3.684	3.683	0.0010	+/-0.500	
Nitrobenzene-d5	50.00	91.1	40 - 110	5.809	5.809	0.0000	+/-0.500	
Phenol-d6	100.0	17.2	10 - 110	4.801	4.811	-0.0100	+/-0.500	
Terphenyl-d14	50.00	103	50 - 135	12.472	12.474	-0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	93.8	40 - 125	9.686	9.693	-0.0070	+/-0.500	
LCS Dup (1D05010-BSD1) ug/L				Lab File ID: D05010L2.D		Analyzed: 04/08/11 16:15		
2-Fluorobiphenyl	50.00	86.2	50 - 110	7.96	7.963	-0.0030	+/-0.500	
2-Fluorophenol	100.0	42.1	20 - 110	3.692	3.683	0.0090	+/-0.500	
Nitrobenzene-d5	50.00	102	40 - 110	5.807	5.809	-0.0020	+/-0.500	
Phenol-d6	100.0	21.9	10 - 110	4.803	4.811	-0.0080	+/-0.500	
Terphenyl-d14	50.00	94.9	50 - 135	12.476	12.474	0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	100	40 - 125	9.686	9.693	-0.0070	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D10112	Instrument:	MS-BNA1
		Calibration:	1032006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1D10112-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 04/09/11 17:15		
2-Fluorobiphenyl	50.00	103	80 - 120	7.951	7.951	0.0000	+/-0.500	
2-Fluorophenol	100.0	113	80 - 120	3.676	3.676	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	106	80 - 120	5.797	5.797	0.0000	+/-0.500	
Phenol-d6	100.0	89.2	80 - 120	4.806	4.806	0.0000	+/-0.500	
Terphenyl-d14	50.00	85.8	80 - 120	12.461	12.461	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	108	80 - 120	9.679	9.679	0.0000	+/-0.500	
LCS (1D05010-BS1) ug/L				Lab File ID: D05010L1.D		Analyzed: 04/09/11 19:48		
2-Fluorobiphenyl	50.00	91.2	50 - 110	7.947	7.951	-0.0040	+/-0.500	
2-Fluorophenol	100.0	38.7	20 - 110	3.675	3.676	-0.0010	+/-0.500	
Nitrobenzene-d5	50.00	98.0	40 - 110	5.797	5.797	0.0000	+/-0.500	
Phenol-d6	100.0	20.1	10 - 110	4.793	4.806	-0.0130	+/-0.500	
Terphenyl-d14	50.00	101	50 - 135	12.458	12.461	-0.0030	+/-0.500	
2,4,6-Tribromophenol	100.0	111	40 - 125	9.676	9.679	-0.0030	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D10116	Instrument:	MS-BNA1
		Calibration:	1032006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1D10116-CCV1) ug/mL				Lab File ID: SEQ-CCV2.D		Analyzed: 04/10/11 06:19		
2-Fluorobiphenyl	50.00	95.4	80 - 120	7.954	7.954	0.0000	+/-0.500	
2-Fluorophenol	100.0	97.0	80 - 120	3.676	3.676	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	108	80 - 120	5.798	5.798	0.0000	+/-0.500	
Phenol-d6	100.0	84.4	80 - 120	4.806	4.806	0.0000	+/-0.500	
Terphenyl-d14	50.00	116	80 - 120	12.459	12.459	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	108	80 - 120	9.683	9.683	0.0000	+/-0.500	
Blank (1D08005-BLK1) ug/L				Lab File ID: D08005B1.D		Analyzed: 04/10/11 07:16		
2-Fluorobiphenyl	50.00	85.9	50 - 110	7.944	7.954	-0.0100	+/-0.500	
2-Fluorophenol	100.0	34.2	20 - 110	3.669	3.676	-0.0070	+/-0.500	
Nitrobenzene-d5	50.00	89.2	40 - 110	5.793	5.798	-0.0050	+/-0.500	
Phenol-d6	100.0	19.0	10 - 110	4.786	4.806	-0.0200	+/-0.500	
Terphenyl-d14	50.00	100	50 - 135	12.457	12.459	-0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	83.7	40 - 125	9.673	9.683	-0.0100	+/-0.500	
LCS (1D08005-BS1) ug/L				Lab File ID: D08005L1.D		Analyzed: 04/10/11 07:45		
2-Fluorobiphenyl	50.00	83.3	50 - 110	7.945	7.954	-0.0090	+/-0.500	
2-Fluorophenol	100.0	37.9	20 - 110	3.671	3.676	-0.0050	+/-0.500	
Nitrobenzene-d5	50.00	101	40 - 110	5.798	5.798	0.0000	+/-0.500	
Phenol-d6	100.0	19.3	10 - 110	4.794	4.806	-0.0120	+/-0.500	
Terphenyl-d14	50.00	101	50 - 135	12.463	12.459	0.0040	+/-0.500	
2,4,6-Tribromophenol	100.0	100	40 - 125	9.674	9.683	-0.0090	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D10213	Instrument:	MS-BNA1
		Calibration:	1032006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1D10213-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 04/11/11 13:37		
2-Fluorobiphenyl	50.00	86.6	80 - 120	7.939	7.939	0.0000	+/-0.500	
2-Fluorophenol	100.0	107	80 - 120	3.654	3.654	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	106	80 - 120	5.788	5.788	0.0000	+/-0.500	
Phenol-d6	100.0	97.2	80 - 120	4.784	4.784	0.0000	+/-0.500	
Terphenyl-d14	50.00	105	80 - 120	12.443	12.443	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	114	80 - 120	9.664	9.664	0.0000	+/-0.500	
GW0047 (1104024-01) ug/L				Lab File ID: 0402401.D		Analyzed: 04/11/11 22:08		
2-Fluorobiphenyl	47.17	93.1	50 - 110	7.927	7.939	-0.0120	+/-0.500	
2-Fluorophenol	94.34	28.4	20 - 110	3.649	3.654	-0.0050	+/-0.500	
Nitrobenzene-d5	47.17	99.1	40 - 110	5.778	5.788	-0.0100	+/-0.500	
Phenol-d6	94.34	14.8	10 - 110	4.768	4.784	-0.0160	+/-0.500	
Terphenyl-d14	47.17	97.8	50 - 135	12.437	12.443	-0.0060	+/-0.500	
2,4,6-Tribromophenol	94.34	103	40 - 125	9.654	9.664	-0.0100	+/-0.500	
GW0069 (1104024-03) ug/L				Lab File ID: 0402403.D		Analyzed: 04/11/11 22:36		
2-Fluorobiphenyl	48.08	78.8	50 - 110	7.932	7.939	-0.0070	+/-0.500	
2-Fluorophenol	96.15	31.7	20 - 110	3.648	3.654	-0.0060	+/-0.500	
Nitrobenzene-d5	48.08	88.2	40 - 110	5.774	5.788	-0.0140	+/-0.500	
Phenol-d6	96.15	17.1	10 - 110	4.772	4.784	-0.0120	+/-0.500	
Terphenyl-d14	48.08	106	50 - 135	12.439	12.443	-0.0040	+/-0.500	
2,4,6-Tribromophenol	96.15	95.6	40 - 125	9.655	9.664	-0.0090	+/-0.500	
GW0040 (1104061-01) ug/L				Lab File ID: 0406101.D		Analyzed: 04/11/11 23:33		
2-Fluorobiphenyl	47.17	75.3	50 - 110	7.93	7.939	-0.0090	+/-0.500	
2-Fluorophenol	94.34	26.1	20 - 110	3.655	3.654	0.0010	+/-0.500	
Nitrobenzene-d5	47.17	80.7	40 - 110	5.775	5.788	-0.0130	+/-0.500	
Phenol-d6	94.34	14.3	10 - 110	4.773	4.784	-0.0110	+/-0.500	
Terphenyl-d14	47.17	101	50 - 135	12.438	12.443	-0.0050	+/-0.500	
2,4,6-Tribromophenol	94.34	94.7	40 - 125	9.653	9.664	-0.0110	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D10408	Instrument:	MS-BNA1
		Calibration:	1032006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1D10408-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 04/13/11 15:59		
2-Fluorobiphenyl	50.00	95.9	80 - 120	7.875	7.875	0.0000	+/-0.500	
2-Fluorophenol	100.0	98.2	80 - 120	3.599	3.599	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	103	80 - 120	5.725	5.725	0.0000	+/-0.500	
Phenol-d6	100.0	83.2	80 - 120	4.728	4.728	0.0000	+/-0.500	
Terphenyl-d14	50.00	97.7	80 - 120	12.378	12.378	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	122	80 - 120	9.602	9.602	0.0000	+/-0.500	*
Blank (1D11005-BLK1) ug/L				Lab File ID: D11005B1.D		Analyzed: 04/13/11 17:14		
2-Fluorobiphenyl	50.00	66.9	50 - 110	7.871	7.875	-0.0040	+/-0.500	
2-Fluorophenol	100.0	31.6	20 - 110	3.592	3.599	-0.0070	+/-0.500	
Nitrobenzene-d5	50.00	92.1	40 - 110	5.721	5.725	-0.0040	+/-0.500	
Phenol-d6	100.0	16.9	10 - 110	4.714	4.728	-0.0140	+/-0.500	
Terphenyl-d14	50.00	104	50 - 135	12.375	12.378	-0.0030	+/-0.500	
2,4,6-Tribromophenol	100.0	88.1	40 - 125	9.587	9.602	-0.0150	+/-0.500	
LCS (1D11005-BS1) ug/L				Lab File ID: D11005L1.D		Analyzed: 04/13/11 17:43		
2-Fluorobiphenyl	50.00	75.3	50 - 110	7.878	7.875	0.0030	+/-0.500	
2-Fluorophenol	100.0	34.4	20 - 110	3.601	3.599	0.0020	+/-0.500	
Nitrobenzene-d5	50.00	90.2	40 - 110	5.729	5.725	0.0040	+/-0.500	
Phenol-d6	100.0	20.4	10 - 110	4.725	4.728	-0.0030	+/-0.500	
Terphenyl-d14	50.00	93.3	50 - 135	12.38	12.378	0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	91.4	40 - 125	9.603	9.602	0.0010	+/-0.500	
LCS Dup (1D11005-BSD1) ug/L				Lab File ID: D11005L2.D		Analyzed: 04/13/11 18:12		
2-Fluorobiphenyl	50.00	81.2	50 - 110	7.87	7.875	-0.0050	+/-0.500	
2-Fluorophenol	100.0	35.5	20 - 110	3.6	3.599	0.0010	+/-0.500	
Nitrobenzene-d5	50.00	91.5	40 - 110	5.722	5.725	-0.0030	+/-0.500	
Phenol-d6	100.0	20.2	10 - 110	4.725	4.728	-0.0030	+/-0.500	
Terphenyl-d14	50.00	98.1	50 - 135	12.376	12.378	-0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	99.3	40 - 125	9.598	9.602	-0.0040	+/-0.500	
GW0057 (1104086-01) ug/L				Lab File ID: 0408601.D		Analyzed: 04/13/11 20:35		
2-Fluorobiphenyl	49.02	71.1	50 - 110	7.87	7.875	-0.0050	+/-0.500	
2-Fluorophenol	98.04	26.3	20 - 110	3.589	3.599	-0.0100	+/-0.500	
Nitrobenzene-d5	49.02	81.2	40 - 110	5.716	5.725	-0.0090	+/-0.500	
Phenol-d6	98.04	15.1	10 - 110	4.714	4.728	-0.0140	+/-0.500	
Terphenyl-d14	49.02	98.7	50 - 135	12.379	12.378	0.0010	+/-0.500	
2,4,6-Tribromophenol	98.04	92.1	40 - 125	9.589	9.602	-0.0130	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D10408	Instrument:	MS-BNA1
		Calibration:	1032006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0071 (1104086-03) ug/L				Lab File ID: 0408603.D		Analyzed: 04/13/11 21:03		
2-Fluorobiphenyl	48.08	73.0	50 - 110	7.865	7.875	-0.0100	+/-0.500	
2-Fluorophenol	96.15	27.1	20 - 110	3.596	3.599	-0.0030	+/-0.500	
Nitrobenzene-d5	48.08	83.4	40 - 110	5.717	5.725	-0.0080	+/-0.500	
Phenol-d6	96.15	15.9	10 - 110	4.714	4.728	-0.0140	+/-0.500	
Terphenyl-d14	48.08	112	50 - 135	12.373	12.378	-0.0050	+/-0.500	
2,4,6-Tribromophenol	96.15	87.1	40 - 125	9.591	9.602	-0.0110	+/-0.500	

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D05010	Laboratory ID:	1D05010-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
3,3'-Dichlorobenzidine	50.00	36.58	73.2	20 - 110
Acenaphthene	50.00	45.22	90.4	45 - 110
Acenaphthylene	50.00	38.97	77.9	50 - 105
Acetophenone	50.00	37.08	74.2	50 - 110
Anthracene	50.00	50.25	100	55 - 110
Atrazine	50.00	47.21	94.4	70 - 115
Benzaldehyde	50.00	37.50	75.0	10 - 180
Benzidine	50.00	50.0 U	0	0 - 200
Benzo(a)anthracene	50.00	46.04	92.1	55 - 110
Benzo(a)pyrene	**50.00**	**63.59**	**127**	**55 - 110**
Benzo(b)fluoranthene	**50.00**	**74.43**	**149**	**45 - 120**
Benzo(g,h,i)perylene	**50.00**	**68.49**	**137**	**40 - 125**
Benzoic acid	50.00	13.84	27.7	0 - 125
Benzo(k)fluoranthene	**50.00**	**72.44**	**145**	**45 - 125**
1,1-Biphenyl	50.00	42.27	84.5	50 - 110
4-Bromophenyl-phenylether	50.00	49.12	98.2	50 - 115
Butylbenzylphthalate	50.00	51.22	102	45 - 115
Caprolactam	**50.00**	**4.255**	**8.51**	**20 - 110**
Carbazole	50.00	51.72	103	50 - 115
4-Chloro-3-methylphenol	50.00	41.49	83.0	45 - 110
4-Chloroaniline	50.00	26.40	52.8	15 - 110
Bis(2-chloroethoxy)methane	50.00	47.83	95.7	45 - 105
Bis(2-chloroethyl)ether	50.00	42.14	84.3	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	40.35	80.7	25 - 130
2-Chloronaphthalene	50.00	40.36	80.7	50 - 105
2-Chlorophenol	50.00	34.88	69.8	35 - 105
4-Chlorophenyl phenyl ether	50.00	44.40	88.8	50 - 110
Chrysene	50.00	47.87	95.7	55 - 110
Dibenz(a,h)anthracene	**50.00**	**67.95**	**136**	**40 - 125**
Dibenzofuran	50.00	43.89	87.8	55 - 105

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D05010	Laboratory ID:	1D05010-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Di-n-butylphthalate	50.00	53.10	106	55 - 115
2,4-Dichlorophenol	50.00	39.12	78.2	40 - 110
Diethylphthalate	50.00	46.33	92.7	40 - 120
2,4-Dimethylphenol	50.00	31.96	63.9	30 - 110
Dimethyl phthalate	50.00	49.82	99.6	25 - 125
4,6-Dinitro-2-methylphenol	50.00	61.80	124	40 - 130
2,4-Dinitrophenol	50.00	60.07	120	15 - 140
2,4-Dinitrotoluene	50.00	53.30	107	50 - 120
2,6-Dinitrotoluene	50.00	47.21	94.4	50 - 115
Di-n-octylphthalate	**50.00**	**79.91**	**160**	**35 - 135**
1,2-Diphenylhydrazine	50.00	53.02	106	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	46.48	93.0	40 - 125
Fluoranthene	50.00	44.54	89.1	55 - 115
Fluorene	50.00	45.65	91.3	50 - 110
Hexachlorobenzene	50.00	47.41	94.8	50 - 110
Hexachlorobutadiene	50.00	14.89	29.8	25 - 105
Hexachlorocyclopentadiene	50.00	19.56	39.1	10 - 110
Hexachloroethane	50.00	17.02	34.0	30 - 95
Indeno(1,2,3-cd)pyrene	**50.00**	**68.46**	**137**	**45 - 125**
Isophorone	50.00	43.79	87.6	50 - 110
1-Methylnaphthalene	50.00	29.61	59.2	30 - 115
2-Methylnaphthalene	50.00	37.54	75.1	45 - 105
2-Methylphenol	50.00	26.00	52.0	40 - 110
3+4-Methylphenol	50.00	21.60	43.2	30 - 110
4-Nitroaniline	50.00	59.07	118	35 - 120
3-Nitroaniline	50.00	37.58	75.2	20 - 125
2-Nitroaniline	**50.00**	**58.44**	**117**	**50 - 115**
Nitrobenzene	50.00	47.88	95.8	30 - 110
4-Nitrophenol	50.00	14.41	28.8	0 - 125
2-Nitrophenol	50.00	43.97	87.9	40 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D05010	Laboratory ID:	1D05010-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
N-Nitrosodiphenylamine	50.00	40.34	80.7	50 - 110
N-Nitroso-di-n-propylamine	50.00	44.35	88.7	35 - 130
Pentachlorophenol	50.00	56.56	113	40 - 115
Phenanthrene	50.00	49.50	99.0	50 - 115
Phenol	50.00	10.10	20.2	0 - 115
Pyrene	50.00	51.58	103	50 - 130
2,4,6-Trichlorophenol	50.00	44.81	89.6	50 - 115
2,4,5-Trichlorophenol	50.00	44.84	89.7	50 - 110

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
3,3'-Dichlorobenzidine	50.00	40.61	81.2	10.5	30	20 - 110
Acenaphthene	50.00	44.86	89.7	0.810	30	45 - 110
Acenaphthylene	50.00	41.71	83.4	6.81	30	50 - 105
Acetophenone	50.00	43.10	86.2	15.0	30	50 - 110
Anthracene	50.00	47.77	95.5	5.06	30	55 - 110
Atrazine	50.00	44.84	89.7	5.16	30	70 - 115
Benzaldehyde	50.00	38.30	76.6	2.11	30	10 - 180
Benzidine	50.00	50.0 U	0		30	0 - 200
Benzo(a)anthracene	50.00	46.09	92.2	0.108	30	55 - 110
Benzo(a)pyrene	50.00	53.62	107	17.0	30	55 - 110
Benzo(b)fluoranthene	**50.00**	**65.28**	**131 ***	**13.1**	**30**	**45 - 120**
Benzo(g,h,i)perylene	**50.00**	**72.72**	**145 ***	**5.99**	**30**	**40 - 125**
Benzoic acid	50.00	13.32	26.6	3.88	30	0 - 125
Benzo(k)fluoranthene	50.00	59.97	120	18.8	30	45 - 125
1,1-Biphenyl	50.00	41.09	82.2	2.84	30	50 - 110
4-Bromophenyl-phenylether	50.00	50.74	101	3.23	30	50 - 115
Butylbenzylphthalate	50.00	53.20	106	3.80	30	45 - 115
Caprolactam	**50.00**	**5.128**	**10.3 ***	**18.6**	**30**	**20 - 110**
Carbazole	50.00	53.29	107	2.99	30	50 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D05010	Laboratory ID:	1D05010-BSD1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
4-Chloro-3-methylphenol	50.00	40.12	80.2	3.35	30	45 - 110
4-Chloroaniline	50.00	29.45	58.9	10.9	30	15 - 110
Bis(2-chloroethoxy)methane	50.00	50.25	101	4.94	30	45 - 105
Bis(2-chloroethyl)ether	50.00	45.66	91.3	8.02	30	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	45.20	90.4	11.4	30	25 - 130
2-Chloronaphthalene	50.00	38.79	77.6	3.97	30	50 - 105
2-Chlorophenol	50.00	36.20	72.4	3.71	30	35 - 105
4-Chlorophenyl phenyl ether	50.00	48.66	97.3	9.16	30	50 - 110
Chrysene	50.00	47.29	94.6	1.21	30	55 - 110
Dibenz(a,h)anthracene	**50.00**	**65.66**	**131 ***	**3.43**	**30**	**40 - 125**
Dibenzofuran	50.00	44.40	88.8	1.17	30	55 - 105
Di-n-butylphthalate	50.00	57.31	115	7.62	30	55 - 115
2,4-Dichlorophenol	50.00	41.75	83.5	6.50	30	40 - 110
Diethylphthalate	50.00	56.15	112	19.2	30	40 - 120
2,4-Dimethylphenol	50.00	31.59	63.2	1.17	30	30 - 110
Dimethyl phthalate	50.00	48.51	97.0	2.67	30	25 - 125
4,6-Dinitro-2-methylphenol	50.00	61.10	122	1.15	30	40 - 130
2,4-Dinitrophenol	50.00	58.03	116	3.45	30	15 - 140
2,4-Dinitrotoluene	50.00	53.43	107	0.255	30	50 - 120
2,6-Dinitrotoluene	50.00	47.48	95.0	0.574	30	50 - 115
Di-n-octylphthalate	50.00	58.21	116	31.4 *	30	35 - 135
1,2-Diphenylhydrazine	50.00	53.86	108	1.59	30	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	51.26	103	9.79	30	40 - 125
Fluoranthene	50.00	49.81	99.6	11.2	30	55 - 115
Fluorene	50.00	49.00	98.0	7.08	30	50 - 110
Hexachlorobenzene	50.00	51.06	102	7.41	30	50 - 110
Hexachlorobutadiene	50.00	14.59	29.2	1.99	30	25 - 105
Hexachlorocyclopentadiene	50.00	20.55	41.1	4.96	30	10 - 110
Hexachloroethane	50.00	16.50	33.0	3.08	30	30 - 95
Indeno(1,2,3-cd)pyrene	50.00	54.09	108	23.5	30	45 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D05010	Laboratory ID:	1D05010-BSD1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Isophorone	50.00	44.68	89.4	2.01	30	50 - 110
1-Methylnaphthalene	50.00	33.86	67.7	13.4	30	30 - 115
2-Methylnaphthalene	50.00	38.09	76.2	1.45	30	45 - 105
2-Methylphenol	50.00	28.38	56.8	8.75	30	40 - 110
3+4-Methylphenol	50.00	23.59	47.2	8.82	30	30 - 110
4-Nitroaniline	**50.00**	**67.92**	**136 ***	**13.9**	**30**	**35 - 120**
3-Nitroaniline	50.00	39.95	79.9	6.11	30	20 - 125
2-Nitroaniline	50.00	54.27	109	7.39	30	50 - 115
Nitrobenzene	50.00	51.78	104	7.82	30	30 - 110
4-Nitrophenol	50.00	15.52	31.0	7.44	30	0 - 125
2-Nitrophenol	50.00	46.45	92.9	5.49	30	40 - 115
N-Nitrosodiphenylamine	50.00	37.81	75.6	6.48	30	50 - 110
N-Nitroso-di-n-propylamine	50.00	48.81	97.6	9.56	30	35 - 130
Pentachlorophenol	50.00	50.28	101	11.8	30	40 - 115
Phenanthrene	50.00	45.05	90.1	9.41	30	50 - 115
Phenol	50.00	11.69	23.4	14.6	30	0 - 115
Pyrene	50.00	54.47	109	5.45	30	50 - 130
2,4,6-Trichlorophenol	50.00	44.26	88.5	1.24	30	50 - 115
2,4,5-Trichlorophenol	50.00	40.24	80.5	10.8	30	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D08005	Laboratory ID:	1D08005-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
3,3'-Dichlorobenzidine	50.00	42.90	85.8	20 - 110
Acenaphthene	50.00	44.33	88.7	45 - 110
Acenaphthylene	50.00	43.75	87.5	50 - 105
Acetophenone	50.00	39.56	79.1	50 - 110
Anthracene	50.00	39.30	78.6	55 - 110
Atrazine	50.00	46.98	94.0	70 - 115
Benzaldehyde	50.00	36.93	73.9	10 - 180
Benzidine	50.00	50.0 U	0	0 - 200
Benzo(a)anthracene	50.00	44.19	88.4	55 - 110
Benzo(a)pyrene	50.00	52.51	105	55 - 110
Benzo(b)fluoranthene	50.00	54.00	108	45 - 120
Benzo(g,h,i)perylene	50.00	45.85	91.7	40 - 125
Benzoic acid	50.00	12.68	25.4	0 - 125
Benzo(k)fluoranthene	50.00	55.22	110	45 - 125
1,1-Biphenyl	50.00	43.02	86.0	50 - 110
4-Bromophenyl-phenylether	50.00	47.76	95.5	50 - 115
Butylbenzylphthalate	50.00	55.20	110	45 - 115
Caprolactam	**50.00**	**5.607**	**11.2**	**20 - 110**
Carbazole	50.00	48.65	97.3	50 - 115
4-Chloro-3-methylphenol	50.00	43.15	86.3	45 - 110
4-Chloroaniline	50.00	38.92	77.8	15 - 110
Bis(2-chloroethoxy)methane	50.00	51.30	103	45 - 105
Bis(2-chloroethyl)ether	50.00	42.39	84.8	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	40.52	81.0	25 - 130
2-Chloronaphthalene	50.00	42.07	84.1	50 - 105
2-Chlorophenol	50.00	35.42	70.8	35 - 105
4-Chlorophenyl phenyl ether	50.00	47.22	94.4	50 - 110
Chrysene	50.00	44.52	89.0	55 - 110
Dibenz(a,h)anthracene	50.00	44.73	89.5	40 - 125
Dibenzofuran	50.00	46.29	92.6	55 - 105

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D08005	Laboratory ID:	1D08005-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Di-n-butylphthalate	50.00	54.17	108	55 - 115
2,4-Dichlorophenol	50.00	41.26	82.5	40 - 110
Diethylphthalate	50.00	53.16	106	40 - 120
2,4-Dimethylphenol	50.00	42.44	84.9	30 - 110
Dimethyl phthalate	50.00	50.80	102	25 - 125
4,6-Dinitro-2-methylphenol	50.00	56.24	112	40 - 130
2,4-Dinitrophenol	50.00	54.06	108	15 - 140
2,4-Dinitrotoluene	50.00	52.56	105	50 - 120
2,6-Dinitrotoluene	50.00	47.78	95.6	50 - 115
Di-n-octylphthalate	**50.00**	**85.77**	**172**	**35 - 135**
1,2-Diphenylhydrazine	50.00	51.66	103	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	55.36	111	40 - 125
Fluoranthene	50.00	44.24	88.5	55 - 115
Fluorene	50.00	48.21	96.4	50 - 110
Hexachlorobenzene	50.00	49.26	98.5	50 - 110
Hexachlorobutadiene	50.00	16.64	33.3	25 - 105
Hexachlorocyclopentadiene	50.00	19.70	39.4	10 - 110
Hexachloroethane	**50.00**	**14.70**	**29.4**	**30 - 95**
Indeno(1,2,3-cd)pyrene	50.00	46.79	93.6	45 - 125
Isophorone	50.00	48.54	97.1	50 - 110
1-Methylnaphthalene	50.00	34.00	68.0	30 - 115
2-Methylnaphthalene	50.00	46.14	92.3	45 - 105
2-Methylphenol	50.00	27.28	54.6	40 - 110
3+4-Methylphenol	50.00	21.40	42.8	30 - 110
4-Nitroaniline	**50.00**	**68.22**	**136**	**35 - 120**
3-Nitroaniline	50.00	43.35	86.7	20 - 125
2-Nitroaniline	50.00	50.64	101	50 - 115
Nitrobenzene	50.00	52.81	106	30 - 110
4-Nitrophenol	50.00	11.95	23.9	0 - 125
2-Nitrophenol	50.00	45.88	91.8	40 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D08005	Laboratory ID:	1D08005-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
N-Nitrosodiphenylamine	50.00	40.38	80.8	50 - 110
N-Nitroso-di-n-propylamine	50.00	46.36	92.7	35 - 130
Pentachlorophenol	50.00	46.96	93.9	40 - 115
Phenanthrene	50.00	47.30	94.6	50 - 115
Phenol	50.00	10.87	21.7	0 - 115
Pyrene	50.00	52.61	105	50 - 130
2,4,6-Trichlorophenol	50.00	46.04	92.1	50 - 115
2,4,5-Trichlorophenol	50.00	46.94	93.9	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D11005	Laboratory ID:	1D11005-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
3,3'-Dichlorobenzidine	50.00	32.63	65.3	20 - 110
Acenaphthene	50.00	36.42	72.8	45 - 110
Acenaphthylene	50.00	34.05	68.1	50 - 105
Acetophenone	50.00	36.68	73.4	50 - 110
Anthracene	50.00	42.73	85.5	55 - 110
Atrazine	50.00	51.78	104	70 - 115
Benzaldehyde	50.00	36.87	73.7	10 - 180
Benzidine	50.00	50.0 U	0	0 - 200
Benzo(a)anthracene	50.00	44.15	88.3	55 - 110
Benzo(a)pyrene	50.00	47.48	95.0	55 - 110
Benzo(b)fluoranthene	50.00	52.34	105	45 - 120
Benzo(g,h,i)perylene	50.00	45.21	90.4	40 - 125
Benzoic acid	50.00	50.0 U	0	0 - 125
Benzo(k)fluoranthene	50.00	53.32	107	45 - 125
1,1-Biphenyl	50.00	34.81	69.6	50 - 110
4-Bromophenyl-phenylether	50.00	43.17	86.3	50 - 115
Butylbenzylphthalate	50.00	54.71	109	45 - 115
Caprolactam	**50.00**	**5.926**	**11.9**	**20 - 110**
Carbazole	50.00	47.23	94.5	50 - 115
4-Chloro-3-methylphenol	50.00	37.88	75.8	45 - 110
4-Chloroaniline	50.00	33.96	67.9	15 - 110
Bis(2-chloroethoxy)methane	50.00	42.70	85.4	45 - 105
Bis(2-chloroethyl)ether	50.00	40.54	81.1	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	37.32	74.6	25 - 130
2-Chloronaphthalene	50.00	31.92	63.8	50 - 105
2-Chlorophenol	50.00	31.41	62.8	35 - 105
4-Chlorophenyl phenyl ether	50.00	40.17	80.3	50 - 110
Chrysene	50.00	42.78	85.6	55 - 110
Dibenz(a,h)anthracene	50.00	43.09	86.2	40 - 125
Dibenzofuran	50.00	40.23	80.5	55 - 105

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D11005	Laboratory ID:	1D11005-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Di-n-butylphthalate	50.00	49.72	99.4	55 - 115
2,4-Dichlorophenol	50.00	39.81	79.6	40 - 110
Diethylphthalate	50.00	51.28	103	40 - 120
2,4-Dimethylphenol	50.00	38.56	77.1	30 - 110
Dimethyl phthalate	50.00	46.69	93.4	25 - 125
4,6-Dinitro-2-methylphenol	50.00	53.05	106	40 - 130
2,4-Dinitrophenol	50.00	55.36	111	15 - 140
2,4-Dinitrotoluene	50.00	51.90	104	50 - 120
2,6-Dinitrotoluene	50.00	43.36	86.7	50 - 115
Di-n-octylphthalate	50.00	67.12	134	35 - 135
1,2-Diphenylhydrazine	50.00	39.75	79.5	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	48.40	96.8	40 - 125
Fluoranthene	50.00	44.47	88.9	55 - 115
Fluorene	50.00	40.22	80.4	50 - 110
Hexachlorobenzene	50.00	43.31	86.6	50 - 110
Hexachlorobutadiene	**50.00**	**12.02**	**24.0**	**25 - 105**
Hexachlorocyclopentadiene	50.00	15.08	30.2	10 - 110
Hexachloroethane	**50.00**	**14.07**	**28.1**	**30 - 95**
Indeno(1,2,3-cd)pyrene	50.00	44.08	88.2	45 - 125
Isophorone	50.00	43.27	86.5	50 - 110
1-Methylnaphthalene	50.00	31.50	63.0	30 - 115
2-Methylnaphthalene	50.00	34.58	69.2	45 - 105
2-Methylphenol	50.00	25.47	50.9	40 - 110
3+4-Methylphenol	50.00	21.14	42.3	30 - 110
4-Nitroaniline	50.00	53.40	107	35 - 120
3-Nitroaniline	50.00	41.05	82.1	20 - 125
2-Nitroaniline	50.00	48.75	97.5	50 - 115
Nitrobenzene	50.00	44.78	89.6	30 - 110
4-Nitrophenol	50.00	10.92	21.8	0 - 125
2-Nitrophenol	50.00	41.98	84.0	40 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D11005	Laboratory ID:	1D11005-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
N-Nitrosodiphenylamine	50.00	36.25	72.5	50 - 110
N-Nitroso-di-n-propylamine	50.00	43.66	87.3	35 - 130
Pentachlorophenol	50.00	50.58	101	40 - 115
Phenanthrene	50.00	44.80	89.6	50 - 115
Phenol	50.00	10.86	21.7	0 - 115
Pyrene	50.00	49.29	98.6	50 - 130
2,4,6-Trichlorophenol	50.00	42.93	85.9	50 - 115
2,4,5-Trichlorophenol	50.00	41.82	83.6	50 - 110

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
3,3'-Dichlorobenzidine	50.00	33.21	66.4	1.75	30	20 - 110
Acenaphthene	50.00	38.39	76.8	5.27	30	45 - 110
Acenaphthylene	50.00	38.67	77.3	12.7	30	50 - 105
Acetophenone	50.00	34.85	69.7	5.13	30	50 - 110
Anthracene	50.00	40.33	80.7	5.79	30	55 - 110
Atrazine	50.00	44.35	88.7	15.5	30	70 - 115
Benzaldehyde	50.00	36.45	72.9	1.13	30	10 - 180
Benzidine	50.00	50.0 U	0		30	0 - 200
Benzo(a)anthracene	50.00	42.34	84.7	4.17	30	55 - 110
Benzo(a)pyrene	50.00	50.42	101	6.00	30	55 - 110
Benzo(b)fluoranthene	50.00	52.29	105	0.102	30	45 - 120
Benzo(g,h,i)perylene	50.00	43.39	86.8	4.10	30	40 - 125
Benzoic acid	50.00	50.0 U	0		30	0 - 125
Benzo(k)fluoranthene	50.00	53.72	107	0.760	30	45 - 125
1,1-Biphenyl	50.00	37.75	75.5	8.11	30	50 - 110
4-Bromophenyl-phenylether	50.00	44.31	88.6	2.60	30	50 - 115
Butylbenzylphthalate	50.00	47.28	94.6	14.6	30	45 - 115
Caprolactam	**50.00**	**6.037**	**12.1 ***	**1.85**	**30**	**20 - 110**
Carbazole	50.00	41.26	82.5	13.5	30	50 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D11005	Laboratory ID:	1D11005-BSD1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
4-Chloro-3-methylphenol	50.00	38.38	76.8	1.30	30	45 - 110
4-Chloroaniline	50.00	32.51	65.0	4.35	30	15 - 110
Bis(2-chloroethoxy)methane	50.00	46.90	93.8	9.38	30	45 - 105
Bis(2-chloroethyl)ether	50.00	35.81	71.6	12.4	30	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	35.10	70.2	6.11	30	25 - 130
2-Chloronaphthalene	50.00	33.58	67.2	5.05	30	50 - 105
2-Chlorophenol	50.00	27.65	55.3	12.7	30	35 - 105
4-Chlorophenyl phenyl ether	50.00	46.52	93.0	14.7	30	50 - 110
Chrysene	50.00	41.89	83.8	2.10	30	55 - 110
Dibenz(a,h)anthracene	50.00	42.29	84.6	1.87	30	40 - 125
Dibenzofuran	50.00	41.95	83.9	4.18	30	55 - 105
Di-n-butylphthalate	50.00	45.31	90.6	9.28	30	55 - 115
2,4-Dichlorophenol	50.00	37.34	74.7	6.42	30	40 - 110
Diethylphthalate	50.00	51.64	103	0.690	30	40 - 120
2,4-Dimethylphenol	50.00	36.70	73.4	4.93	30	30 - 110
Dimethyl phthalate	50.00	45.83	91.7	1.86	30	25 - 125
4,6-Dinitro-2-methylphenol	50.00	51.36	103	3.24	30	40 - 130
2,4-Dinitrophenol	50.00	51.35	103	7.52	30	15 - 140
2,4-Dinitrotoluene	50.00	51.31	103	1.14	30	50 - 120
2,6-Dinitrotoluene	50.00	45.97	91.9	5.84	30	50 - 115
Di-n-octylphthalate	50.00	61.59	123	8.60	30	35 - 135
1,2-Diphenylhydrazine	50.00	45.27	90.5	13.0	30	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	45.89	91.8	5.31	30	40 - 125
Fluoranthene	50.00	38.08	76.2	15.5	30	55 - 115
Fluorene	50.00	42.04	84.1	4.44	30	50 - 110
Hexachlorobenzene	50.00	44.48	89.0	2.67	30	50 - 110
Hexachlorobutadiene	**50.00**	**11.25**	**22.5 ***	**6.59**	**30**	**25 - 105**
Hexachlorocyclopentadiene	50.00	14.39	28.8	4.73	30	10 - 110
Hexachloroethane	**50.00**	**12.78**	**25.6 ***	**9.54**	**30**	**30 - 95**
Indeno(1,2,3-cd)pyrene	50.00	41.16	82.3	6.87	30	45 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D11005	Laboratory ID:	1D11005-BSD1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Isophorone	50.00	41.50	83.0	4.17	30	50 - 110
1-Methylnaphthalene	50.00	29.01	58.0	8.22	30	30 - 115
2-Methylnaphthalene	50.00	31.33	62.7	9.86	30	45 - 105
2-Methylphenol	50.00	24.11	48.2	5.50	30	40 - 110
3+4-Methylphenol	50.00	20.50	41.0	3.05	30	30 - 110
4-Nitroaniline	50.00	50.46	101	5.67	30	35 - 120
3-Nitroaniline	50.00	38.47	76.9	6.51	30	20 - 125
2-Nitroaniline	50.00	46.98	94.0	3.71	30	50 - 115
Nitrobenzene	50.00	42.60	85.2	4.99	30	30 - 110
4-Nitrophenol	50.00	12.30	24.6	11.9	30	0 - 125
2-Nitrophenol	50.00	44.06	88.1	4.83	30	40 - 115
N-Nitrosodiphenylamine	50.00	34.96	69.9	3.62	30	50 - 110
N-Nitroso-di-n-propylamine	50.00	41.26	82.5	5.66	30	35 - 130
Pentachlorophenol	50.00	45.48	91.0	10.6	30	40 - 115
Phenanthrene	50.00	39.38	78.8	12.9	30	50 - 115
Phenol	50.00	11.01	22.0	1.34	30	0 - 115
Pyrene	50.00	46.30	92.6	6.25	30	50 - 130
2,4,6-Trichlorophenol	50.00	43.73	87.5	1.85	30	50 - 115
2,4,5-Trichlorophenol	50.00	44.12	88.2	5.36	30	50 - 110

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 1D05010 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0047	1104024-01	04/05/11 17:15	1,060.00	1.00
GW0069	1104024-03	04/05/11 17:15	1,040.00	1.00
Blank	1D05010-BLK1	04/05/11 17:15	1,000.00	1.00
LCS	1D05010-BS1	04/05/11 17:15	1,000.00	1.00
LCS Dup	1D05010-BSD1	04/05/11 17:15	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 1D08005 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0040	1104061-01	04/08/11 12:46	1,060.00	1.00
Blank	1D08005-BLK1	04/08/11 12:46	1,000.00	1.00
LCS	1D08005-BS1	04/08/11 12:46	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 1D11005 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0057	1104086-01	04/11/11 11:28	1,020.00	1.00
GW0071	1104086-03	04/11/11 11:28	1,040.00	1.00
Blank	1D11005-BLK1	04/11/11 11:28	1,000.00	1.00
LCS	1D11005-BS1	04/11/11 11:28	1,000.00	1.00
LCS Dup	1D11005-BSD1	04/11/11 11:28	1,000.00	1.00

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	01/26/11
Instrument ID:	MS-BNA1	Injection Time:	15:13
Sequence:	1B03208	Lab Sample ID:	1B03208-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	41.9	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	62.8	PASS
70	Less than 2% of 69	0.345	PASS
127	40 - 60% of 198	44.3	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.89	PASS
275	10 - 30% of 198	16.8	PASS
365	1 - 200% of 198	1.47	PASS
441	0.001 - 100% of 443	70.3	PASS
442	40 - 200% of 198	40.3	PASS
443	17 - 23% of 442	21.7	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	01/28/11
Instrument ID:	MS-BNA1	Injection Time:	09:18
Sequence:	1B03208	Lab Sample ID:	1B03208-TUN2

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	31.1	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	48.5	PASS
70	Less than 2% of 69	0.314	PASS
127	40 - 60% of 198	40.4	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.62	PASS
275	10 - 30% of 198	20	PASS
365	1 - 200% of 198	2.17	PASS
441	0.001 - 100% of 443	75.3	PASS
442	40 - 200% of 198	77.2	PASS
443	17 - 23% of 442	19.8	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	04/08/11
Instrument ID:	MS-BNA1	Injection Time:	12:24
Sequence:	1D10111	Lab Sample ID:	1D10111-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	48.5	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	75.6	PASS
70	Less than 2% of 69	0	PASS
127	40 - 60% of 198	49	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.63	PASS
275	10 - 30% of 198	16.5	PASS
365	1 - 200% of 198	1.7	PASS
441	0.001 - 100% of 443	83.9	PASS
442	40 - 200% of 198	41	PASS
443	17 - 23% of 442	20.5	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	04/09/11
Instrument ID:	MS-BNA1	Injection Time:	16:48
Sequence:	1D10112	Lab Sample ID:	1D10112-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	44	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	76.3	PASS
70	Less than 2% of 69	0.21	PASS
127	40 - 60% of 198	50.2	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.21	PASS
275	10 - 30% of 198	17.4	PASS
365	1 - 200% of 198	1.77	PASS
441	0.001 - 100% of 443	78.6	PASS
442	40 - 200% of 198	49.2	PASS
443	17 - 23% of 442	19.3	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN2.D	Injection Date:	04/10/11
Instrument ID:	MS-BNA1	Injection Time:	05:52
Sequence:	1D10116	Lab Sample ID:	1D10116-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	44.6	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	75.6	PASS
70	Less than 2% of 69	0.176	PASS
127	40 - 60% of 198	49.2	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.97	PASS
275	10 - 30% of 198	16.9	PASS
365	1 - 200% of 198	1.81	PASS
441	0.001 - 100% of 443	79.9	PASS
442	40 - 200% of 198	46.8	PASS
443	17 - 23% of 442	18.6	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	04/11/11
Instrument ID:	MS-BNA1	Injection Time:	13:10
Sequence:	1D10213	Lab Sample ID:	1D10213-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	41.8	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	67.5	PASS
70	Less than 2% of 69	0.287	PASS
127	40 - 60% of 198	49	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.87	PASS
275	10 - 30% of 198	18.3	PASS
365	1 - 200% of 198	1.8	PASS
441	0.001 - 100% of 443	72.2	PASS
442	40 - 200% of 198	49.4	PASS
443	17 - 23% of 442	20.3	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	04/13/11
Instrument ID:	MS-BNA1	Injection Time:	15:33
Sequence:	1D10408	Lab Sample ID:	1D10408-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	40.7	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	69.4	PASS
70	Less than 2% of 69	0.312	PASS
127	40 - 60% of 198	49.6	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.94	PASS
275	10 - 30% of 198	17	PASS
365	1 - 200% of 198	2.34	PASS
441	0.001 - 100% of 443	74.7	PASS
442	40 - 200% of 198	53.6	PASS
443	17 - 23% of 442	21.4	PASS

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1B03208	Instrument:	MS-BNA1
Calibration:	1032006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1B03208-TUN1	SEQ-TUN1.D	01/26/11 15:13
Cal Standard	1B03208-CAL1	SEQ-CAL1.D	01/26/11 15:40
Cal Standard	1B03208-CAL2	SEQ-CAL2.D	01/26/11 16:08
Cal Standard	1B03208-CAL3	SEQ-CAL3.D	01/26/11 16:37
Cal Standard	1B03208-CAL4	SEQ-CAL4.D	01/26/11 17:05
Cal Standard	1B03208-CAL5	SEQ-CAL5.D	01/26/11 17:34
Cal Standard	1B03208-CAL6	SEQ-CAL6.D	01/26/11 18:03
Cal Standard	1B03208-CAL7	SEQ-CAL7.D	01/26/11 18:31
Cal Standard	1B03208-CAL8	SEQ-CAL8.D	01/26/11 19:00
Cal Standard	1B03208-CAL9	SEQ-CAL9.D	01/26/11 19:29
Cal Standard	1B03208-CALA	SEQ-CALA.D	01/26/11 19:57
Cal Standard	1B03208-CALB	SEQ-CALB.D	01/26/11 20:26
Cal Standard	1B03208-CALC	SEQ-CALC.D	01/26/11 20:54
Cal Standard	1B03208-CALD	SEQ-CALD.D	01/26/11 21:23
Cal Standard	1B03208-CALE	SEQ-CALE.D	01/26/11 21:52
Cal Standard	1B03208-CALF	SEQ-CALF.D	01/26/11 22:20
Cal Standard	1B03208-CALG	SEQ-CALG.D	01/26/11 22:49
Initial Cal Check	1B03208-ICV1	SEQ-ICV1.D	01/26/11 23:17
Initial Cal Check	1B03208-ICV2	SEQ-ICV2.D	01/26/11 23:45
Initial Cal Check	1B03208-ICV3	SEQ-ICV3.D	01/27/11 00:13
MS Tune	1B03208-TUN2	SEQ-TUN1.D	01/28/11 09:18
Initial Cal Check	1B03208-ICV4	SEQ-ICV4.D	01/28/11 10:25

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D10111	Instrument:	MS-BNA1
Calibration:	1032006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1D10111-TUN1	SEQ-TUN1.D	04/08/11 12:24
Calibration Check	1D10111-CCV1	SEQ-CCV1.D	04/08/11 12:50
Blank	1D05010-BLK1	D05010B1.D	04/08/11 14:19
LCS Dup	1D05010-BSD1	D05010L2.D	04/08/11 16:15

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D10112	Instrument:	MS-BNA1
Calibration:	1032006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1D10112-TUN1	SEQ-TUN1.D	04/09/11 16:48
Calibration Check	1D10112-CCV1	SEQ-CCV1.D	04/09/11 17:15
LCS	1D05010-BS1	D05010L1.D	04/09/11 19:48

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D10116	Instrument:	MS-BNA1
Calibration:	1032006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1D10116-TUN1	SEQ-TUN2.D	04/10/11 05:52
Calibration Check	1D10116-CCV1	SEQ-CCV2.D	04/10/11 06:19
Blank	1D08005-BLK1	D08005B1.D	04/10/11 07:16
LCS	1D08005-BS1	D08005L1.D	04/10/11 07:45

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D10213	Instrument:	MS-BNA1
Calibration:	1032006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1D10213-TUN1	SEQ-TUN1.D	04/11/11 13:10
Calibration Check	1D10213-CCV1	SEQ-CCV1.D	04/11/11 13:37
GW0047	1104024-01	0402401.D	04/11/11 22:08
GW0069	1104024-03	0402403.D	04/11/11 22:36
GW0040	1104061-01	0406101.D	04/11/11 23:33

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D10408	Instrument:	MS-BNA1
Calibration:	1032006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1D10408-TUN1	SEQ-TUN1.D	04/13/11 15:33
Calibration Check	1D10408-CCV1	SEQ-CCV1.D	04/13/11 15:59
Blank	1D11005-BLK1	D11005B1.D	04/13/11 17:14
LCS	1D11005-BS1	D11005L1.D	04/13/11 17:43
LCS Dup	1D11005-BSD1	D11005L2.D	04/13/11 18:12
GW0057	1104086-01	0408601.D	04/13/11 20:35
GW0071	1104086-03	0408603.D	04/13/11 21:03

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D10111	Instrument:	MS-BNA1
		Calibration:	1032006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1D10111-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 04/08/11 12:50			
1,4-Dichlorobenzene-d4	508893	5.16	537968	6.172	95	50 - 200	-1.0120	+/-0.50	
Naphthalene-d8	1505927	6.642	1642233	7.653	92	50 - 200	-1.0110	+/-0.50	
Acenaphthene-d10	697535	8.74	783714	9.779	89	50 - 200	-1.0390	+/-0.50	
Phenanthrene-d10	983887	10.514	1089157	11.597	90	50 - 200	-1.0830	+/-0.50	
Chrysene-d12	837032	13.69	993474	14.84	84	50 - 200	-1.1500	+/-0.50	
Perylene-d12	711648	15.326	932715	16.597	76	50 - 200	-1.2710	+/-0.50	
Blank (1D05010-BLK1)			Lab File ID: D05010B1.D			Analyzed: 04/08/11 14:19			
1,4-Dichlorobenzene-d4	508125	5.155	508893	5.16	100	50 - 200	-0.0050	+/-0.50	
Naphthalene-d8	1465938	6.639	1505927	6.642	97	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	647117	8.735	697535	8.74	93	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	868778	10.51	983887	10.514	88	50 - 200	-0.0040	+/-0.50	
Chrysene-d12	666670	13.681	837032	13.69	80	50 - 200	-0.0090	+/-0.50	
Perylene-d12	449846	15.318	711648	15.326	63	50 - 200	-0.0080	+/-0.50	
LCS Dup (1D05010-BSD1)			Lab File ID: D05010L2.D			Analyzed: 04/08/11 16:15			
1,4-Dichlorobenzene-d4	414743	5.158	508893	5.16	81	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	1261611	6.64	1505927	6.642	84	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	602734	8.735	697535	8.74	86	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	835704	10.514	983887	10.514	85	50 - 200	0.0000	+/-0.50	
Chrysene-d12	673194	13.694	837032	13.69	80	50 - 200	0.0040	+/-0.50	
Perylene-d12	537226	15.323	711648	15.326	75	50 - 200	-0.0030	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D10112	Instrument:	MS-BNA1
		Calibration:	1032006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1D10112-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 04/09/11 17:15			
1,4-Dichlorobenzene-d4	486995	5.148	537968	6.172	91	50 - 200	-1.0240	+/-0.50	
Naphthalene-d8	1402416	6.63	1642233	7.653	85	50 - 200	-1.0230	+/-0.50	
Acenaphthene-d10	623913	8.727	783714	9.779	80	50 - 200	-1.0520	+/-0.50	
Phenanthrene-d10	900391	10.499	1089157	11.597	83	50 - 200	-1.0980	+/-0.50	
Chrysene-d12	797457	13.677	993474	14.84	80	50 - 200	-1.1630	+/-0.50	
Perylene-d12	610109	15.311	932715	16.597	65	50 - 200	-1.2860	+/-0.50	
LCS (1D05010-BS1)			Lab File ID: D05010L1.D			Analyzed: 04/09/11 19:48			
1,4-Dichlorobenzene-d4	582177	5.148	486995	5.148	120	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	1674741	6.63	1402416	6.63	119	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	758244	8.722	623913	8.727	122	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	1039811	10.495	900391	10.499	115	50 - 200	-0.0040	+/-0.50	
Chrysene-d12	824455	13.678	797457	13.677	103	50 - 200	0.0010	+/-0.50	
Perylene-d12	478725	15.307	610109	15.311	78	50 - 200	-0.0040	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D10116	Instrument:	MS-BNA1
		Calibration:	1032006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1D10116-CCV1)			Lab File ID: SEQ-CCV2.D			Analyzed: 04/10/11 06:19			
1,4-Dichlorobenzene-d4	589145	5.141	537968	6.172	110	50 - 200	-1.0310	+/-0.50	
Naphthalene-d8	1781920	6.632	1642233	7.653	109	50 - 200	-1.0210	+/-0.50	
Acenaphthene-d10	885649	8.729	783714	9.779	113	50 - 200	-1.0500	+/-0.50	
Phenanthrene-d10	1236332	10.504	1089157	11.597	114	50 - 200	-1.0930	+/-0.50	
Chrysene-d12	824474	13.683	993474	14.84	83	50 - 200	-1.1570	+/-0.50	
Perylene-d12	577644	15.309	932715	16.597	62	50 - 200	-1.2880	+/-0.50	
Blank (1D08005-BLK1)			Lab File ID: D08005B1.D			Analyzed: 04/10/11 07:16			
1,4-Dichlorobenzene-d4	522820	5.14	589145	5.141	89	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	1526027	6.623	1781920	6.632	86	50 - 200	-0.0090	+/-0.50	
Acenaphthene-d10	753666	8.72	885649	8.729	85	50 - 200	-0.0090	+/-0.50	
Phenanthrene-d10	1150624	10.491	1236332	10.504	93	50 - 200	-0.0130	+/-0.50	
Chrysene-d12	730670	13.674	824474	13.683	89	50 - 200	-0.0090	+/-0.50	
Perylene-d12	455369	15.306	577644	15.309	79	50 - 200	-0.0030	+/-0.50	
LCS (1D08005-BS1)			Lab File ID: D08005L1.D			Analyzed: 04/10/11 07:45			
1,4-Dichlorobenzene-d4	478786	5.142	589145	5.141	81	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	1312124	6.624	1781920	6.632	74	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	650280	8.72	885649	8.729	73	50 - 200	-0.0090	+/-0.50	
Phenanthrene-d10	947785	10.495	1236332	10.504	77	50 - 200	-0.0090	+/-0.50	
Chrysene-d12	713022	13.676	824474	13.683	86	50 - 200	-0.0070	+/-0.50	
Perylene-d12	394155	15.31	577644	15.309	68	50 - 200	0.0010	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D10213	Instrument:	MS-BNA1
		Calibration:	1032006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1D10213-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 04/11/11 13:37			
1,4-Dichlorobenzene-d4	602767	5.132	537968	6.172	112	50 - 200	-1.0400	+/-0.50	
Naphthalene-d8	1870131	6.616	1642233	7.653	114	50 - 200	-1.0370	+/-0.50	
Acenaphthene-d10	917197	8.71	783714	9.779	117	50 - 200	-1.0690	+/-0.50	
Phenanthrene-d10	1235190	10.485	1089157	11.597	113	50 - 200	-1.1120	+/-0.50	
Chrysene-d12	1132456	13.66	993474	14.84	114	50 - 200	-1.1800	+/-0.50	
Perylene-d12	840852	15.285	932715	16.597	90	50 - 200	-1.3120	+/-0.50	
GW0047 (1104024-01)			Lab File ID: 0402401.D			Analyzed: 04/11/11 22:08			
1,4-Dichlorobenzene-d4	627426	5.129	602767	5.132	104	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	1777848	6.611	1870131	6.616	95	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	817786	8.706	917197	8.71	89	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	1148148	10.479	1235190	10.485	93	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	984069	13.648	1132456	13.66	87	50 - 200	-0.0120	+/-0.50	
Perylene-d12	656370	15.281	840852	15.285	78	50 - 200	-0.0040	+/-0.50	
GW0069 (1104024-03)			Lab File ID: 0402403.D			Analyzed: 04/11/11 22:36			
1,4-Dichlorobenzene-d4	458225	5.127	602767	5.132	76	50 - 200	-0.0050	+/-0.50	
Naphthalene-d8	1402446	6.611	1870131	6.616	75	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	705749	8.701	917197	8.71	77	50 - 200	-0.0090	+/-0.50	
Phenanthrene-d10	973385	10.479	1235190	10.485	79	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	734821	13.651	1132456	13.66	65	50 - 200	-0.0090	+/-0.50	
Perylene-d12	506956	15.278	840852	15.285	60	50 - 200	-0.0070	+/-0.50	
GW0040 (1104061-01)			Lab File ID: 0406101.D			Analyzed: 04/11/11 23:33			
1,4-Dichlorobenzene-d4	590668	5.128	602767	5.132	98	50 - 200	-0.0040	+/-0.50	
Naphthalene-d8	1803235	6.607	1870131	6.616	96	50 - 200	-0.0090	+/-0.50	
Acenaphthene-d10	796531	8.699	917197	8.71	87	50 - 200	-0.0110	+/-0.50	
Phenanthrene-d10	1028636	10.478	1235190	10.485	83	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	684357	13.649	1132456	13.66	60	50 - 200	-0.0110	+/-0.50	
Perylene-d12	437375	15.281	840852	15.285	52	50 - 200	-0.0040	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D10408	Instrument:	MS-BNA1
		Calibration:	1032006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1D10408-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 04/13/11 15:59			
1,4-Dichlorobenzene-d4	684834	5.07	537968	6.172	127	50 - 200	-1.1020	+/-0.50	
Naphthalene-d8	1964859	6.553	1642233	7.653	120	50 - 200	-1.1000	+/-0.50	
Acenaphthene-d10	1027149	8.644	783714	9.779	131	50 - 200	-1.1350	+/-0.50	
Phenanthrene-d10	1373693	10.42	1089157	11.597	126	50 - 200	-1.1770	+/-0.50	
Chrysene-d12	1161042	13.596	993474	14.84	117	50 - 200	-1.2440	+/-0.50	
Perylene-d12	823806	15.211	932715	16.597	88	50 - 200	-1.3860	+/-0.50	
Blank (1D11005-BLK1)			Lab File ID: D11005B1.D			Analyzed: 04/13/11 17:14			
1,4-Dichlorobenzene-d4	617723	5.068	684834	5.07	90	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	1751673	6.545	1964859	6.553	89	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	803963	8.641	1027149	8.644	78	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	1012876	10.411	1373693	10.42	74	50 - 200	-0.0090	+/-0.50	
Chrysene-d12	739057	13.578	1161042	13.596	64	50 - 200	-0.0180	+/-0.50	
Perylene-d12	553307	15.208	823806	15.211	67	50 - 200	-0.0030	+/-0.50	
LCS (1D11005-BS1)			Lab File ID: D11005L1.D			Analyzed: 04/13/11 17:43			
1,4-Dichlorobenzene-d4	814221	5.074	684834	5.07	119	50 - 200	0.0040	+/-0.50	
Naphthalene-d8	2423610	6.55	1964859	6.553	123	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	1199028	8.647	1027149	8.644	117	50 - 200	0.0030	+/-0.50	
Phenanthrene-d10	1800015	10.413	1373693	10.42	131	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	1382420	13.595	1161042	13.596	119	50 - 200	-0.0010	+/-0.50	
Perylene-d12	884559	15.209	823806	15.211	107	50 - 200	-0.0020	+/-0.50	
LCS Dup (1D11005-BSD1)			Lab File ID: D11005L2.D			Analyzed: 04/13/11 18:12			
1,4-Dichlorobenzene-d4	680764	5.066	684834	5.07	99	50 - 200	-0.0040	+/-0.50	
Naphthalene-d8	2002183	6.549	1964859	6.553	102	50 - 200	-0.0040	+/-0.50	
Acenaphthene-d10	930069	8.645	1027149	8.644	91	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	1357328	10.412	1373693	10.42	99	50 - 200	-0.0080	+/-0.50	
Chrysene-d12	990477	13.589	1161042	13.596	85	50 - 200	-0.0070	+/-0.50	
Perylene-d12	589293	15.209	823806	15.211	72	50 - 200	-0.0020	+/-0.50	
GW0057 (1104086-01)			Lab File ID: 0408601.D			Analyzed: 04/13/11 20:35			
1,4-Dichlorobenzene-d4	802193	5.068	684834	5.07	117	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	2424127	6.547	1964859	6.553	123	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	1241332	8.641	1027149	8.644	121	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	1573684	10.409	1373693	10.42	115	50 - 200	-0.0110	+/-0.50	
Chrysene-d12	1041461	13.585	1161042	13.596	90	50 - 200	-0.0110	+/-0.50	
Perylene-d12	456748	15.205	823806	15.211	55	50 - 200	-0.0060	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D10408	Instrument:	MS-BNA1
		Calibration:	1032006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0071 (1104086-03)			Lab File ID: 0408603.D			Analyzed: 04/13/11 21:03			
1,4-Dichlorobenzene-d4	725537	5.069	684834	5.07	106	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2141088	6.549	1964859	6.553	109	50 - 200	-0.0040	+/-0.50	
Acenaphthene-d10	1087237	8.636	1027149	8.644	106	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	1516292	10.41	1373693	10.42	110	50 - 200	-0.0100	+/-0.50	
Chrysene-d12	892544	13.577	1161042	13.596	77	50 - 200	-0.0190	+/-0.50	
Perylene-d12	509452	15.202	823806	15.211	62	50 - 200	-0.0090	+/-0.50	

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1032006	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	1/26/11_15:40 1/26/11_22:49

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
3,3'-Dichlorobenzidine	5	0.345776	10	0.3735446	20	0.3383405	40	0.4092793	50	0.4022903	60	0.4065189
Acenaphthene												
Acenaphthylene												
Acetophenone	5	1.718495	10	1.63753	20	1.524418	40	1.571136	50	1.546064	60	1.573002
Aniline												
Anthracene												
Atrazine	5	0.1907566	10	0.1974337	20	0.2066576	40	0.208239	50	0.2045953	60	0.2127531
Benzaldehyde	5	1.141413	10	1.160982	20	1.025443	40	1.064124	50	0.9565525	60	0.9552402
Benzidine	5	0.4873597	10	0.5759976	20	0.629192	40	0.6726627	50	0.6711953	60	0.6374861
Benzo(a)anthracene												
Benzo(a)pyrene												
Benzo(b)fluoranthene												
Benzo(g,h,i)perylene												
Benzoic acid												
Benzo(k)fluoranthene												
Benzyl alcohol												
1,1-Biphenyl	5	1.660318	10	1.616332	20	1.415179	40	1.433678	50	1.271071	60	1.516557
4-Bromophenyl-phenylether												
Butylbenzylphthalate												
Caprolactam	5	0.119707	10	0.1253949	20	0.1145069	40	0.1360062	50	0.1337222	60	0.1317621
Carbazole												
4-Chloro-3-methylphenol												
4-Chloroaniline												
Bis(2-chloroethoxy)methane												
Bis(2-chloroethyl)ether												
2,2'-Oxybis-1-chloropropane												
2-Chloronaphthalene												
2-Chlorophenol												
4-Chlorophenyl phenyl ether												
Chrysene												
Dibenz(a,h)anthracene												

INITIAL CALIBRATION DATA

SW8270C

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_007
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Calibration: 1032006
Instrument: MS-BNA1
Matrix: Water
Calibration Dates: 1/26/11_15:40 1/26/11_22:49

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Dibenzofuran												
Di-n-butylphthalate												
1,4-Dichlorobenzene												
1,3-Dichlorobenzene												
1,2-Dichlorobenzene												
2,6-Dichlorophenol	5	0.3378312	10	0.327105	20	0.2967903	40	0.2951475	50	0.3247614	60	0.3152692
2,4-Dichlorophenol												
Diethylphthalate												
2,4-Dimethylphenol												
Dimethyl phthalate												
4,6-Dinitro-2-methylphenol												
2,4-Dinitrophenol												
2,4-Dinitrotoluene												
2,6-Dinitrotoluene												
Di-n-octylphthalate												
1,4-Dioxane	5	0.7076939	10	0.7115041	20	0.6327187	40	0.6201284	50	0.572512	60	0.6466837
1,2-Diphenylhydrazine												
Bis(2-ethylhexyl)phthalate												
Fluoranthene												
Fluorene												
2-Fluorobiphenyl												
2-Fluorophenol												
Hexachlorobenzene												
Hexachlorobutadiene												
Hexachlorocyclopentadiene												
Hexachloroethane												
Indeno(1,2,3-cd)pyrene												
Isophorone												
1-Methylnaphthalene												
2-Methylnaphthalene												
2-Methylphenol												

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1032006	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	1/26/11_15:40 1/26/11_22:49

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
3+4-Methylphenol												
Naphthalene												
4-Nitroaniline												
3-Nitroaniline												
2-Nitroaniline												
Nitrobenzene												
Nitrobenzene-d5												
4-Nitrophenol												
2-Nitrophenol												
N-Nitrosodimethylamine												
N-Nitrosodiphenylamine												
N-Nitroso-di-n-propylamine												
Pentachlorophenol												
Phenanthrene												
Phenol												
Phenol-d6												
Pyrene												
Pyridine												
Terphenyl-d14												
1,2,4,5-Tetrachlorobenzene	5	0.3041409	10	0.2738675	20	0.2545837	40	0.3138555	50	0.3096277	60	0.285836
2,3,4,6-Tetrachlorophenol												
2,4,6-Tribromophenol												
1,2,4-Trichlorobenzene												
2,4,6-Trichlorophenol												
2,4,5-Trichlorophenol												

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1032006	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	1/26/11 15:40 1/26/11 22:49

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
3,3'-Dichlorobenzidine	80	0.4043308	100	0.3922965								
Acenaphthene					5	1.220878	10	1.118627	20	1.212567	40	1.085046
Acenaphthylene					5	1.94982	10	2.146404	20	1.823227	40	1.68579
Acetophenone	80	1.455533	100	1.415772								
Aniline					5	2.02499	10	2.162058	20	1.966631	40	2.001997
Anthracene					5	1.184955	10	1.081563	20	1.164455	40	1.091871
Atrazine	80	0.205928	100	0.2134976								
Benzaldehyde	80	0.9441259	100	0.8525288								
Benzidine	80	0.6973172	100	0.6804112								
Benzo(a)anthracene					5	1.162396	10	1.11186	20	1.213411	40	1.172758
Benzo(a)pyrene					5	1.028759	10	0.9828043	20	1.100819	40	1.122026
Benzo(b)fluoranthene					5	1.077629	10	1.039558	20	1.096949	40	1.152977
Benzo(g,h,i)perylene					5	0.8224602	10	0.7987842	20	0.8059861	40	0.7816645
Benzoic acid					5	0.1331081	10	0.1669506	20	0.2293678	40	0.2308795
Benzo(k)fluoranthene					5	1.29056	10	1.251448	20	1.316401	40	1.277549
Benzyl alcohol					5	0.8918595	10	0.9057471	20	0.8810121	40	0.8683949
1,1-Biphenyl	80	1.359401	100	1.268587								
4-Bromophenyl-phenylether					5	0.231972	10	0.2409782	20	0.260483	40	0.2108992
Butylbenzylphthalate					5	0.7540163	10	0.7862457	20	0.8246928	40	0.8176434
Caprolactam	80	0.1321053	100	0.1188764								
Carbazole					5	1.128219	10	1.02969	20	1.000536	40	0.8835432
4-Chloro-3-methylphenol					5	0.310694	10	0.2887984	20	0.2948105	40	0.2876101
4-Chloroaniline					5	0.4857113	10	0.4592316	20	0.4857785	40	0.4309516
Bis(2-chloroethoxy)methane					5	0.5100818	10	0.4912081	20	0.5153237	40	0.445233
Bis(2-chloroethyl)ether					5	1.442472	10	1.590034	20	1.374359	40	1.269574
2,2'-Oxybis-1-chloropropane					5	2.184818	10	2.306427	20	2.189966	40	2.011674
2-Chloronaphthalene					5	1.247416	10	1.208501	20	1.26931	40	1.16149
2-Chlorophenol					5	1.438581	10	1.288788	20	1.365938	40	1.295661
4-Chlorophenyl phenyl ether					5	0.5713084	10	0.574376	20	0.5688825	40	0.5386735
Chrysene					5	1.181379	10	1.170608	20	1.189425	40	1.176048
Dibenz(a,h)anthracene					5	0.7898291	10	0.7836814	20	0.7617359	40	0.8067768

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1032006	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	1/26/11 15:40 1/26/11 22:49

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Dibenzofuran					5	1.576125	10	1.695587	20	1.726036	40	1.527336
Di-n-butylphthalate					5	1.469552	10	1.493537	20	1.485016	40	1.459402
1,4-Dichlorobenzene					5	1.565822	10	1.580467	20	1.482342	40	1.374248
1,3-Dichlorobenzene					5	1.564366	10	1.550635	20	1.466796	40	1.395741
1,2-Dichlorobenzene					5	1.485698	10	1.514043	20	1.430022	40	1.33701
2,6-Dichlorophenol	80	0.3067876	100	0.3061151								
2,4-Dichlorophenol					5	0.318596	10	0.3480627	20	0.326904	40	0.2954511
Diethylphthalate					5	1.66071	10	1.577697	20	1.524236	40	1.261
2,4-Dimethylphenol					5	0.3868736	10	0.3553646	20	0.3612512	40	0.3462765
Dimethyl phthalate					5	1.371102	10	1.473182	20	1.50951	40	1.243328
4,6-Dinitro-2-methylphenol					5	5.478294E-02	10	6.840982E-02	20	0.1071133	40	0.1333907
2,4-Dinitrophenol					5	~~5.062163E-02~~	10	6.237037E-02	20	0.1011521	40	0.1317647
2,4-Dinitrotoluene					5	0.3090174	10	0.3793169	20	0.4185296	40	0.3974313
2,6-Dinitrotoluene					5	0.3183163	10	0.3493131	20	0.3754144	40	0.3444299
Di-n-octylphthalate					5	1.6316	10	1.635798	20	1.910787	40	1.92312
1,4-Dioxane	80	0.6451679	100	0.6224177								
1,2-Diphenylhydrazine					5	0.9580609	10	1.008812	20	0.8802152	40	0.8420501
Bis(2-ethylhexyl)phthalate					5	0.9781605	10	1.042781	20	1.141739	40	1.073501
Fluoranthene					5	1.174554	10	1.119604	20	1.158582	40	1.010021
Fluorene					5	1.293421	10	1.21811	20	1.266726	40	1.122978
2-Fluorobiphenyl					5	1.345385	10	1.322831	20	1.520308	40	1.324401
2-Fluorophenol					10	1.351626	20	1.413124	40	1.336365	80	1.187975
Hexachlorobenzene					5	0.2665323	10	0.2655703	20	0.2697611	40	0.2648784
Hexachlorobutadiene					5	0.2026878	10	0.1856802	20	0.1853857	40	0.1781549
Hexachlorocyclopentadiene					5	0.2904279	10	0.3291612	20	0.3651913	40	0.3514916
Hexachloroethane					5	0.6518942	10	0.6308284	20	0.5940863	40	0.5416978
Indeno(1,2,3-cd)pyrene					5	0.9892853	10	0.9494004	20	0.9327697	40	0.9464554
Isophorone					5	0.8217078	10	0.8399116	20	0.7783914	40	0.749957
1-Methylnaphthalene					5	0.5974456	10	0.5823433	20	0.5405367	40	0.4803757
2-Methylnaphthalene					5	0.5430144	10	0.5513543	20	0.5312456	40	0.4988653
2-Methylphenol					5	1.286482	10	1.250346	20	1.247537	40	1.126521

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1032006	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	1/26/11 15:40 1/26/11 22:49

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
3+4-Methylphenol					5	1.253529	10	1.307357	20	1.301847	40	1.200152
Naphthalene					5	1.116486	10	1.119735	20	1.067584	40	0.9710557
4-Nitroaniline					5	0.2224683	10	0.2128799	20	0.1693595	40	0.2175572
3-Nitroaniline					5	0.3255846	10	0.3423936	20	0.370489	40	0.3366752
2-Nitroaniline					5	0.2654652	10	0.3352421	20	0.3339656	40	0.3505404
Nitrobenzene					5	0.3891568	10	0.4016634	20	0.3673868	40	0.3628202
Nitrobenzene-d5					5	0.3956987	10	0.3972185	20	0.3663041	40	0.3665365
4-Nitrophenol					5	0.1497267	10	0.1860405	20	0.2060501	40	0.1954678
2-Nitrophenol					5	0.2103668	10	0.2175712	20	0.2231657	40	0.2457888
N-Nitrosodimethylamine					5	0.4875362	10	0.5489131	20	0.5766275	40	0.6186587
N-Nitrosodiphenylamine					5	0.692447	10	0.7515103	20	0.7118897	40	0.6351698
N-Nitroso-di-n-propylamine					5	0.9311666	10	0.9269374	20	0.9262252	40	0.819147
Pentachlorophenol					5	0.1241727	10	0.1201355	20	0.1663006	40	0.1612227
Phenanthrene					5	1.200445	10	1.166657	20	1.130055	40	1.056359
Phenol					5	1.751446	10	1.879768	20	1.637272	40	1.637659
Phenol-d6					10	1.647681	20	1.763422	40	1.626008	80	1.603414
Pyrene					5	1.419325	10	1.399579	20	1.383023	40	1.359213
Pyridine					5	1.537536	10	1.635782	20	1.541409	40	1.602552
Terphenyl-d14					5	0.7926602	10	0.8057548	20	0.8474803	40	0.8784666
1,2,4,5-Tetrachlorobenzene	80	0.2829317	100	0.2756055								
2,3,4,6-Tetrachlorophenol					5	0.2994616	10	0.3272414	20	0.3682806	40	0.3554998
2,4,6-Tribromophenol					10	0.1431756	20	0.1442165	40	0.1561332	80	0.1413181
1,2,4-Trichlorobenzene					5	0.3682245	10	0.3577617	20	0.3747519	40	0.3449513
2,4,6-Trichlorophenol					5	0.3758167	10	0.3963889	20	0.4193174	40	0.4066011
2,4,5-Trichlorophenol					5	0.4069373	10	0.4358068	20	0.4686353	40	0.4421245

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1032006	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	1/26/11 15:40 1/26/11 22:49

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
3,3'-Dichlorobenzidine												
Acenaphthene	50	1.043914	60	1.052242	80	1.018418	100	0.9095531				
Acenaphthylene	50	1.661411	60	1.69419	80	1.475834	100	1.517921				
Acetophenone												
Aniline	50	1.898633	60	1.897488	80	1.838443	100	1.811652				
Anthracene	50	1.040675	60	0.9601388	80	0.986327	100	0.9420685				
Atrazine												
Benzaldehyde												
Benzidine												
Benzo(a)anthracene	50	1.123439	60	1.17446	80	1.085961	100	1.065421				
Benzo(a)pyrene	50	1.01213	60	1.049306	80	1.049837	100	1.00649				
Benzo(b)fluoranthene	50	1.139324	60	1.106174	80	1.072877	100	1.114459				
Benzo(g,h,i)perylene	50	0.7444304	60	0.6702291	80	0.781589	100	0.6663042				
Benzoic acid	50	0.2778284	60	0.2809271	80	0.2779468	100	0.2820542				
Benzo(k)fluoranthene	50	1.091518	60	1.245353	80	1.178262	100	1.066763				
Benzyl alcohol	50	0.8673854	60	0.8174535	80	0.7987832	100	0.7636324				
1,1-Biphenyl												
4-Bromophenyl-phenylether	50	0.239031	60	0.2319426	80	0.2214796	100	0.2055715				
Butylbenzylphthalate	50	0.7199546	60	0.8287041	80	0.732991	100	0.6918112				
Caprolactam												
Carbazole	50	0.8901069	60	0.8548234	80	0.7878224	100	0.7760328				
4-Chloro-3-methylphenol	50	0.2892545	60	0.2792311	80	0.2602546	100	0.2512146				
4-Chloroaniline	50	0.4412442	60	0.4082374	80	0.4006734	100	0.4141308				
Bis(2-chloroethoxy)methane	50	0.4453259	60	0.4436365	80	0.4141729	100	0.4082329				
Bis(2-chloroethyl)ether	50	1.300273	60	1.297892	80	1.290856	100	1.209098				
2,2'-Oxybis-1-chloropropane	50	1.717134	60	1.712654	80	1.555193	100	1.808949				
2-Chloronaphthalene	50	1.088393	60	1.064578	80	1.019875	100	1.06234				
2-Chlorophenol	50	1.283665	60	1.204709	80	1.275381	100	1.260114				
4-Chlorophenyl phenyl ether	50	0.5253523	60	0.5281174	80	0.5055696	100	0.4550214				
Chrysene	50	1.091368	60	1.142452	80	1.03431	100	0.996392				
Dibenz(a,h)anthracene	50	0.7553903	60	0.6819198	80	0.8216482	100	0.7302443				

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_007
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Calibration: 1032006
Instrument: MS-BNA1
Matrix: Water
Calibration Dates: 1/26/11 15:40 1/26/11 22:49

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Dibenzofuran	50	1.475582	60	1.426709	80	1.272312	100	1.282609				
Di-n-butylphthalate	50	1.385354	60	1.243875	80	1.25377	100	1.212919				
1,4-Dichlorobenzene	50	1.327094	60	1.312307	80	1.202188	100	1.192058				
1,3-Dichlorobenzene	50	1.410471	60	1.324776	80	1.268259	100	1.304134				
1,2-Dichlorobenzene	50	1.283084	60	1.19311	80	1.152838	100	1.120647				
2,6-Dichlorophenol												
2,4-Dichlorophenol	50	0.3200354	60	0.319605	80	0.3094633	100	0.3044136				
Diethylphthalate	50	1.233003	60	1.223311	80	1.164583	100	1.135723				
2,4-Dimethylphenol	50	0.3329041	60	0.3471536	80	0.310377	100	0.2939744				
Dimethyl phthalate	50	1.313868	60	1.251818	80	1.246383	100	1.163514				
4,6-Dinitro-2-methylphenol	50	0.1503998	60	0.1421705	80	0.141276	100	0.1458094				
2,4-Dinitrophenol	50	0.1515695	60	0.1605612	80	0.1730286	100	0.1784883				
2,4-Dinitrotoluene	50	0.3875191	60	0.3787391	80	0.3429866	100	0.3779481				
2,6-Dinitrotoluene	50	0.3554451	60	0.3624102	80	0.3355308	100	0.3457358				
Di-n-octylphthalate	50	1.690144	60	1.92358	80	1.727296	100	1.901108				
1,4-Dioxane												
1,2-Diphenylhydrazine	50	0.8308116	60	0.7998217	80	0.7293861	100	0.6287272				
Bis(2-ethylhexyl)phthalate	50	1.024078	60	1.086512	80	0.9241547	100	0.9297745				
Fluoranthene	50	1.108267	60	1.002067	80	1.007233	100	1.002433				
Fluorene	50	1.117687	60	1.11628	80	1.079617	100	0.961522				
2-Fluorobiphenyl	50	1.225178	60	1.232052	80	1.237633	100	1.19141				
2-Fluorophenol	100	1.20463	120	1.147633	160	1.052205	200	1.104915				
Hexachlorobenzene	50	0.2590678	60	0.2544472	80	0.2593156	100	0.2389274				
Hexachlorobutadiene	50	0.170282	60	0.1647461	80	0.1585373	100	0.1651874				
Hexachlorocyclopentadiene	50	0.367711	60	0.3489062	80	0.3745824	100	0.3733203				
Hexachloroethane	50	0.5772956	60	0.5438372	80	0.5195182	100	0.5209373				
Indeno(1,2,3-cd)pyrene	50	0.9040208	60	0.8189074	80	0.9751703	100	0.8667418				
Isophorone	50	0.7902478	60	0.746112	80	0.7366049	100	0.7091168				
1-Methylnaphthalene	50	0.4934924	60	0.4820733	80	0.4428706	100	0.4445212				
2-Methylnaphthalene	50	0.4906804	60	0.4548918	80	0.4483581	100	0.4288413				
2-Methylphenol	50	1.096435	60	1.008644	80	1.011912	100	1.054777				

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1032006	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	1/26/11 15:40 1/26/11 22:49

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
3+4-Methylphenol	50	1.183712	60	1.087107	80	1.08938	100	1.065014				
Naphthalene	50	0.9156539	60	0.8994825	80	0.803674	100	0.8087121				
4-Nitroaniline	50	0.2554806	60	0.2397759	80	0.265351	100	0.2644746				
3-Nitroaniline	50	0.3401997	60	0.3519287	80	0.3683457	100	0.3506128				
2-Nitroaniline	50	0.3128571	60	0.3442502	80	0.3309131	100	0.3278767				
Nitrobenzene	50	0.3639734	60	0.3552985	80	0.316403	100	0.3115827				
Nitrobenzene-d5	50	0.3848744	60	0.3536817	80	0.3468868	100	0.3422753				
4-Nitrophenol	50	0.2163265	60	0.210757	80	0.2207467	100	0.1969781				
2-Nitrophenol	50	0.2287002	60	0.2342643	80	0.2149201	100	0.2181142				
N-Nitrosodimethylamine	50	0.5975275	60	0.5849924	80	0.5484751	100	0.6183085				
N-Nitrosodiphenylamine	50	0.6608435	60	0.6252076	80	0.6238943	100	0.5782682				
N-Nitroso-di-n-propylamine	50	0.8173453	60	0.7504894	80	0.7585171	100	0.743702				
Pentachlorophenol	50	0.1801354	60	0.1769821	80	0.1807552	100	0.1820394				
Phenanthrene	50	1.059757	60	0.986977	80	0.9344506	100	0.9248322				
Phenol	50	1.575537	60	1.559301	80	1.423146	100	1.454171				
Phenol-d6	100	1.524433	120	1.494738	160	1.34971	200	1.445646				
Pyrene	50	1.24653	60	1.29918	80	1.21817	100	1.066224				
Pyridine	50	1.575985	60	1.509723	80	1.577055	100	1.61602				
Terphenyl-d14	50	0.8111087	60	0.848248	80	0.7819749	100	0.7308348				
1,2,4,5-Tetrachlorobenzene												
2,3,4,6-Tetrachlorophenol	50	0.3512989	60	0.3437278	80	0.317592	100	0.3289565				
2,4,6-Tribromophenol	100	0.1487108	120	0.1437723	160	0.1452231	200	0.1366756				
1,2,4-Trichlorobenzene	50	0.3420562	60	0.3493295	80	0.3106524	100	0.3076826				
2,4,6-Trichlorophenol	50	0.3828678	60	0.38452	80	0.4245115	100	0.4173965				
2,4,5-Trichlorophenol	50	0.4433099	60	0.420189	80	0.429527	100	0.4083834				

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1032006	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	1/26/11 15:40 1/26/11 22:49

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
3,3'-Dichlorobenzidine	0.3840471	7.376638	14.80975	2.744989E-02			15	
Acenaphthene	1.082656	9.483861	9.821625	5.657461E-02			CCC (30)	
Acenaphthylene	1.744325	12.75083	9.605125	6.858755E-02			15	
Acetophenone	1.555244	6.168212	6.634375	7.218448E-02			15	
Aniline	1.950237	5.831973	5.807375	0.1033171			15	
Anthracene	1.056507	8.585155	11.68625	5.730172E-02			15	
Atrazine	0.2049826	3.718523	11.27987	9.895935E-02			15	
Benzaldehyde	1.012551	10.43666	5.684375	9.183361E-02			15	
Benzidine	0.6314527	11.01948	13.25575	3.711405E-02			15	
Benzo(a)anthracene	1.138713	4.414255	14.83125	3.720446E-02			15	
Benzo(a)pyrene	1.044021	4.547513	16.52988	3.873379E-02			CCC (30)	
Benzo(b)fluoranthene	1.099993	3.348838	16.14687	3.650013E-02			15	
Benzo(g,h,i)perylene	0.758931	7.956935	18.3315	6.411751E-02			15	
Benzoic acid	0.2348828	24.43774	7.4215	0.7447993	0.9967614		0.995	
Benzo(k)fluoranthene	1.214732	7.667493	16.18175	5.256876E-02			15	
Benzyl alcohol	0.8492835	5.904117	6.339625	0.134646			15	
1,1-Biphenyl	1.44264	10.16426	9.0865	7.580724E-02			15	
4-Bromophenyl-phenylether	0.2302946	7.64967	11.058	3.698206E-02			15	
Butylbenzylphthalate	0.7695074	6.808174	14.17538	0.0181131			15	
Caprolactam	0.1265101	6.344437	8.16975	0.2428858			15	
Carbazole	0.9188467	13.42596	11.88687	4.735667E-02			15	
4-Chloro-3-methylphenol	0.2827335	6.739682	8.335875	5.589678E-02			CCC (30)	
4-Chloroaniline	0.4407449	7.602189	7.752375	5.839612E-02			15	
Bis(2-chloroethoxy)methane	0.4591519	9.024322	7.3845	9.015245E-02			15	
Bis(2-chloroethyl)ether	1.34682	8.949026	5.887375	0.1010167			15	
2,2'-Oxybis-1-chloropropane	1.935852	14.19111	6.495	7.787477E-02			15	
2-Chloronaphthalene	1.140238	8.268771	9.102	5.514584E-02			15	
2-Chlorophenol	1.301605	5.44966	5.93325	0.0640218			15	
4-Chlorophenyl phenyl ether	0.5334126	7.569953	10.46213	3.392237E-02			15	
Chrysene	1.122748	6.577449	14.87787	4.224206E-02			15	
Dibenz(a,h)anthracene	0.7664032	5.859635	17.97362	4.666747E-02			15	
Dibenzofuran	1.497787	11.31125	10.03125	6.286963E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1032006	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	1/26/11 15:40 1/26/11 22:49

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Di-n-butylphthalate	1.375428	8.7109	12.34463	0.0340847			15	
1,4-Dichlorobenzene	1.379566	10.94327	6.191375	6.203767E-02			CCC (30)	
1,3-Dichlorobenzene	1.410647	7.838891	6.106	5.463781E-02			15	
1,2-Dichlorobenzene	1.314556	11.58735	6.360125	4.155267E-02			15	
2,6-Dichlorophenol	0.3137259	4.852462	7.75425	4.420223E-02			15	
2,4-Dichlorophenol	0.3178164	4.983195	7.490125	8.883757E-02			CCC (30)	
Diethylphthalate	1.347533	15.27684	10.34412	9.254366E-02	0.9972915		0.995	
2,4-Dimethylphenol	0.3417719	8.563737	7.26575	0.1065429			15	
Dimethyl phthalate	1.321588	9.153659	9.484625	0.1434108			15	
4,6-Dinitro-2-methylphenol	0.1179191	31.66593	10.527	0.1204279	0.9973104		0.995	
2,4-Dinitrophenol	0.1369907	30.78159	9.873571	9.653076E-02	0.9960785		SPCC (0.05)	
2,4-Dinitrotoluene	0.373936	9.021128	10.03375	9.903814E-02			15	
2,6-Dinitrotoluene	0.3483244	4.936864	9.545375	0.1119241			15	
Di-n-octylphthalate	1.792929	7.459237	15.71263	0.024866			CCC (30)	
1,4-Dioxane	0.6448533	7.152144	3.019375	0.1113753			15	
1,2-Diphenylhydrazine	0.8347356	14.48987	10.65375	4.850528E-02			15	
Bis(2-ethylhexyl)phthalate	1.025088	7.512426	14.90587	0.0193314			15	
Fluoranthene	1.072845	6.98906	13.07425	4.253064E-02			CCC (30)	
Fluorene	1.147043	9.444569	10.45175	5.284617E-02			15	
2-Fluorobiphenyl	1.2999	8.100212	8.967125	3.987571E-02			15	
2-Fluorophenol	1.224809	10.50463	4.742625	0.1316694			15	
Hexachlorobenzene	0.2598125	3.761925	11.1185	4.707497E-02			15	
Hexachlorobutadiene	0.1763327	8.243307	7.8355	4.165048E-02			CCC (30)	
Hexachlorocyclopentadiene	0.350099	8.135736	8.706625	3.605388E-02			SPCC (0.05)	
Hexachloroethane	0.5725119	8.716146	6.7485	3.321397E-02			15	
Indeno(1,2,3-cd)pyrene	0.9228439	6.186788	17.94762	5.505283E-02			15	
Isophorone	0.7715062	5.758819	7.1245	0.1880514			15	
1-Methylnaphthalene	0.5079573	11.64757	8.633	4.208229E-02			15	
2-Methylnaphthalene	0.4934064	9.372333	8.513125	5.344917E-02			15	
2-Methylphenol	1.135332	9.877222	6.461875	0.1007337			15	
3+4-Methylphenol	1.186012	8.228414	6.647625	0.1700502			15	
Naphthalene	0.9627979	13.28902	7.679625	6.733623E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_007	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1032006		Instrument:	MS-BNA1	
Matrix:	Water		Calibration Dates:	1/26/11 15:40	1/26/11 22:49

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
4-Nitroaniline	0.2309184	14.04035	10.48912	0.1289535			15	
3-Nitroaniline	0.3482787	4.427347	9.746125	0.1226337			15	
2-Nitroaniline	0.3251388	8.173008	9.237625	6.849578E-02			15	
Nitrobenzene	0.3585356	8.765722	6.833875	0.1095103			15	
Nitrobenzene-d5	0.3691845	5.802246	6.809875	9.945623E-02			15	
4-Nitrophenol	0.1977617	11.40524	9.955125	0.1174457			SPCC (0.05)	
2-Nitrophenol	0.2241114	5.190145	7.205375	6.189121E-02			CCC (30)	
N-Nitrosodimethylamine	0.5726299	7.635147	3.346125	0.1829083			15	
N-Nitrosodiphenylamine	0.6599038	8.482011	10.61075	6.517892E-02			CCC (30)	
N-Nitroso-di-n-propylamine	0.8341912	9.917143	6.653625	0.1894353			SPCC (0.05)	
Pentachlorophenol	0.1614679	15.71491	11.36463	3.521819E-02	0.9986717		CCC (30)	
Phenanthrene	1.057442	9.810503	11.62413	4.673016E-02			15	
Phenol	1.614787	9.276235	5.7815	0.2208323			CCC (30)	
Phenol-d6	1.556882	8.341379	5.768125	0.2252886			15	
Pyrene	1.298906	9.144153	13.35137	4.721813E-02			15	
Pyridine	1.574508	2.729928	3.381875	0.3664935			15	
Terphenyl-d14	0.812066	5.680172	13.56038	3.188842E-02			15	
1,2,4,5-Tetrachlorobenzene	0.2875561	7.072892	8.715	4.094783E-02			15	
2,3,4,6-Tetrachlorophenol	0.3365073	6.658431	10.18512	5.841319E-02			15	
2,4,6-Tribromophenol	0.1449031	3.921225	10.74725	8.448053E-02			15	
1,2,4-Trichlorobenzene	0.3444263	7.098695	7.588375	0.0361532			15	
2,4,6-Trichlorophenol	0.4009275	4.66083	8.857625	4.361742E-02			CCC (30)	
2,4,5-Trichlorophenol	0.4318641	4.727981	8.89625	5.449523E-02			15	

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1032006
Lab File ID:	SEQ-ICV1.D	Calibration Date:	01/26/11 15:40
Sequence:	1B03208	Injection Date:	01/26/11
Lab Sample ID:	1B03208-ICV1	Injection Time:	23:17

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acenaphthene	A	50.00	48.86	1.082656	1.057895		-2.3	20
Acenaphthylene	A	50.00	53.91	1.744325	1.88061		7.8	20
Anthracene	A	50.00	54.49	1.056507	1.151439		9.0	20
Benzo(a)anthracene	A	50.00	48.79	1.138713	1.111173		-2.4	20
Benzo(a)pyrene	A	50.00	51.01	1.044021	1.065141		2.0	20
Benzo(b)fluoranthene	A	50.00	53.46	1.099993	1.176117		6.9	20
Benzo(g,h,i)perylene	A	50.00	48.22	0.758931	0.7319486		-3.6	20
Benzoic acid	L	50.00	49.49	0.2348828	0.2661538		-1.0	20
Benzo(k)fluoranthene	A	50.00	51.57	1.214732	1.252919		3.1	20
4-Bromophenyl-phenylether	A	50.00	50.34	0.2302946	0.2318677		0.7	20
Butylbenzylphthalate	A	50.00	48.50	0.7695074	0.7463976		-3.0	20
Carbazole	A	50.00	49.83	0.9188467	0.9156435		-0.3	20
4-Chloro-3-methylphenol	A	50.00	48.88	0.2827335	0.2763814		-2.2	20
4-Chloroaniline	A	50.00	48.88	0.4407449	0.4308957		-2.2	20
Bis(2-chloroethoxy)methane	A	50.00	48.87	0.4591519	0.4488008		-2.3	20
Bis(2-chloroethyl)ether	A	50.00	51.95	1.34682	1.39927		3.9	20
2,2'-Oxybis-1-chloropropane	A	50.00	52.78	1.935852	2.04349		5.6	20
2-Chloronaphthalene	A	50.00	54.43	1.140238	1.241253		8.9	20
2-Chlorophenol	A	50.00	55.87	1.301605	1.45441		11.7	20
4-Chlorophenyl phenyl ether	A	50.00	53.91	0.5334126	0.5751643		7.8	20
Chrysene	A	50.00	49.81	1.122748	1.118473		-0.4	20
Dibenz(a,h)anthracene	A	50.00	51.54	0.7664032	0.7899782		3.1	20
Dibenzofuran	A	50.00	53.13	1.497787	1.591559		6.3	20
Di-n-butylphthalate	A	50.00	53.06	1.375428	1.459543		6.1	20
2,4-Dichlorophenol	A	50.00	50.78	0.3178164	0.3228019		1.6	20
2,4-Dimethylphenol	A	50.00	53.12	0.3417719	0.363117		6.2	20
Dimethyl phthalate	A	50.00	46.62	1.321588	1.232204		-6.8	20
4,6-Dinitro-2-methylphenol	L	50.00	57.23	0.1179191	0.1614366		14.5	20
2,4-Dinitrotoluene	A	50.00	56.52	0.373936	0.4227034		13.0	20

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1032006
Lab File ID:	SEQ-ICV1.D	Calibration Date:	01/26/11 15:40
Sequence:	1B03208	Injection Date:	01/26/11
Lab Sample ID:	1B03208-ICV1	Injection Time:	23:17

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
2,6-Dinitrotoluene	A	50.00	56.02	0.3483244	0.3902734		12.0	20
Di-n-octylphthalate	A	50.00	54.25	1.792929	1.945241		8.5	20
1,2-Diphenylhydrazine	A	50.00	55.94	0.8347356	0.9339785		11.9	20
Bis(2-ethylhexyl)phthalate	A	50.00	48.68	1.025088	0.9980238		-2.6	20
Fluoranthene	A	50.00	53.77	1.072845	1.153832		7.5	20
Fluorene	A	50.00	54.89	1.147043	1.25925		9.8	20
Hexachlorobenzene	A	50.00	52.99	0.2598125	0.2753324		6.0	20
Hexachlorobutadiene	A	50.00	50.82	0.1763327	0.1792089		1.6	20
Hexachlorocyclopentadiene	A	50.00	53.52	0.350099	0.3747613	0.05	7.0	20
Hexachloroethane	A	50.00	51.75	0.5725119	0.5925988		3.5	20
Indeno(1,2,3-cd)pyrene	A	50.00	50.45	0.9228439	0.9311681		0.9	20
Isophorone	A	50.00	44.69	0.7715062	0.6895249		-10.6	20
1-Methylnaphthalene	A	50.00	47.14	0.5079573	0.4789479		-5.7	20
2-Methylnaphthalene	A	50.00	47.28	0.4934064	0.4665976		-5.4	20
2-Methylphenol	A	50.00	55.42	1.135332	1.258309		10.8	20
3+4-Methylphenol	A	50.00	48.86	1.186012	1.158893		-2.3	20
3-Nitroaniline	A	50.00	56.90	0.3482787	0.3963161		13.8	20
2-Nitroaniline	A	50.00	53.24	0.3251388	0.3462363		6.5	20
Nitrobenzene	A	50.00	45.58	0.3585356	0.3268608		-8.8	20
4-Nitrophenol	A	50.00	55.39	0.1977617	0.2190963	0.05	10.8	20
2-Nitrophenol	A	50.00	54.79	0.2241114	0.2455745		9.6	20
N-Nitrosodiphenylamine	A	50.00	56.39	0.6599038	0.7442938		12.8	20
N-Nitroso-di-n-propylamine	A	50.00	49.68	0.8341912	0.8288013	0.05	-0.6	20
Phenanthrene	A	50.00	56.16	1.057442	1.187789		12.3	20
Phenol	A	50.00	56.47	1.614787	1.823722		12.9	20
Pyrene	A	50.00	48.44	1.298906	1.258473		-3.1	20
2,4,6-Trichlorophenol	A	50.00	54.97	0.4009275	0.440817		9.9	20
2,4,5-Trichlorophenol	A	50.00	53.87	0.4318641	0.4652694		7.7	20
2-Fluorobiphenyl	A	50.00	56.18	1.2999	1.460568		12.4	20

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1032006
Lab File ID:	SEQ-ICV1.D	Calibration Date:	01/26/11 15:40
Sequence:	1B03208	Injection Date:	01/26/11
Lab Sample ID:	1B03208-ICV1	Injection Time:	23:17

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
2-Fluorophenol	A	100.0	113.8	1.224809	1.394017		13.8	20
Nitrobenzene-d5	A	50.00	51.69	0.3691845	0.3816462		3.4	20
Terphenyl-d14	A	50.00	45.39	0.812066	0.7371136		-9.2	20
2,4,6-Tribromophenol	A	100.0	118.8	0.1449031	0.1721949		18.8	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1032006
Lab File ID:	SEQ-ICV2.D	Calibration Date:	01/26/11 15:40
Sequence:	1B03208	Injection Date:	01/26/11
Lab Sample ID:	1B03208-ICV2	Injection Time:	23:45

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
3,3'-Dichlorobenzidine	A	50.00	51.60	0.3840471	0.3963298		3.2	20
Acetophenone	A	50.00	51.76	1.555244	1.609954		3.5	20
Atrazine	A	50.00	52.28	0.2049826	0.214327		4.6	20
Benzaldehyde	A	50.00	43.46	1.012551	0.8801513		-13.1	20
Benzidine	A	50.00	50.30	0.6314527	0.6352446		0.6	20
1,1-Biphenyl	A	50.00	55.15	1.44264	1.591358		10.3	20
Caprolactam	A	50.00	55.66	0.1265101	0.1408405		11.3	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1032006
Lab File ID:	SEQ-ICV3.D	Calibration Date:	01/26/11 15:40
Sequence:	1B03208	Injection Date:	01/27/11
Lab Sample ID:	1B03208-ICV3	Injection Time:	00:13

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Diethylphthalate	L	50.00	48.25	1.347533	1.174754		-3.5	20
2,4-Dinitrophenol	L	50.00	57.52	0.1369907	0.1861539	0.05	15.0	20
Pentachlorophenol	L	50.00	58.37	0.1614679	0.2074009		16.7	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1032006
Lab File ID:	SEQ-ICV4.D	Calibration Date:	01/26/11 15:40
Sequence:	1B03208	Injection Date:	01/28/11
Lab Sample ID:	1B03208-ICV4	Injection Time:	10:25

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
4-Nitroaniline	A	50.00	42.68	0.2309184	0.1971107		-14.6	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1032006
Lab File ID:	SEQ-CCV1.D	Calibration Date:	01/26/11 15:40
Sequence:	1D10111	Injection Date:	04/08/11
Lab Sample ID:	1D10111-CCV1	Injection Time:	12:50

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
3,3'-Dichlorobenzidine	A	50.00	51.18	0.3840471	0.3931386		2.4	20
Acenaphthene	A	50.00	48.56	1.082656	1.051533		-2.9	20
Acenaphthylene	A	50.00	53.66	1.744325	1.871981		7.3	20
Acetophenone	A	50.00	45.94	1.555244	1.428802		-8.1	20
Anthracene	A	50.00	50.40	1.056507	1.06505		0.8	20
Atrazine	A	50.00	49.37	0.2049826	0.2024062		-1.3	20
Benzaldehyde	A	50.00	36.39	1.012551	0.7369219		-27.2	20 *
Benzidine	A	50.00	55.52	0.6314527	0.7011211		11.0	20
Benzo(a)anthracene	A	50.00	48.85	1.138713	1.112512		-2.3	20
Benzo(a)pyrene	A	50.00	55.49	1.044021	1.158617		11.0	20
Benzo(b)fluoranthene	A	50.00	59.76	1.099993	1.31481		19.5	20
Benzo(g,h,i)perylene	A	50.00	67.01	0.758931	1.017123		34.0	20 *
Benzoic acid	L	50.00	51.54	0.2348828	0.2782578		3.1	20
Benzo(k)fluoranthene	A	50.00	53.64	1.214732	1.303084		7.3	20
1,1-Biphenyl	A	50.00	47.43	1.44264	1.36853		-5.1	20
4-Bromophenyl-phenylether	A	50.00	47.13	0.2302946	0.2170786		-5.7	20
Butylbenzylphthalate	A	50.00	47.19	0.7695074	0.7262604		-5.6	20
Caprolactam	A	50.00	41.89	0.1265101	0.1059913		-16.2	20
Carbazole	A	50.00	53.71	0.9188467	0.9870028		7.4	20
4-Chloro-3-methylphenol	A	50.00	50.41	0.2827335	0.2850741		0.8	20
4-Chloroaniline	A	50.00	43.58	0.4407449	0.3841392		-12.8	20
Bis(2-chloroethoxy)methane	A	50.00	49.92	0.4591519	0.4583712		-0.2	20
Bis(2-chloroethyl)ether	A	50.00	46.63	1.34682	1.256072		-6.7	20
2,2'-Oxybis-1-chloropropane	A	50.00	44.07	1.935852	1.706207		-11.9	20
2-Chloronaphthalene	A	50.00	67.37	1.140238	1.536285		34.7	20 *
2-Chlorophenol	A	50.00	48.32	1.301605	1.25786		-3.4	20
4-Chlorophenyl phenyl ether	A	50.00	50.72	0.5334126	0.5410561		1.4	20
Chrysene	A	50.00	50.99	1.122748	1.145006		2.0	20
Dibenz(a,h)anthracene	A	50.00	63.51	0.7664032	0.9734599		27.0	20 *

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1032006
Lab File ID:	SEQ-CCV1.D	Calibration Date:	01/26/11 15:40
Sequence:	1D10111	Injection Date:	04/08/11
Lab Sample ID:	1D10111-CCV1	Injection Time:	12:50

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Dibenzofuran	A	50.00	50.57	1.497787	1.514971		1.1	20
Di-n-butylphthalate	A	50.00	53.39	1.375428	1.468769		6.8	20
2,4-Dichlorophenol	A	50.00	49.84	0.3178164	0.3167713		-0.3	20
Diethylphthalate	L	50.00	51.63	1.347533	1.249084		3.3	20
2,4-Dimethylphenol	A	50.00	50.93	0.3417719	0.3481221		1.9	20
Dimethyl phthalate	A	50.00	48.92	1.321588	1.293053		-2.2	20
4,6-Dinitro-2-methylphenol	L	50.00	64.50	0.1179191	0.1836723		29.0	20 *
2,4-Dinitrophenol	L	50.00	64.21	0.1369907	0.2122835	0.05	28.4	20 *
2,4-Dinitrotoluene	A	50.00	58.63	0.373936	0.438487		17.3	20
2,6-Dinitrotoluene	A	50.00	48.81	0.3483244	0.3400053		-2.4	20
Di-n-octylphthalate	A	50.00	47.37	1.792929	1.698516		-5.3	20
1,2-Diphenylhydrazine	A	50.00	56.07	0.8347356	0.9361075		12.1	20
Bis(2-ethylhexyl)phthalate	A	50.00	44.55	1.025088	0.9133577		-10.9	20
Fluoranthene	A	50.00	45.44	1.072845	0.9750168		-9.1	20
Fluorene	A	50.00	52.86	1.147043	1.212756		5.7	20
Hexachlorobenzene	A	50.00	50.55	0.2598125	0.2626667		1.1	20
Hexachlorobutadiene	A	50.00	52.36	0.1763327	0.184657		4.7	20
Hexachlorocyclopentadiene	A	50.00	59.68	0.350099	0.4179059	0.05	19.4	20
Hexachloroethane	A	50.00	52.28	0.5725119	0.5986626		4.6	20
Indeno(1,2,3-cd)pyrene	A	50.00	64.75	0.9228439	1.195112		29.5	20 *
Isophorone	A	50.00	48.06	0.7715062	0.7414973		-3.9	20
1-Methylnaphthalene	A	50.00	45.47	0.5079573	0.461922		-9.1	20
2-Methylnaphthalene	A	50.00	51.56	0.4934064	0.5087551		3.1	20
2-Methylphenol	A	50.00	47.57	1.135332	1.080204		-4.9	20
3+4-Methylphenol	A	50.00	44.07	1.186012	1.045378		-11.9	20
4-Nitroaniline	A	50.00	70.89	0.2309184	0.3273986		41.8	20 *
3-Nitroaniline	A	50.00	57.17	0.3482787	0.3982263		14.3	20
2-Nitroaniline	A	50.00	64.80	0.3251388	0.4213833		29.6	20 *
Nitrobenzene	A	50.00	55.34	0.3585356	0.3968633		10.7	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1032006
Lab File ID:	SEQ-CCV1.D	Calibration Date:	01/26/11 15:40
Sequence:	1D10111	Injection Date:	04/08/11
Lab Sample ID:	1D10111-CCV1	Injection Time:	12:50

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Nitrophenol	A	50.00	63.98	0.1977617	0.2530545	0.05	28.0	20 *
2-Nitrophenol	A	50.00	53.59	0.2241114	0.2402167		7.2	20
N-Nitrosodiphenylamine	A	50.00	48.91	0.6599038	0.6454912		-2.2	20
N-Nitroso-di-n-propylamine	A	50.00	49.90	0.8341912	0.8325271	0.05	-0.2	20
Pentachlorophenol	L	50.00	57.40	0.1614679	0.2037624		14.8	20
Phenanthrene	A	50.00	50.67	1.057442	1.071542		1.3	20
Phenol	A	50.00	45.13	1.614787	1.457529		-9.7	20
Pyrene	A	50.00	50.19	1.298906	1.303852		0.4	20
2,4,6-Trichlorophenol	A	50.00	51.14	0.4009275	0.4100944		2.3	20
2,4,5-Trichlorophenol	A	50.00	50.72	0.4318641	0.4380477		1.4	20
2-Fluorobiphenyl	A	50.00	47.31	1.2999	1.229898		-5.4	20
2-Fluorophenol	A	100.0	105.9	1.224809	1.296815		5.9	20
Nitrobenzene-d5	A	50.00	57.13	0.3691845	0.4218027		14.3	20
Phenol-d6	A	100.0	82.96	1.556882	1.291616		-17.0	20
Terphenyl-d14	A	50.00	43.44	0.812066	0.7055893		-13.1	20
2,4,6-Tribromophenol	A	100.0	112.8	0.1449031	0.1634773		12.8	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1032006
Lab File ID:	SEQ-CCV1.D	Calibration Date:	01/26/11 15:40
Sequence:	1D10112	Injection Date:	04/09/11
Lab Sample ID:	1D10112-CCV1	Injection Time:	17:15

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
3,3'-Dichlorobenzidine	A	50.00	47.79	0.3840471	0.3670608		-4.4	20
Acenaphthene	A	50.00	53.31	1.082656	1.15431		6.6	20
Acenaphthylene	A	50.00	55.33	1.744325	1.930395		10.7	20
Acetophenone	A	50.00	41.23	1.555244	1.282533		-17.5	20
Anthracene	A	50.00	49.78	1.056507	1.051815		-0.4	20
Atrazine	A	50.00	44.94	0.2049826	0.184248		-10.1	20
Benzaldehyde	A	50.00	31.68	1.012551	0.6416049		-36.6	20 *
Benzidine	A	50.00	46.72	0.6314527	0.5900486		-6.6	20
Benzo(a)anthracene	A	50.00	49.41	1.138713	1.125369		-1.2	20
Benzo(a)pyrene	A	50.00	57.46	1.044021	1.19982		14.9	20
Benzo(b)fluoranthene	A	50.00	62.28	1.099993	1.370049		24.6	20 *
Benzo(g,h,i)perylene	A	50.00	60.56	0.758931	0.9192167		21.1	20 *
Benzoic acid	L	50.00	51.72	0.2348828	0.2793345		3.4	20
Benzo(k)fluoranthene	A	50.00	54.44	1.214732	1.32265		8.9	20
1,1-Biphenyl	A	50.00	48.09	1.44264	1.387541		-3.8	20
4-Bromophenyl-phenylether	A	50.00	50.56	0.2302946	0.2328642		1.1	20
Butylbenzylphthalate	A	50.00	47.02	0.7695074	0.7235741		-6.0	20
Caprolactam	A	50.00	44.53	0.1265101	0.112665		-10.9	20
Carbazole	A	50.00	55.03	0.9188467	1.011291		10.1	20
4-Chloro-3-methylphenol	A	50.00	50.82	0.2827335	0.2873647		1.6	20
4-Chloroaniline	A	50.00	47.55	0.4407449	0.4191065		-4.9	20
Bis(2-chloroethoxy)methane	A	50.00	50.89	0.4591519	0.4672896		1.8	20
Bis(2-chloroethyl)ether	A	50.00	49.49	1.34682	1.333109		-1.0	20
2,2'-Oxybis-1-chloropropane	A	50.00	42.49	1.935852	1.645154		-15.0	20
2-Chloronaphthalene	A	50.00	68.40	1.140238	1.559835		36.8	20 *
2-Chlorophenol	A	50.00	52.92	1.301605	1.377655		5.8	20
4-Chlorophenyl phenyl ether	A	50.00	48.50	0.5334126	0.5173619		-3.0	20
Chrysene	A	50.00	48.84	1.122748	1.096702		-2.3	20
Dibenz(a,h)anthracene	A	50.00	60.94	0.7664032	0.9340652		21.9	20 *

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1032006
Lab File ID:	SEQ-CCV1.D	Calibration Date:	01/26/11 15:40
Sequence:	1D10112	Injection Date:	04/09/11
Lab Sample ID:	1D10112-CCV1	Injection Time:	17:15

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Dibenzofuran	A	50.00	51.96	1.497787	1.556363		3.9	20
Di-n-butylphthalate	A	50.00	49.39	1.375428	1.358726		-1.2	20
2,4-Dichlorophenol	A	50.00	51.29	0.3178164	0.3259894		2.6	20
Diethylphthalate	L	50.00	52.08	1.347533	1.258919		4.2	20
2,4-Dimethylphenol	A	50.00	54.17	0.3417719	0.3702844		8.3	20
Dimethyl phthalate	A	50.00	46.11	1.321588	1.218687		-7.8	20
4,6-Dinitro-2-methylphenol	L	50.00	62.86	0.1179191	0.1786717		25.7	20 *
2,4-Dinitrophenol	L	50.00	64.99	0.1369907	0.21533	0.05	30.0	20 *
2,4-Dinitrotoluene	A	50.00	59.67	0.373936	0.4462815		19.3	20
2,6-Dinitrotoluene	A	50.00	50.53	0.3483244	0.3520363		1.1	20
Di-n-octylphthalate	A	50.00	55.54	1.792929	1.991762		11.1	20
1,2-Diphenylhydrazine	A	50.00	56.54	0.8347356	0.9438744		13.1	20
Bis(2-ethylhexyl)phthalate	A	50.00	41.06	1.025088	0.8418009		-17.9	20
Fluoranthene	A	50.00	46.80	1.072845	1.004091		-6.4	20
Fluorene	A	50.00	50.64	1.147043	1.161666		1.3	20
Hexachlorobenzene	A	50.00	51.78	0.2598125	0.269068		3.6	20
Hexachlorobutadiene	A	50.00	52.35	0.1763327	0.1846305		4.7	20
Hexachlorocyclopentadiene	A	50.00	61.85	0.350099	0.4330655	0.05	23.7	20 *
Hexachloroethane	A	50.00	52.03	0.5725119	0.5957482		4.1	20
Indeno(1,2,3-cd)pyrene	A	50.00	59.12	0.9228439	1.091096		18.2	20
Isophorone	A	50.00	45.55	0.7715062	0.7029018		-8.9	20
1-Methylnaphthalene	A	50.00	44.52	0.5079573	0.4522698		-11.0	20
2-Methylnaphthalene	A	50.00	49.14	0.4934064	0.4849397		-1.7	20
2-Methylphenol	A	50.00	44.59	1.135332	1.012454		-10.8	20
3+4-Methylphenol	A	50.00	43.65	1.186012	1.035444		-12.7	20
4-Nitroaniline	A	50.00	69.45	0.2309184	0.3207511		38.9	20 *
3-Nitroaniline	A	50.00	53.92	0.3482787	0.3755536		7.8	20
2-Nitroaniline	A	50.00	71.77	0.3251388	0.4667035		43.5	20 *
Nitrobenzene	A	50.00	51.62	0.3585356	0.3701686		3.2	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1032006
Lab File ID:	SEQ-CCV1.D	Calibration Date:	01/26/11 15:40
Sequence:	1D10112	Injection Date:	04/09/11
Lab Sample ID:	1D10112-CCV1	Injection Time:	17:15

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Nitrophenol	A	50.00	59.33	0.1977617	0.2346494	0.05	18.7	20
2-Nitrophenol	A	50.00	55.76	0.2241114	0.2499264		11.5	20
N-Nitrosodiphenylamine	A	50.00	54.20	0.6599038	0.7153221		8.4	20
N-Nitroso-di-n-propylamine	A	50.00	46.37	0.8341912	0.7736424	0.05	-7.3	20
Pentachlorophenol	L	50.00	52.25	0.1614679	0.1844905		4.5	20
Phenanthrene	A	50.00	48.01	1.057442	1.015451		-4.0	20
Phenol	A	50.00	48.43	1.614787	1.56419		-3.1	20
Pyrene	A	50.00	49.11	1.298906	1.27573		-1.8	20
2,4,6-Trichlorophenol	A	50.00	52.01	0.4009275	0.4170556		4.0	20
2,4,5-Trichlorophenol	A	50.00	51.57	0.4318641	0.4454198		3.1	20
2-Fluorobiphenyl	A	50.00	51.25	1.2999	1.332411		2.5	20
2-Fluorophenol	A	100.0	113.0	1.224809	1.383786		13.0	20
Nitrobenzene-d5	A	50.00	52.92	0.3691845	0.3907309		5.8	20
Phenol-d6	A	100.0	89.16	1.556882	1.388039		-10.8	20
Terphenyl-d14	A	50.00	42.91	0.812066	0.6968541		-14.2	20
2,4,6-Tribromophenol	A	100.0	108.2	0.1449031	0.1568572		8.2	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1032006
Lab File ID:	SEQ-CCV2.D	Calibration Date:	01/26/11 15:40
Sequence:	1D10116	Injection Date:	04/10/11
Lab Sample ID:	1D10116-CCV1	Injection Time:	06:19

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
3,3'-Dichlorobenzidine	A	50.00	52.07	0.3840471	0.3999321		4.1	20	
Acenaphthene	A	50.00	51.09	1.082656	1.106319		2.2	20	
Acenaphthylene	A	50.00	48.34	1.744325	1.686413		-3.3	20	
Acetophenone	A	50.00	45.30	1.555244	1.409079		-9.4	20	
Anthracene	A	50.00	50.23	1.056507	1.061307		0.5	20	
Atrazine	A	50.00	38.88	0.2049826	0.1594103		-22.2	20	*
Benzaldehyde	A	50.00	33.40	1.012551	0.6763659		-33.2	20	*
Benzidine	A	50.00	60.51	0.6314527	0.7641313		21.0	20	*
Benzo(a)anthracene	A	50.00	51.45	1.138713	1.171665		2.9	20	
Benzo(a)pyrene	A	50.00	55.55	1.044021	1.15987		11.1	20	
Benzo(b)fluoranthene	A	50.00	59.94	1.099993	1.318729		19.9	20	
Benzo(g,h,i)perylene	A	50.00	50.59	0.758931	0.7678875		1.2	20	
Benzoic acid	L	50.00	52.83	0.2348828	0.2859195		5.7	20	
Benzo(k)fluoranthene	A	50.00	56.85	1.214732	1.381054		13.7	20	
1,1-Biphenyl	A	50.00	40.15	1.44264	1.158517		-19.7	20	
4-Bromophenyl-phenylether	A	50.00	50.94	0.2302946	0.2346153		1.9	20	
Butylbenzylphthalate	A	50.00	60.68	0.7695074	0.9338444		21.4	20	*
Caprolactam	A	50.00	43.20	0.1265101	0.1093055		-13.6	20	
Carbazole	A	50.00	57.54	0.9188467	1.057438		15.1	20	
4-Chloro-3-methylphenol	A	50.00	51.94	0.2827335	0.2936814		3.9	20	
4-Chloroaniline	A	50.00	45.21	0.4407449	0.3985548		-9.6	20	
Bis(2-chloroethoxy)methane	A	50.00	50.81	0.4591519	0.4665673		1.6	20	
Bis(2-chloroethyl)ether	A	50.00	48.37	1.34682	1.302891		-3.3	20	
2,2'-Oxybis-1-chloropropane	A	50.00	43.89	1.935852	1.699439		-12.2	20	
2-Chloronaphthalene	A	50.00	59.37	1.140238	1.353912		18.7	20	
2-Chlorophenol	A	50.00	51.06	1.301605	1.329186		2.1	20	
4-Chlorophenyl phenyl ether	A	50.00	45.13	0.5334126	0.4814973		-9.7	20	
Chrysene	A	50.00	47.03	1.122748	1.056037		-5.9	20	
Dibenz(a,h)anthracene	A	50.00	54.57	0.7664032	0.8365221		9.1	20	

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1032006
Lab File ID:	SEQ-CCV2.D	Calibration Date:	01/26/11 15:40
Sequence:	1D10116	Injection Date:	04/10/11
Lab Sample ID:	1D10116-CCV1	Injection Time:	06:19

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Dibenzofuran	A	50.00	47.97	1.497787	1.437106		-4.1	20
Di-n-butylphthalate	A	50.00	49.97	1.375428	1.374606		-0.06	20
2,4-Dichlorophenol	A	50.00	49.69	0.3178164	0.3158216		-0.6	20
Diethylphthalate	L	50.00	52.07	1.347533	1.258677		4.1	20
2,4-Dimethylphenol	A	50.00	50.16	0.3417719	0.3428598		0.3	20
Dimethyl phthalate	A	50.00	47.00	1.321588	1.242413		-6.0	20
4,6-Dinitro-2-methylphenol	L	50.00	60.50	0.1179191	0.1714407		21.0	20 *
2,4-Dinitrophenol	L	50.00	59.53	0.1369907	0.1940227	0.05	19.1	20
2,4-Dinitrotoluene	A	50.00	51.74	0.373936	0.3869154		3.5	20
2,6-Dinitrotoluene	A	50.00	47.76	0.3483244	0.3327413		-4.5	20
Di-n-octylphthalate	A	50.00	69.17	1.792929	2.480474		38.3	20 *
1,2-Diphenylhydrazine	A	50.00	61.44	0.8347356	1.025695		22.9	20 *
Bis(2-ethylhexyl)phthalate	A	50.00	54.69	1.025088	1.121325		9.4	20
Fluoranthene	A	50.00	48.57	1.072845	1.042264		-2.9	20
Fluorene	A	50.00	52.68	1.147043	1.208566		5.4	20
Hexachlorobenzene	A	50.00	49.09	0.2598125	0.2550804		-1.8	20
Hexachlorobutadiene	A	50.00	45.91	0.1763327	0.1619256		-8.2	20
Hexachlorocyclopentadiene	A	50.00	44.99	0.350099	0.315016	0.05	-10.0	20
Hexachloroethane	A	50.00	53.08	0.5725119	0.6078313		6.2	20
Indeno(1,2,3-cd)pyrene	A	50.00	55.21	0.9228439	1.018976		10.4	20
Isophorone	A	50.00	48.14	0.7715062	0.7428661		-3.7	20
1-Methylnaphthalene	A	50.00	51.76	0.5079573	0.5258409		3.5	20
2-Methylnaphthalene	A	50.00	50.81	0.4934064	0.5013558		1.6	20
2-Methylphenol	A	50.00	45.95	1.135332	1.043385		-8.1	20
3+4-Methylphenol	A	50.00	46.46	1.186012	1.102078		-7.1	20
4-Nitroaniline	A	50.00	66.83	0.2309184	0.308627		33.7	20 *
3-Nitroaniline	A	50.00	54.70	0.3482787	0.3810268		9.4	20
2-Nitroaniline	A	50.00	66.17	0.3251388	0.4303005		32.3	20 *
Nitrobenzene	A	50.00	50.13	0.3585356	0.3594693		0.3	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1032006
Lab File ID:	SEQ-CCV2.D	Calibration Date:	01/26/11 15:40
Sequence:	1D10116	Injection Date:	04/10/11
Lab Sample ID:	1D10116-CCV1	Injection Time:	06:19

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Nitrophenol	A	50.00	54.44	0.1977617	0.2153088	0.05	8.9	20
2-Nitrophenol	A	50.00	56.04	0.2241114	0.2511884		12.1	20
N-Nitrosodiphenylamine	A	50.00	53.45	0.6599038	0.7053885		6.9	20
N-Nitroso-di-n-propylamine	A	50.00	47.39	0.8341912	0.7906753	0.05	-5.2	20
Pentachlorophenol	L	50.00	54.82	0.1614679	0.1941174		9.6	20
Phenanthrene	A	50.00	46.76	1.057442	0.9889913		-6.5	20
Phenol	A	50.00	45.82	1.614787	1.479777		-8.4	20
Pyrene	A	50.00	55.51	1.298906	1.442027		11.0	20
2,4,6-Trichlorophenol	A	50.00	48.50	0.4009275	0.3888918		-3.0	20
2,4,5-Trichlorophenol	A	50.00	48.71	0.4318641	0.4207184		-2.6	20
2-Fluorobiphenyl	A	50.00	47.71	1.2999	1.240314		-4.6	20
2-Fluorophenol	A	100.0	96.95	1.224809	1.187508		-3.0	20
Nitrobenzene-d5	A	50.00	53.78	0.3691845	0.3970885		7.6	20
Phenol-d6	A	100.0	84.41	1.556882	1.314153		-15.6	20
Terphenyl-d14	A	50.00	57.78	0.812066	0.9384078		15.6	20
2,4,6-Tribromophenol	A	100.0	107.7	0.1449031	0.1560484		7.7	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1032006
Lab File ID:	SEQ-CCV1.D	Calibration Date:	01/26/11 15:40
Sequence:	1D10213	Injection Date:	04/11/11
Lab Sample ID:	1D10213-CCV1	Injection Time:	13:37

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
3,3'-Dichlorobenzidine	A	50.00	53.42	0.3840471	0.4103259		6.8	20
Acenaphthene	A	50.00	52.97	1.082656	1.146944		5.9	20
Acenaphthylene	A	50.00	55.56	1.744325	1.938419		11.1	20
Acetophenone	A	50.00	50.40	1.555244	1.567639		0.8	20
Anthracene	A	50.00	54.97	1.056507	1.16161		9.9	20
Atrazine	A	50.00	44.79	0.2049826	0.1836407		-10.4	20
Benzaldehyde	A	50.00	35.94	1.012551	0.7278872		-28.1	20 *
Benzidine	A	50.00	48.99	0.6314527	0.6186568		-2.0	20
Benzo(a)anthracene	A	50.00	50.15	1.138713	1.142033		0.3	20
Benzo(a)pyrene	A	50.00	59.98	1.044021	1.252506		20.0	20
Benzo(b)fluoranthene	A	50.00	60.87	1.099993	1.339166		21.7	20 *
Benzo(g,h,i)perylene	A	50.00	54.09	0.758931	0.8209664		8.2	20
Benzoic acid	L	50.00	47.84	0.2348828	0.2564676		-4.3	20
Benzo(k)fluoranthene	A	50.00	60.29	1.214732	1.464807		20.6	20 *
1,1-Biphenyl	A	50.00	44.06	1.44264	1.271171		-11.9	20
4-Bromophenyl-phenylether	A	50.00	52.13	0.2302946	0.2400842		4.3	20
Butylbenzylphthalate	A	50.00	49.50	0.7695074	0.7618677		-1.0	20
Caprolactam	A	50.00	44.38	0.1265101	0.1122899		-11.2	20
Carbazole	A	50.00	61.74	0.9188467	1.13456		23.5	20 *
4-Chloro-3-methylphenol	A	50.00	51.14	0.2827335	0.2891588		2.3	20
4-Chloroaniline	A	50.00	45.41	0.4407449	0.4002415		-9.2	20
Bis(2-chloroethoxy)methane	A	50.00	47.88	0.4591519	0.4397121		-4.2	20
Bis(2-chloroethyl)ether	A	50.00	48.51	1.34682	1.306638		-3.0	20
2,2'-Oxybis-1-chloropropane	A	50.00	47.75	1.935852	1.848598		-4.5	20
2-Chloronaphthalene	A	50.00	68.79	1.140238	1.568726		37.6	20 *
2-Chlorophenol	A	50.00	49.07	1.301605	1.277453		-1.9	20
4-Chlorophenyl phenyl ether	A	50.00	50.11	0.5334126	0.534601		0.2	20
Chrysene	A	50.00	52.19	1.122748	1.172016		4.4	20
Dibenz(a,h)anthracene	A	50.00	52.53	0.7664032	0.8051519		5.1	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1032006
Lab File ID:	SEQ-CCV1.D	Calibration Date:	01/26/11 15:40
Sequence:	1D10213	Injection Date:	04/11/11
Lab Sample ID:	1D10213-CCV1	Injection Time:	13:37

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Dibenzofuran	A	50.00	50.36	1.497787	1.508476		0.7	20
Di-n-butylphthalate	A	50.00	59.28	1.375428	1.630753		18.6	20
2,4-Dichlorophenol	A	50.00	48.64	0.3178164	0.3091664		-2.7	20
Diethylphthalate	L	50.00	51.66	1.347533	1.24965		3.3	20
2,4-Dimethylphenol	A	50.00	52.32	0.3417719	0.3576058		4.6	20
Dimethyl phthalate	A	50.00	50.39	1.321588	1.332005		0.8	20
4,6-Dinitro-2-methylphenol	L	50.00	65.02	0.1179191	0.1852865		30.0	20 *
2,4-Dinitrophenol	L	50.00	64.47	0.1369907	0.2133134	0.05	28.9	20 *
2,4-Dinitrotoluene	A	50.00	57.20	0.373936	0.427758		14.4	20
2,6-Dinitrotoluene	A	50.00	53.95	0.3483244	0.3758233		7.9	20
Di-n-octylphthalate	A	50.00	63.65	1.792929	2.282361		27.3	20 *
1,2-Diphenylhydrazine	A	50.00	55.17	0.8347356	0.9211059		10.3	20
Bis(2-ethylhexyl)phthalate	A	50.00	45.89	1.025088	0.9407617		-8.2	20
Fluoranthene	A	50.00	53.90	1.072845	1.156472		7.8	20
Fluorene	A	50.00	51.70	1.147043	1.18606		3.4	20
Hexachlorobenzene	A	50.00	58.73	0.2598125	0.3051864		17.5	20
Hexachlorobutadiene	A	50.00	48.61	0.1763327	0.1714284		-2.8	20
Hexachlorocyclopentadiene	A	50.00	57.62	0.350099	0.4034771	0.05	15.2	20
Hexachloroethane	A	50.00	53.63	0.5725119	0.6141013		7.3	20
Indeno(1,2,3-cd)pyrene	A	50.00	50.45	0.9228439	0.9311831		0.9	20
Isophorone	A	50.00	49.36	0.7715062	0.7615933		-1.3	20
1-Methylnaphthalene	A	50.00	52.37	0.5079573	0.5320765		4.7	20
2-Methylnaphthalene	A	50.00	49.32	0.4934064	0.4867317		-1.4	20
2-Methylphenol	A	50.00	50.96	1.135332	1.157153		1.9	20
3+4-Methylphenol	A	50.00	48.98	1.186012	1.161748		-2.0	20
4-Nitroaniline	A	50.00	71.45	0.2309184	0.3299706		42.9	20 *
3-Nitroaniline	A	50.00	55.00	0.3482787	0.3830898		10.0	20
2-Nitroaniline	A	50.00	72.39	0.3251388	0.4707665		44.8	20 *
Nitrobenzene	A	50.00	52.01	0.3585356	0.37296		4.0	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1032006
Lab File ID:	SEQ-CCV1.D	Calibration Date:	01/26/11 15:40
Sequence:	1D10213	Injection Date:	04/11/11
Lab Sample ID:	1D10213-CCV1	Injection Time:	13:37

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Nitrophenol	A	50.00	55.53	0.1977617	0.2196169	0.05	11.1	20
2-Nitrophenol	A	50.00	55.04	0.2241114	0.24671		10.1	20
N-Nitrosodiphenylamine	A	50.00	54.33	0.6599038	0.7171062		8.7	20
N-Nitroso-di-n-propylamine	A	50.00	55.49	0.8341912	0.9258543	0.05	11.0	20
Pentachlorophenol	L	50.00	58.47	0.1614679	0.2077912		16.9	20
Phenanthrene	A	50.00	50.04	1.057442	1.058211		0.07	20
Phenol	A	50.00	52.07	1.614787	1.681527		4.1	20
Pyrene	A	50.00	53.89	1.298906	1.399938		7.8	20
2,4,6-Trichlorophenol	A	50.00	49.79	0.4009275	0.3992338		-0.4	20
2,4,5-Trichlorophenol	A	50.00	48.36	0.4318641	0.4176943		-3.3	20
2-Fluorobiphenyl	A	50.00	43.32	1.2999	1.1263		-13.4	20
2-Fluorophenol	A	100.0	107.4	1.224809	1.315409		7.4	20
Nitrobenzene-d5	A	50.00	52.87	0.3691845	0.3904039		5.7	20
Phenol-d6	A	100.0	97.22	1.556882	1.51357		-2.8	20
Terphenyl-d14	A	50.00	52.26	0.812066	0.8487154		4.5	20
2,4,6-Tribromophenol	A	100.0	113.6	0.1449031	0.1645998		13.6	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1032006
Lab File ID:	SEQ-CCV1.D	Calibration Date:	01/26/11 15:40
Sequence:	1D10408	Injection Date:	04/13/11
Lab Sample ID:	1D10408-CCV1	Injection Time:	15:59

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
3,3'-Dichlorobenzidine	A	50.00	36.33	0.3840471	0.279059		-27.3	20 *
Acenaphthene	A	50.00	48.19	1.082656	1.043473		-3.6	20
Acenaphthylene	A	50.00	47.85	1.744325	1.669396		-4.3	20
Acetophenone	A	50.00	47.57	1.555244	1.47956		-4.9	20
Anthracene	A	50.00	47.12	1.056507	0.9955569		-5.8	20
Atrazine	A	50.00	48.66	0.2049826	0.199481		-2.7	20
Benzaldehyde	A	50.00	39.45	1.012551	0.7989545		-21.1	20 *
Benzidine	A	50.00	42.11	0.6314527	0.5318057		-15.8	20
Benzo(a)anthracene	A	50.00	47.67	1.138713	1.085572		-4.7	20
Benzo(a)pyrene	A	50.00	51.90	1.044021	1.083674		3.8	20
Benzo(b)fluoranthene	A	50.00	59.70	1.099993	1.31338		19.4	20
Benzo(g,h,i)perylene	A	50.00	52.57	0.758931	0.7980063		5.1	20
Benzoic acid	L	50.00	44.06	0.2348828	0.2341269		-11.9	20
Benzo(k)fluoranthene	A	50.00	55.83	1.214732	1.356446		11.7	20
1,1-Biphenyl	A	50.00	39.18	1.44264	1.130491		-21.6	20 *
4-Bromophenyl-phenylether	A	50.00	52.72	0.2302946	0.2428234		5.4	20
Butylbenzylphthalate	A	50.00	50.66	0.7695074	0.7797003		1.3	20
Caprolactam	A	50.00	46.15	0.1265101	0.1167607		-7.7	20
Carbazole	A	50.00	50.54	0.9188467	0.9287152		1.1	20
4-Chloro-3-methylphenol	A	50.00	54.05	0.2827335	0.3056435		8.1	20
4-Chloroaniline	A	50.00	42.56	0.4407449	0.3751471		-14.9	20
Bis(2-chloroethoxy)methane	A	50.00	50.95	0.4591519	0.467843		1.9	20
Bis(2-chloroethyl)ether	A	50.00	41.13	1.34682	1.10788		-17.7	20
2,2'-Oxybis-1-chloropropane	A	50.00	43.16	1.935852	1.670916		-13.7	20
2-Chloronaphthalene	A	50.00	61.92	1.140238	1.412057		23.8	20 *
2-Chlorophenol	A	50.00	45.58	1.301605	1.186487		-8.8	20
4-Chlorophenyl phenyl ether	A	50.00	51.87	0.5334126	0.5533117		3.7	20
Chrysene	A	50.00	50.08	1.122748	1.124568		0.2	20
Dibenz(a,h)anthracene	A	50.00	50.08	0.7664032	0.7676905		0.2	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1032006
Lab File ID:	SEQ-CCV1.D	Calibration Date:	01/26/11 15:40
Sequence:	1D10408	Injection Date:	04/13/11
Lab Sample ID:	1D10408-CCV1	Injection Time:	15:59

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Dibenzofuran	A	50.00	45.91	1.497787	1.375371		-8.2	20
Di-n-butylphthalate	A	50.00	51.15	1.375428	1.407185		2.3	20
2,4-Dichlorophenol	A	50.00	46.93	0.3178164	0.2982744		-6.1	20
Diethylphthalate	L	50.00	50.86	1.347533	1.232031		1.7	20
2,4-Dimethylphenol	A	50.00	52.74	0.3417719	0.3604774		5.5	20
Dimethyl phthalate	A	50.00	48.66	1.321588	1.286187		-2.7	20
4,6-Dinitro-2-methylphenol	L	50.00	63.00	0.1179191	0.1790904		26.0	20 *
2,4-Dinitrophenol	L	50.00	52.43	0.1369907	0.1662629	0.05	4.9	20
2,4-Dinitrotoluene	A	50.00	52.37	0.373936	0.3916285		4.7	20
2,6-Dinitrotoluene	A	50.00	47.36	0.3483244	0.3299159		-5.3	20
Di-n-octylphthalate	A	50.00	54.25	1.792929	1.945483		8.5	20
1,2-Diphenylhydrazine	A	50.00	56.42	0.8347356	0.9419566		12.8	20
Bis(2-ethylhexyl)phthalate	A	50.00	45.75	1.025088	0.9379202		-8.5	20
Fluoranthene	A	50.00	53.22	1.072845	1.14186		6.4	20
Fluorene	A	50.00	50.68	1.147043	1.162671		1.4	20
Hexachlorobenzene	A	50.00	51.94	0.2598125	0.2698816		3.9	20
Hexachlorobutadiene	A	50.00	47.24	0.1763327	0.1665821		-5.5	20
Hexachlorocyclopentadiene	A	50.00	50.40	0.350099	0.3528719	0.05	0.8	20
Hexachloroethane	A	50.00	50.77	0.5725119	0.5813543		1.5	20
Indeno(1,2,3-cd)pyrene	A	50.00	50.12	0.9228439	0.9250547		0.2	20
Isophorone	A	50.00	49.22	0.7715062	0.7594035		-1.6	20
1-Methylnaphthalene	A	50.00	49.17	0.5079573	0.4995233		-1.7	20
2-Methylnaphthalene	A	50.00	49.21	0.4934064	0.4856006		-1.6	20
2-Methylphenol	A	50.00	46.37	1.135332	1.052832		-7.3	20
3+4-Methylphenol	A	50.00	46.49	1.186012	1.102869		-7.0	20
4-Nitroaniline	A	50.00	54.98	0.2309184	0.2539347		10.0	20
3-Nitroaniline	A	50.00	47.17	0.3482787	0.3285848		-5.7	20
2-Nitroaniline	A	50.00	61.40	0.3251388	0.3992698		22.8	20 *
Nitrobenzene	A	50.00	49.59	0.3585356	0.355561		-0.8	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1032006
Lab File ID:	SEQ-CCV1.D	Calibration Date:	01/26/11 15:40
Sequence:	1D10408	Injection Date:	04/13/11
Lab Sample ID:	1D10408-CCV1	Injection Time:	15:59

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Nitrophenol	A	50.00	44.36	0.1977617	0.1754604	0.05	-11.3	20
2-Nitrophenol	A	50.00	49.10	0.2241114	0.2200675		-1.8	20
N-Nitrosodiphenylamine	A	50.00	48.54	0.6599038	0.6405996		-2.9	20
N-Nitroso-di-n-propylamine	A	50.00	51.72	0.8341912	0.8629221	0.05	3.4	20
Pentachlorophenol	L	50.00	53.83	0.1614679	0.1904245		7.7	20
Phenanthrene	A	50.00	46.65	1.057442	0.9866566		-6.7	20
Phenol	A	50.00	45.12	1.614787	1.45721		-9.8	20
Pyrene	A	50.00	46.92	1.298906	1.21886		-6.2	20
2,4,6-Trichlorophenol	A	50.00	46.74	0.4009275	0.374767		-6.5	20
2,4,5-Trichlorophenol	A	50.00	47.61	0.4318641	0.4112455		-4.8	20
2-Fluorobiphenyl	A	50.00	47.94	1.2999	1.246289		-4.1	20
2-Fluorophenol	A	100.0	98.19	1.224809	1.202594		-1.8	20
Nitrobenzene-d5	A	50.00	51.74	0.3691845	0.3820211		3.5	20
Phenol-d6	A	100.0	83.18	1.556882	1.294987		-16.8	20
Terphenyl-d14	A	50.00	48.85	0.812066	0.7933673		-2.3	20
2,4,6-Tribromophenol	A	100.0	121.9	0.1449031	0.1766555		21.9	20 *

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 1D05010-BLK1 File ID: D05010B1.D

Sampled: Prepared: Analyzed: 04/08/11 14:19

Solids: Preparation: EXT_3510 Dilution:

Batch: 1D05010 Sequence: 1D10111 Calibration: 1032006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	Y, U
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	Q, U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	Q, U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	Q, X, U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	Q, U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	Q, U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	X, U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	Q, X, U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	X, U
51-28-5	2,4-Dinitrophenol		12.5	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	Q, U

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 1D05010-BLK1 File ID: D05010B1.D

Sampled: Prepared: Analyzed: 04/08/11 14:19

Solids: Preparation: EXT_3510 Dilution:

Batch: 1D05010 Sequence: 1D10111 Calibration: 1032006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	Q, X, U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
106-44-5	3+4-Methylphenol		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	Q, X, U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	Q, X, U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	X, U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	43.34	86.7	50 - 110	
2-Fluorophenol	100.0	32.20	32.2	20 - 110	
Nitrobenzene-d5	50.00	45.57	91.1	40 - 110	
Phenol-d6	100.0	17.16	17.2	10 - 110	
Terphenyl-d14	50.00	51.40	103	50 - 135	
2,4,6-Tribromophenol	100.0	93.76	93.8	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_007

Client: Shaw E & I (I700) | Project: Kirtland AFB 2011

Matrix: | Laboratory ID: 1D05010-BS1 | File ID: D05010L1.D

Sampled: | Prepared: | Analyzed: 04/09/11 19:48

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 1D05010 | Sequence: 1D10112 | Calibration: 1032006 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
91-94-1	3,3'-Dichlorobenzidine	36.58	1.25	2.50	5.00	
83-32-9	Acenaphthene	45.22	1.25	2.50	5.00	
208-96-8	Acenaphthylene	38.97	1.25	2.50	5.00	
98-86-2	Acetophenone	37.08	1.25	2.50	5.00	
120-12-7	Anthracene	50.25	1.25	2.50	5.00	
1912-24-9	Atrazine	47.21	1.25	2.50	5.00	
100-52-7	Benzaldehyde	37.50	1.25	2.50	5.00	Y
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene	46.04	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	63.59	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	74.43	1.25	2.50	5.00	X
191-24-2	Benzo(g,h,i)perylene	68.49	1.25	2.50	5.00	Y
65-85-0	Benzoic acid	13.84	12.5	25.0	50.0	J
207-08-9	Benzo(k)fluoranthene	72.44	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	42.27	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	49.12	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	51.22	1.25	2.50	5.00	
105-60-2	Caprolactam	4.255	1.25	2.50	5.00	J
86-74-8	Carbazole	51.72	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	41.49	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	26.40	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	47.83	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	42.14	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	40.35	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	40.36	1.25	2.50	5.00	X
95-57-8	2-Chlorophenol	34.88	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	44.40	1.25	2.50	5.00	
218-01-9	Chrysene	47.87	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	67.95	1.25	2.50	5.00	X
132-64-9	Dibenzofuran	43.89	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	53.10	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	39.12	1.25	2.50	5.00	
84-66-2	Diethylphthalate	46.33	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	31.96	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	49.82	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	61.80	5.00	10.0	20.0	X
51-28-5	2,4-Dinitrophenol	60.07	12.5	25.0	50.0	X
121-14-2	2,4-Dinitrotoluene	53.30	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	47.21	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	79.91	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 1D05010-BS1 File ID: D05010L1.D

Sampled: Prepared: Analyzed: 04/09/11 19:48

Solids: Preparation: EXT_3510 Dilution:

Batch: 1D05010 Sequence: 1D10112 Calibration: 1032006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	53.02	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	46.48	1.25	2.50	5.00	
206-44-0	Fluoranthene	44.54	1.25	2.50	5.00	
86-73-7	Fluorene	45.65	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	47.41	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	14.89	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	19.56	1.25	2.50	5.00	X
67-72-1	Hexachloroethane	17.02	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	68.46	1.25	2.50	5.00	
78-59-1	Isophorone	43.79	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	29.61	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	37.54	1.25	2.50	5.00	
95-48-7	2-Methylphenol	26.00	1.25	2.50	5.00	
106-44-5	3+4-Methylphenol	21.60	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	59.07	5.00	10.0	20.0	X
99-09-2	3-Nitroaniline	37.58	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	58.44	5.00	10.0	20.0	X
98-95-3	Nitrobenzene	47.88	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	14.41	5.00	10.0	20.0	J
88-75-5	2-Nitrophenol	43.97	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	40.34	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	44.35	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	56.56	5.00	10.0	20.0	
85-01-8	Phenanthrene	49.50	1.25	2.50	5.00	
108-95-2	Phenol	10.10	1.25	2.50	5.00	
129-00-0	Pyrene	51.58	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	44.81	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	44.84	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	45.61	91.2	50 - 110	
2-Fluorophenol	100.0	38.72	38.7	20 - 110	
Nitrobenzene-d5	50.00	48.99	98.0	40 - 110	
Phenol-d6	100.0	20.12	20.1	10 - 110	
Terphenyl-d14	50.00	50.56	101	50 - 135	
2,4,6-Tribromophenol	100.0	111.4	111	40 - 125	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 1D05010-BSD1 File ID: D05010L2.D

Sampled: Prepared: Analyzed: 04/08/11 16:15

Solids: Preparation: EXT_3510 Dilution:

Batch: 1D05010 Sequence: 1D10111 Calibration: 1032006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
91-94-1	3,3'-Dichlorobenzidine	40.61	1.25	2.50	5.00	
83-32-9	Acenaphthene	44.86	1.25	2.50	5.00	
208-96-8	Acenaphthylene	41.71	1.25	2.50	5.00	
98-86-2	Acetophenone	43.10	1.25	2.50	5.00	
120-12-7	Anthracene	47.77	1.25	2.50	5.00	
1912-24-9	Atrazine	44.84	1.25	2.50	5.00	
100-52-7	Benzaldehyde	38.30	1.25	2.50	5.00	Y
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene	46.09	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	53.62	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	65.28	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	72.72	1.25	2.50	5.00	X
65-85-0	Benzoic acid	13.32	12.5	25.0	50.0	J
207-08-9	Benzo(k)fluoranthene	59.97	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	41.09	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	50.74	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	53.20	1.25	2.50	5.00	
105-60-2	Caprolactam	5.128	1.25	2.50	5.00	
86-74-8	Carbazole	53.29	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	40.12	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	29.45	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	50.25	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	45.66	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	45.20	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	38.79	1.25	2.50	5.00	X
95-57-8	2-Chlorophenol	36.20	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	48.66	1.25	2.50	5.00	
218-01-9	Chrysene	47.29	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	65.66	1.25	2.50	5.00	X
132-64-9	Dibenzofuran	44.40	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	57.31	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	41.75	1.25	2.50	5.00	
84-66-2	Diethylphthalate	56.15	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	31.59	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	48.51	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	61.10	5.00	10.0	20.0	X
51-28-5	2,4-Dinitrophenol	58.03	12.5	25.0	50.0	X
121-14-2	2,4-Dinitrotoluene	53.43	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	47.48	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	58.21	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 1D05010-BSD1 File ID: D05010L2.D

Sampled: Prepared: Analyzed: 04/08/11 16:15

Solids: Preparation: EXT_3510 Dilution:

Batch: 1D05010 Sequence: 1D10111 Calibration: 1032006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	53.86	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	51.26	1.25	2.50	5.00	
206-44-0	Fluoranthene	49.81	1.25	2.50	5.00	
86-73-7	Fluorene	49.00	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	51.06	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	14.59	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	20.55	1.25	2.50	5.00	
67-72-1	Hexachloroethane	16.50	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	54.09	1.25	2.50	5.00	X
78-59-1	Isophorone	44.68	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	33.86	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	38.09	1.25	2.50	5.00	
95-48-7	2-Methylphenol	28.38	1.25	2.50	5.00	
106-44-5	3+4-Methylphenol	23.59	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	67.92	5.00	10.0	20.0	X
99-09-2	3-Nitroaniline	39.95	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	54.27	5.00	10.0	20.0	X
98-95-3	Nitrobenzene	51.78	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	15.52	5.00	10.0	20.0	X, J
88-75-5	2-Nitrophenol	46.45	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	37.81	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	48.81	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	50.28	5.00	10.0	20.0	
85-01-8	Phenanthrene	45.05	1.25	2.50	5.00	
108-95-2	Phenol	11.69	1.25	2.50	5.00	
129-00-0	Pyrene	54.47	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	44.26	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	40.24	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	43.10	86.2	50 - 110	
2-Fluorophenol	100.0	42.06	42.1	20 - 110	
Nitrobenzene-d5	50.00	51.21	102	40 - 110	
Phenol-d6	100.0	21.92	21.9	10 - 110	
Terphenyl-d14	50.00	47.47	94.9	50 - 135	
2,4,6-Tribromophenol	100.0	100.1	100	40 - 125	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 1D08005-BLK1 File ID: D08005B1.D

Sampled: Prepared: Analyzed: 04/10/11 07:16

Solids: Preparation: EXT_3510 Dilution:

Batch: 1D08005 Sequence: 1D10116 Calibration: 1032006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	Y, U
100-52-7	Benzaldehyde		1.25	2.50	5.00	Y, U
92-87-5	Benzidine		12.5	25.0	50.0	X, U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	X, U
105-60-2	Caprolactam		1.25	2.50	5.00	Q, U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	X, U
51-28-5	2,4-Dinitrophenol		12.5	25.0	50.0	U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	X, Q, U

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 1D08005-BLK1 File ID: D08005B1.D

Sampled: Prepared: Analyzed: 04/10/11 07:16

Solids: Preparation: EXT_3510 Dilution:

Batch: 1D08005 Sequence: 1D10116 Calibration: 1032006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	X, U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	Q, U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
106-44-5	3+4-Methylphenol		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	Q, X, U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	X, U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	42.94	85.9	50 - 110	
2-Fluorophenol	100.0	34.18	34.2	20 - 110	
Nitrobenzene-d5	50.00	44.61	89.2	40 - 110	
Phenol-d6	100.0	19.00	19.0	10 - 110	
Terphenyl-d14	50.00	50.01	100	50 - 135	
2,4,6-Tribromophenol	100.0	83.75	83.7	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_007

Client: Shaw E & I (I700) | Project: Kirtland AFB 2011

Matrix: | Laboratory ID: 1D08005-BS1 | File ID: D08005L1.D

Sampled: | Prepared: | Analyzed: 04/10/11 07:45

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 1D08005 | Sequence: 1D10116 | Calibration: 1032006 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
91-94-1	3,3'-Dichlorobenzidine	42.90	1.25	2.50	5.00	
83-32-9	Acenaphthene	44.33	1.25	2.50	5.00	
208-96-8	Acenaphthylene	43.75	1.25	2.50	5.00	
98-86-2	Acetophenone	39.56	1.25	2.50	5.00	
120-12-7	Anthracene	39.30	1.25	2.50	5.00	
1912-24-9	Atrazine	46.98	1.25	2.50	5.00	Y
100-52-7	Benzaldehyde	36.93	1.25	2.50	5.00	Y
92-87-5	Benzidine		12.5	25.0	50.0	X, U
56-55-3	Benzo(a)anthracene	44.19	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	52.51	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	54.00	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	45.85	1.25	2.50	5.00	
65-85-0	Benzoic acid	12.68	12.5	25.0	50.0	J
207-08-9	Benzo(k)fluoranthene	55.22	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	43.02	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	47.76	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	55.20	1.25	2.50	5.00	X
105-60-2	Caprolactam	5.607	1.25	2.50	5.00	
86-74-8	Carbazole	48.65	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	43.15	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	38.92	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	51.30	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	42.39	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	40.52	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	42.07	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	35.42	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	47.22	1.25	2.50	5.00	
218-01-9	Chrysene	44.52	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	44.73	1.25	2.50	5.00	
132-64-9	Dibenzofuran	46.29	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	54.17	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	41.26	1.25	2.50	5.00	
84-66-2	Diethylphthalate	53.16	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	42.44	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	50.80	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	56.24	5.00	10.0	20.0	X
51-28-5	2,4-Dinitrophenol	54.06	12.5	25.0	50.0	
121-14-2	2,4-Dinitrotoluene	52.56	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	47.78	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	85.77	1.25	2.50	5.00	X

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 1D08005-BS1 File ID: D08005L1.D

Sampled: Prepared: Analyzed: 04/10/11 07:45

Solids: Preparation: EXT_3510 Dilution:

Batch: 1D08005 Sequence: 1D10116 Calibration: 1032006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	51.66	1.25	2.50	5.00	X
117-81-7	Bis(2-ethylhexyl)phthalate	55.36	1.25	2.50	5.00	
206-44-0	Fluoranthene	44.24	1.25	2.50	5.00	
86-73-7	Fluorene	48.21	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	49.26	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	16.64	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	19.70	1.25	2.50	5.00	
67-72-1	Hexachloroethane	14.70	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	46.79	1.25	2.50	5.00	
78-59-1	Isophorone	48.54	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	34.00	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	46.14	1.25	2.50	5.00	
95-48-7	2-Methylphenol	27.28	1.25	2.50	5.00	
106-44-5	3+4-Methylphenol	21.40	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	68.22	5.00	10.0	20.0	X
99-09-2	3-Nitroaniline	43.35	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	50.64	5.00	10.0	20.0	X
98-95-3	Nitrobenzene	52.81	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	11.95	5.00	10.0	20.0	J
88-75-5	2-Nitrophenol	45.88	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	40.38	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	46.36	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	46.96	5.00	10.0	20.0	
85-01-8	Phenanthrene	47.30	1.25	2.50	5.00	
108-95-2	Phenol	10.87	1.25	2.50	5.00	
129-00-0	Pyrene	52.61	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	46.04	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	46.94	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	41.65	83.3	50 - 110	
2-Fluorophenol	100.0	37.85	37.9	20 - 110	
Nitrobenzene-d5	50.00	50.42	101	40 - 110	
Phenol-d6	100.0	19.34	19.3	10 - 110	
Terphenyl-d14	50.00	50.38	101	50 - 135	
2,4,6-Tribromophenol	100.0	100.1	100	40 - 125	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 1D11005-BLK1 File ID: D11005B1.D

Sampled: Prepared: Analyzed: 04/13/11 17:14

Solids: Preparation: EXT_3510 Dilution:

Batch: 1D11005 Sequence: 1D10408 Calibration: 1032006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	Y, U
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	Y, U
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	Y, U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	Q, U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	X, U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	X, U
51-28-5	2,4-Dinitrophenol		12.5	25.0	50.0	U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 1D11005-BLK1 File ID: D11005B1.D

Sampled: Prepared: Analyzed: 04/13/11 17:14

Solids: Preparation: EXT_3510 Dilution:

Batch: 1D11005 Sequence: 1D10408 Calibration: 1032006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	Q, U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	Q, U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
106-44-5	3+4-Methylphenol		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	X, U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	33.45	66.9	50 - 110	
2-Fluorophenol	100.0	31.55	31.6	20 - 110	
Nitrobenzene-d5	50.00	46.06	92.1	40 - 110	
Phenol-d6	100.0	16.95	16.9	10 - 110	
Terphenyl-d14	50.00	51.78	104	50 - 135	
2,4,6-Tribromophenol	100.0	88.11	88.1	40 - 125	X

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 1D11005-BS1 File ID: D11005L1.D

Sampled: Prepared: Analyzed: 04/13/11 17:43

Solids: Preparation: EXT_3510 Dilution:

Batch: 1D11005 Sequence: 1D10408 Calibration: 1032006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
91-94-1	3,3'-Dichlorobenzidine	32.63	1.25	2.50	5.00	Y
83-32-9	Acenaphthene	36.42	1.25	2.50	5.00	
208-96-8	Acenaphthylene	34.05	1.25	2.50	5.00	
98-86-2	Acetophenone	36.68	1.25	2.50	5.00	
120-12-7	Anthracene	42.73	1.25	2.50	5.00	
1912-24-9	Atrazine	51.78	1.25	2.50	5.00	
100-52-7	Benzaldehyde	36.87	1.25	2.50	5.00	Y
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene	44.15	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	47.48	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	52.34	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	45.21	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene	53.32	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	34.81	1.25	2.50	5.00	Y
101-55-3	4-Bromophenyl-phenylether	43.17	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	54.71	1.25	2.50	5.00	
105-60-2	Caprolactam	5.926	1.25	2.50	5.00	
86-74-8	Carbazole	47.23	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	37.88	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	33.96	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	42.70	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	40.54	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	37.32	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	31.92	1.25	2.50	5.00	X
95-57-8	2-Chlorophenol	31.41	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	40.17	1.25	2.50	5.00	
218-01-9	Chrysene	42.78	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	43.09	1.25	2.50	5.00	
132-64-9	Dibenzofuran	40.23	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	49.72	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	39.81	1.25	2.50	5.00	
84-66-2	Diethylphthalate	51.28	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	38.56	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	46.69	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	53.05	5.00	10.0	20.0	X
51-28-5	2,4-Dinitrophenol	55.36	12.5	25.0	50.0	
121-14-2	2,4-Dinitrotoluene	51.90	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	43.36	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	67.12	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 1D11005-BS1 File ID: D11005L1.D

Sampled: Prepared: Analyzed: 04/13/11 17:43

Solids: Preparation: EXT_3510 Dilution:

Batch: 1D11005 Sequence: 1D10408 Calibration: 1032006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	39.75	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	48.40	1.25	2.50	5.00	
206-44-0	Fluoranthene	44.47	1.25	2.50	5.00	
86-73-7	Fluorene	40.22	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	43.31	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	12.02	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	15.08	1.25	2.50	5.00	
67-72-1	Hexachloroethane	14.07	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	44.08	1.25	2.50	5.00	
78-59-1	Isophorone	43.27	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	31.50	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	34.58	1.25	2.50	5.00	
95-48-7	2-Methylphenol	25.47	1.25	2.50	5.00	
106-44-5	3+4-Methylphenol	21.14	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	53.40	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	41.05	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	48.75	5.00	10.0	20.0	X
98-95-3	Nitrobenzene	44.78	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	10.92	5.00	10.0	20.0	J
88-75-5	2-Nitrophenol	41.98	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	36.25	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	43.66	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	50.58	5.00	10.0	20.0	
85-01-8	Phenanthrene	44.80	1.25	2.50	5.00	
108-95-2	Phenol	10.86	1.25	2.50	5.00	
129-00-0	Pyrene	49.29	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	42.93	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	41.82	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	37.64	75.3	50 - 110	
2-Fluorophenol	100.0	34.44	34.4	20 - 110	
Nitrobenzene-d5	50.00	45.08	90.2	40 - 110	
Phenol-d6	100.0	20.37	20.4	10 - 110	
Terphenyl-d14	50.00	46.66	93.3	50 - 135	
2,4,6-Tribromophenol	100.0	91.38	91.4	40 - 125	X

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 1D11005-BSD1 File ID: D11005L2.D

Sampled: Prepared: Analyzed: 04/13/11 18:12

Solids: Preparation: EXT_3510 Dilution:

Batch: 1D11005 Sequence: 1D10408 Calibration: 1032006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
91-94-1	3,3'-Dichlorobenzidine	33.21	1.25	2.50	5.00	Y
83-32-9	Acenaphthene	38.39	1.25	2.50	5.00	
208-96-8	Acenaphthylene	38.67	1.25	2.50	5.00	
98-86-2	Acetophenone	34.85	1.25	2.50	5.00	
120-12-7	Anthracene	40.33	1.25	2.50	5.00	
1912-24-9	Atrazine	44.35	1.25	2.50	5.00	
100-52-7	Benzaldehyde	36.45	1.25	2.50	5.00	Y
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene	42.34	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	50.42	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	52.29	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	43.39	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene	53.72	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	37.75	1.25	2.50	5.00	Y
101-55-3	4-Bromophenyl-phenylether	44.31	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	47.28	1.25	2.50	5.00	
105-60-2	Caprolactam	6.037	1.25	2.50	5.00	
86-74-8	Carbazole	41.26	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	38.38	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	32.51	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	46.90	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	35.81	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	35.10	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	33.58	1.25	2.50	5.00	X
95-57-8	2-Chlorophenol	27.65	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	46.52	1.25	2.50	5.00	
218-01-9	Chrysene	41.89	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	42.29	1.25	2.50	5.00	
132-64-9	Dibenzofuran	41.95	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	45.31	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	37.34	1.25	2.50	5.00	
84-66-2	Diethylphthalate	51.64	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	36.70	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	45.83	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	51.36	5.00	10.0	20.0	X
51-28-5	2,4-Dinitrophenol	51.35	12.5	25.0	50.0	
121-14-2	2,4-Dinitrotoluene	51.31	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	45.97	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	61.59	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 1D11005-BSD1 File ID: D11005L2.D

Sampled: Prepared: Analyzed: 04/13/11 18:12

Solids: Preparation: EXT_3510 Dilution:

Batch: 1D11005 Sequence: 1D10408 Calibration: 1032006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	45.27	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	45.89	1.25	2.50	5.00	
206-44-0	Fluoranthene	38.08	1.25	2.50	5.00	
86-73-7	Fluorene	42.04	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	44.48	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	11.25	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	14.39	1.25	2.50	5.00	
67-72-1	Hexachloroethane	12.78	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	41.16	1.25	2.50	5.00	
78-59-1	Isophorone	41.50	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	29.01	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	31.33	1.25	2.50	5.00	
95-48-7	2-Methylphenol	24.11	1.25	2.50	5.00	
106-44-5	3+4-Methylphenol	20.50	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	50.46	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	38.47	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	46.98	5.00	10.0	20.0	X
98-95-3	Nitrobenzene	42.60	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	12.30	5.00	10.0	20.0	J
88-75-5	2-Nitrophenol	44.06	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	34.96	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	41.26	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	45.48	5.00	10.0	20.0	
85-01-8	Phenanthrene	39.38	1.25	2.50	5.00	
108-95-2	Phenol	11.01	1.25	2.50	5.00	
129-00-0	Pyrene	46.30	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	43.73	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	44.12	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	40.59	81.2	50 - 110	
2-Fluorophenol	100.0	35.53	35.5	20 - 110	
Nitrobenzene-d5	50.00	45.74	91.5	40 - 110	
Phenol-d6	100.0	20.23	20.2	10 - 110	
Terphenyl-d14	50.00	49.06	98.1	50 - 135	
2,4,6-Tribromophenol	100.0	99.30	99.3	40 - 125	X

HOLDING TIME SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GW0047	04/04/11 10:01	04/05/11 08:30	04/05/11 17:15	1.26	7.00	04/11/11 22:08	6.20	40.00	
GW0069	04/04/11 13:52	04/05/11 08:30	04/05/11 17:15	1.10	7.00	04/11/11 22:36	6.22	40.00	
GW0040	04/06/11 13:40	04/07/11 08:30	04/08/11 12:46	1.96	7.00	04/11/11 23:33	3.45	40.00	
GW0057	04/07/11 11:50	04/08/11 08:45	04/11/11 11:28	3.98	7.00	04/13/11 20:35	2.38	40.00	
GW0071	04/07/11 14:54	04/08/11 08:45	04/11/11 11:28	3.86	7.00	04/13/11 21:03	2.40	40.00	

SW8015B (GRO)
Forms

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1A02805	Instrument:	GL-GCVOA2
Calibration:	1028002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1A02805-CAL1	003F0301.D	01/27/11 18:33
Cal Standard	1A02805-CAL2	004F0401.D	01/27/11 19:08
Cal Standard	1A02805-CAL3	005F0501.D	01/27/11 19:44
Cal Standard	1A02805-CAL4	006F0601.D	01/27/11 20:20
Cal Standard	1A02805-CAL5	007F0701.D	01/27/11 20:55
Cal Standard	1A02805-CAL6	008F0801.D	01/27/11 21:31
Initial Cal Check	1A02805-ICV1	009F0901.D	01/27/11 22:07

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D10114	Instrument:	GL-GCVOA2
Calibration:	1028002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1D10114-CCV1	013F1301.D	04/07/11 17:42
Blank	1D07010-BLK1	014F1401.D	04/07/11 18:18
LCS	1D07010-BS1	015F1501.D	04/07/11 18:53
LCS Dup	1D07010-BSD1	016F1601.D	04/07/11 19:29
GW0047	1104024-01	022F2201.D	04/07/11 23:02
GW0069	1104024-03	023F2301.D	04/07/11 23:38
Calibration Check	1D10114-CCV2	028F2801.D	04/08/11 02:35

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D10421	Instrument:	GL-GCVOA2
Calibration:	1028002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1D10421-CCV1	003F0301.D	04/13/11 14:41
Calibration Check	1D10421-CCV3	027F2701.D	04/14/11 04:50
Blank	1D13029-BLK1	028F2801.D	04/14/11 05:25
LCS	1D13029-BS1	029F2901.D	04/14/11 06:01
LCS Dup	1D13029-BSD1	030F3001.D	04/14/11 06:36
GW0040	1104061-01	031F3101.D	04/14/11 07:13
GW0057	1104086-01	032F3201.D	04/14/11 07:47
GW0071	1104086-03	033F3301.D	04/14/11 08:22
Calibration Check	1D10421-CCV4	039F3901.D	04/14/11 11:55

ANALYSIS DATA SHEET

GW0047

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1104024-01	File ID:	022F2201.D
Sampled:	04/04/11 10:01	Prepared:	04/07/11 10:00	Analyzed:	04/07/11 23:02
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1D07010 Sequence: 1D10114 Calibration: 1028002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.129	0.0500	0.100	0.150	J

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05086	102	50 - 150	

ANALYSIS DATA SHEET

GW0069

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1104024-03	File ID:	023F2301.D
Sampled:	04/04/11 13:52	Prepared:	04/07/11 10:00	Analyzed:	04/07/11 23:38
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1D07010 Sequence: 1D10114 Calibration: 1028002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.0647	0.0500	0.100	0.150	J

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04860	97.2	50 - 150	

ANALYSIS DATA SHEET

GW0040

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1104061-01	File ID:	031F3101.D
Sampled:	04/06/11 13:40	Prepared:	04/13/11 15:46	Analyzed:	04/14/11 07:13
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1D13029 Sequence: 1D10421 Calibration: 1028002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.122	0.0500	0.100	0.150	J

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04922	98.4	50 - 150	

ANALYSIS DATA SHEET

GW0057

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1104086-01	File ID:	032F3201.D
Sampled:	04/07/11 11:50	Prepared:	04/13/11 15:46	Analyzed:	04/14/11 07:47
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1D13029 Sequence: 1D10421 Calibration: 1028002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04881	97.6	50 - 150	

ANALYSIS DATA SHEET

GW0071

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1104086-03	File ID:	033F3301.D
Sampled:	04/07/11 14:54	Prepared:	04/13/11 15:46	Analyzed:	04/14/11 08:22
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1D13029 Sequence: 1D10421 Calibration: 1028002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.179	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04974	99.5	50 - 150	

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D07010	Laboratory ID:	1D07010-BS1
Preparation:	8015GRO	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	0.5521	110	50 - 150

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	0.5662	113	2.52	50	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D13029	Laboratory ID:	1D13029-BS1
Preparation:	8015GRO	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	0.4855	97.1	50 - 150

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	0.5282	106	8.41	50	50 - 150

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 1D07010 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0047	1104024-01	04/07/11 10:00	5.00	5.00
GW0069	1104024-03	04/07/11 10:00	5.00	5.00
Blank	1D07010-BLK1	04/07/11 10:00	5.00	5.00
LCS	1D07010-BS1	04/07/11 10:00	5.00	5.00
LCS Dup	1D07010-BSD1	04/07/11 10:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 1D13029 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0040	1104061-01	04/13/11 15:46	5.00	5.00
GW0057	1104086-01	04/13/11 15:46	5.00	5.00
GW0071	1104086-03	04/13/11 15:46	5.00	5.00
Blank	1D13029-BLK1	04/13/11 15:46	5.00	5.00
LCS	1D13029-BS1	04/13/11 15:46	5.00	5.00
LCS Dup	1D13029-BSD1	04/13/11 15:46	5.00	5.00

INITIAL CALIBRATION STANDARDS

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1A02805	Instrument:	GL-GCVOA2
Calibration:	1028002		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
11A0780	GRO Cal 0.1ppm	1A02805-CAL1	003F0301.D	01/27/11 18:33
11A0781	GRO Cal 0.2ppm	1A02805-CAL2	004F0401.D	01/27/11 19:08
11A0783	GRO Cal 0.5ppm	1A02805-CAL3	005F0501.D	01/27/11 19:44
11A0789	GRO Cal 1.0ppm	1A02805-CAL4	006F0601.D	01/27/11 20:20
11A0790	GRO Cal 2.0ppm	1A02805-CAL5	007F0701.D	01/27/11 20:55
11A0791	GRO Cal 5.0ppm	1A02805-CAL6	008F0801.D	01/27/11 21:31

INITIAL CALIBRATION DATA

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1028002	Instrument:	GL-GCVOA2	
Matrix:	Water	Calibration Dates:	1/27/11 18:33	1/27/11 21:31

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Gasoline Range Organics (C6-C10	5	2516042	2	2730054	1	2493619	0.5	2526354	0.2	3408960	0.1	3753180
Bromofluorobenzene	0.5	1483418	0.2	1700855	0.1	1733590	0.05	1558880	0.02	1723950	0.01	1745400

INITIAL CALIBRATION DATA (Continued)

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1028002	Instrument:	GL-GCVOA2	
Matrix:	Water	Calibration Dates:	1/27/11 18:33	1/27/11 21:31

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Gasoline Range Organics (C6-C10)	2904701	18.65348	7.287	1.259059E-02			20	
Bromofluorobenzene	1657682	6.599566	19.57967	2.614775E-02			20	

INITIAL CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	1028002
Lab File ID:	009F0901.D	Calibration Date:	01/27/11 18:33
Sequence:	1A02805	Injection Date:	01/27/11
Lab Sample ID:	1A02805-ICV1	Injection Time:	22:07

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.5128	2904701	2979066		2.6	20
Bromofluorobenzene	A	0.05000	0.05836	1657682	1934860		16.7	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	1028002
Lab File ID:	013F1301.D	Calibration Date:	01/27/11 18:33
Sequence:	1D10114	Injection Date:	04/07/11
Lab Sample ID:	1D10114-CCV1	Injection Time:	17:42

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.5083	2904701	2952736		1.7	20
Bromofluorobenzene	A	0.05000	0.05070	1657682	1680920		1.4	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	1028002
Lab File ID:	028F2801.D	Calibration Date:	01/27/11 18:33
Sequence:	1D10114	Injection Date:	04/08/11
Lab Sample ID:	1D10114-CCV2	Injection Time:	02:35

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.5420	2904701	3148934		8.4	20
Bromofluorobenzene	A	0.05000	0.05154	1657682	1708720		3.1	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	1028002
Lab File ID:	003F0301.D	Calibration Date:	01/27/11 18:33
Sequence:	1D10421	Injection Date:	04/13/11
Lab Sample ID:	1D10421-CCV1	Injection Time:	14:41

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4427	2904701	2571856		-11.5	20
Bromofluorobenzene	A	0.05000	0.05179	1657682	1716920		3.6	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	1028002
Lab File ID:	027F2701.D	Calibration Date:	01/27/11 18:33
Sequence:	1D10421	Injection Date:	04/14/11
Lab Sample ID:	1D10421-CCV3	Injection Time:	04:50

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4975	2904701	2890464		-0.5	20
Bromofluorobenzene	A	0.05000	0.05311	1657682	1760940		6.2	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	1028002
Lab File ID:	039F3901.D	Calibration Date:	01/27/11 18:33
Sequence:	1D10421	Injection Date:	04/14/11
Lab Sample ID:	1D10421-CCV4	Injection Time:	11:55

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4684	2904701	2721358		-6.3	20
Bromofluorobenzene	A	0.05000	0.05052	1657682	1675040		1.0	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D10114	Instrument:	GL-GCVOA2
		Calibration:	1028002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1D10114-CCV1) ug/mL				Lab File ID: 013F1301.D		Analyzed: 04/07/11 17:42		
Bromofluorobenzene	0.05000	101	80 - 120	19.58	19.58	0.0000	+/-0.210	
Blank (1D07010-BLK1) mg/L				Lab File ID: 014F1401.D		Analyzed: 04/07/11 18:18		
Bromofluorobenzene	0.05000	99.0	50 - 150	19.58	19.58	0.0000	+/-0.210	
LCS (1D07010-BS1) mg/L				Lab File ID: 015F1501.D		Analyzed: 04/07/11 18:53		
Bromofluorobenzene	0.05000	103	50 - 150	19.58	19.58	0.0000	+/-0.210	
LCS Dup (1D07010-BSD1) mg/L				Lab File ID: 016F1601.D		Analyzed: 04/07/11 19:29		
Bromofluorobenzene	0.05000	102	50 - 150	19.58	19.58	0.0000	+/-0.210	
GW0047 (1104024-01) mg/L				Lab File ID: 022F2201.D		Analyzed: 04/07/11 23:02		
Bromofluorobenzene	0.05000	102	50 - 150	19.583	19.58	0.0030	+/-0.210	
GW0069 (1104024-03) mg/L				Lab File ID: 023F2301.D		Analyzed: 04/07/11 23:38		
Bromofluorobenzene	0.05000	97.2	50 - 150	19.583	19.58	0.0030	+/-0.210	
Calibration Check (1D10114-CCV2) ug/mL				Lab File ID: 028F2801.D		Analyzed: 04/08/11 02:35		
Bromofluorobenzene	0.05000	103	80 - 120	19.586	19.58	0.0060	+/-0.210	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D10421	Instrument:	GL-GCVOA2
		Calibration:	1028002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1D10421-CCV1) ug/mL				Lab File ID: 003F0301.D		Analyzed: 04/13/11 14:41		
Bromofluorobenzene	0.05000	104	80 - 120	19.566	19.566	0.0000	+/-0.210	
Calibration Check (1D10421-CCV3) ug/mL				Lab File ID: 027F2701.D		Analyzed: 04/14/11 04:50		
Bromofluorobenzene	0.05000	106	80 - 120	19.58	19.566	0.0140	+/-0.210	
Blank (1D13029-BLK1) mg/L				Lab File ID: 028F2801.D		Analyzed: 04/14/11 05:25		
Bromofluorobenzene	0.05000	101	50 - 150	19.58	19.566	0.0140	+/-0.210	
LCS (1D13029-BS1) mg/L				Lab File ID: 029F2901.D		Analyzed: 04/14/11 06:01		
Bromofluorobenzene	0.05000	102	50 - 150	19.576	19.566	0.0100	+/-0.210	
LCS Dup (1D13029-BSD1) mg/L				Lab File ID: 030F3001.D		Analyzed: 04/14/11 06:36		
Bromofluorobenzene	0.05000	102	50 - 150	19.576	19.566	0.0100	+/-0.210	
GW0040 (1104061-01) mg/L				Lab File ID: 031F3101.D		Analyzed: 04/14/11 07:13		
Bromofluorobenzene	0.05000	98.4	50 - 150	19.576	19.566	0.0100	+/-0.210	
GW0057 (1104086-01) mg/L				Lab File ID: 032F3201.D		Analyzed: 04/14/11 07:47		
Bromofluorobenzene	0.05000	97.6	50 - 150	19.58	19.566	0.0140	+/-0.210	
GW0071 (1104086-03) mg/L				Lab File ID: 033F3301.D		Analyzed: 04/14/11 08:22		
Bromofluorobenzene	0.05000	99.5	50 - 150	19.583	19.566	0.0170	+/-0.210	
Calibration Check (1D10421-CCV4) ug/mL				Lab File ID: 039F3901.D		Analyzed: 04/14/11 11:55		
Bromofluorobenzene	0.05000	101	80 - 120	19.566	19.566	0.0000	+/-0.210	

HOLDING TIME SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GW0047	04/04/11 10:01	04/05/11 08:30	04/07/11 10:00	N/A	14.00	04/07/11 23:02	3.50	14.00	
GW0069	04/04/11 13:52	04/05/11 08:30	04/07/11 10:00	N/A	14.00	04/07/11 23:38	3.37	14.00	
GW0040	04/06/11 13:40	04/07/11 08:30	04/13/11 15:46	N/A	14.00	04/14/11 07:13	7.73	14.00	
GW0057	04/07/11 11:50	04/08/11 08:45	04/13/11 15:46	N/A	14.00	04/14/11 07:47	6.83	14.00	
GW0071	04/07/11 14:54	04/08/11 08:45	04/13/11 15:46	N/A	14.00	04/14/11 08:22	6.73	14.00	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	1D07010-BLK1	File ID:	014F1401.D
Sampled:		Prepared:		Analyzed:	04/07/11 18:18
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 1D07010 Sequence: 1D10114 Calibration: 1028002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04951	99.0	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1D07010-BS1	File ID:	015F1501.D
Sampled:		Prepared:		Analyzed:	04/07/11 18:53
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	1D07010	Sequence:	1D10114	Calibration:	1028002	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.5521	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05151	103	50 - 150	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1D07010-BSD1	File ID:	016F1601.D
Sampled:		Prepared:		Analyzed:	04/07/11 19:29
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	1D07010	Sequence:	1D10114	Calibration:	1028002	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.5662	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05102	102	50 - 150	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1D13029-BLK1	File ID:	028F2801.D
Sampled:		Prepared:		Analyzed:	04/14/11 05:25
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	1D13029	Sequence:	1D10421	Calibration:	1028002	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05047	101	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1D13029-BS1	File ID:	029F2901.D
Sampled:		Prepared:		Analyzed:	04/14/11 06:01
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	1D13029	Sequence:	1D10421	Calibration:	1028002	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4855	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05078	102	50 - 150	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1D13029-BSD1	File ID:	030F3001.D
Sampled:		Prepared:		Analyzed:	04/14/11 06:36
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	1D13029	Sequence:	1D10421	Calibration:	1028002	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.5282	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05076	102	50 - 150	

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_007
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix: Water
Instrument: GL-GCVOA2

Analyte	MDL	MRL	Units	Method
Gasoline Range Organics (C6-C10)	0.0500	0.150	mg/L	SW8015B GRO

SW8015B (DRO)
Forms

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D09503	Instrument:	GL-GCFID2
Calibration:	1095001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1D09503-CAL6	003F0301.D	04/04/11 10:35
Cal Standard	1D09503-CAL5	004F0401.D	04/04/11 11:09
Cal Standard	1D09503-CAL4	005F0501.D	04/04/11 11:43
Cal Standard	1D09503-CAL3	006F0601.D	04/04/11 12:17
Cal Standard	1D09503-CAL2	007F0701.D	04/04/11 12:51
Cal Standard	1D09503-CAL1	008F0801.D	04/04/11 13:25
Initial Cal Check	1D09503-ICV1	009F0901.D	04/04/11 13:59

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D09805	Instrument:	GL-GCFID2
Calibration:	1095001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1D09805-CCV1	003F0301.D	04/07/11 09:55
Blank	1D05009-BLK1	004F0401.D	04/07/11 10:29
LCS	1D05009-BS1	005F0501.D	04/07/11 11:04
LCS Dup	1D05009-BSD1	006F0601.D	04/07/11 11:38
GW0047	1104024-01	010F1001.D	04/07/11 13:53
GW0069	1104024-03	011F1101.D	04/07/11 14:27
Calibration Check	1D09805-CCV2	012F1201.D	04/07/11 15:01

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D10302	Instrument:	GL-GCFID2
Calibration:	1103001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1D10302-CAL6	003F0301.D	04/12/11 20:52
Cal Standard	1D10302-CAL5	004F0401.D	04/12/11 21:25
Cal Standard	1D10302-CAL4	005F0501.D	04/12/11 21:59
Cal Standard	1D10302-CAL3	006F0601.D	04/12/11 22:32
Cal Standard	1D10302-CAL2	007F0701.D	04/12/11 23:06
Cal Standard	1D10302-CAL1	008F0801.D	04/12/11 23:39
Initial Cal Check	1D10302-ICV1	009F0901.D	04/13/11 00:13

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D10305	Instrument:	GL-GCFID2
Calibration:	1103001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1D10305-CCV1	010F1001.D	04/13/11 00:46
Blank	1D11007-BLK1	011F1101.D	04/13/11 01:20
LCS	1D11007-BS1	012F1201.D	04/13/11 01:53
GW0040	1104061-01	018F1801.D	04/13/11 05:14
GW0057	1104086-01	019F1901.D	04/13/11 05:48
GW0071	1104086-03	020F2001.D	04/13/11 06:21
Calibration Check	1D10305-CCV2	021F2101.D	04/13/11 06:55

ANALYSIS DATA SHEET

GW0047

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1104024-01	File ID:	010F1001.D
Sampled:	04/04/11 10:01	Prepared:	04/05/11 14:43	Analyzed:	04/07/11 13:53
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1D05009 Sequence: 1D09805 Calibration: 1095001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0943	0.0943	0.0943	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01726	91.5	30 - 140	

ANALYSIS DATA SHEET

GW0069

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1104024-03	File ID:	011F1101.D
Sampled:	04/04/11 13:52	Prepared:	04/05/11 14:43	Analyzed:	04/07/11 14:27
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1D05009 Sequence: 1D09805 Calibration: 1095001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0962	0.0962	0.0962	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.01357	70.6	30 - 140	

ANALYSIS DATA SHEET

GW0040

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1104061-01	File ID:	018F1801.D
Sampled:	04/06/11 13:40	Prepared:	04/11/11 11:28	Analyzed:	04/13/11 05:14
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1D11007 Sequence: 1D10305 Calibration: 1103001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0926	0.0926	0.0926	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01852	0.01439	77.7	30 - 140	

ANALYSIS DATA SHEET

GW0057

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1104086-01	File ID:	019F1901.D
Sampled:	04/07/11 11:50	Prepared:	04/11/11 11:28	Analyzed:	04/13/11 05:48
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1D11007 Sequence: 1D10305 Calibration: 1103001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0962	0.0962	0.0962	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.01373	71.4	30 - 140	

ANALYSIS DATA SHEET

GW0071

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1104086-03	File ID:	020F2001.D
Sampled:	04/07/11 14:54	Prepared:	04/11/11 11:28	Analyzed:	04/13/11 06:21
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1D11007 Sequence: 1D10305 Calibration: 1103001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0980	0.0980	0.0980	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.01631	83.2	30 - 140	

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D05009	Laboratory ID:	1D05009-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Diesel Range Organics (C10-C28)	1.000	0.8094	80.9	50 - 150

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Diesel Range Organics (C10-C28)	1.000	0.7407	74.1	8.86	50	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D11007	Laboratory ID:	1D11007-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Diesel Range Organics (C10-C28)	1.000	0.7038	70.4	50 - 150

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 1D05009 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0047	1104024-01	04/05/11 14:43	1,060.00	1.00
GW0069	1104024-03	04/05/11 14:43	1,040.00	1.00
Blank	1D05009-BLK1	04/05/11 14:43	1,000.00	1.00
LCS	1D05009-BS1	04/05/11 14:43	1,000.00	1.00
LCS Dup	1D05009-BSD1	04/05/11 14:43	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 1D11007 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0040	1104061-01	04/11/11 11:28	1,080.00	1.00
GW0057	1104086-01	04/11/11 11:28	1,040.00	1.00
GW0071	1104086-03	04/11/11 11:28	1,020.00	1.00
Blank	1D11007-BLK1	04/11/11 11:28	1,000.00	1.00
LCS	1D11007-BS1	04/11/11 11:28	1,000.00	1.00

INITIAL CALIBRATION STANDARDS

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D09503	Instrument:	GL-GCFID2
Calibration:	1095001		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
11D0042	DRO ICAL6@100ppm	1D09503-CAL6	003F0301.D	04/04/11 10:35
11D0043	DRO ICAL5@250ppm	1D09503-CAL5	004F0401.D	04/04/11 11:09
11D0044	DRO ICAL4@500ppm	1D09503-CAL4	005F0501.D	04/04/11 11:43
11D0045	DRO ICAL3@1000ppm	1D09503-CAL3	006F0601.D	04/04/11 12:17
11D0046	DRO ICAL2@2500ppm	1D09503-CAL2	007F0701.D	04/04/11 12:51
11D0047	DRO ICAL1@5000ppm	1D09503-CAL1	008F0801.D	04/04/11 13:25

INITIAL CALIBRATION STANDARDS

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D10302	Instrument:	GL-GCFID2
Calibration:	1103001		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
11D0042	DRO ICAL6@100ppm	1D10302-CAL6	003F0301.D	04/12/11 20:52
11D0043	DRO ICAL5@250ppm	1D10302-CAL5	004F0401.D	04/12/11 21:25
11D0044	DRO ICAL4@500ppm	1D10302-CAL4	005F0501.D	04/12/11 21:59
11D0045	DRO ICAL3@1000ppm	1D10302-CAL3	006F0601.D	04/12/11 22:32
11D0046	DRO ICAL2@2500ppm	1D10302-CAL2	007F0701.D	04/12/11 23:06
11D0047	DRO ICAL1@5000ppm	1D10302-CAL1	008F0801.D	04/12/11 23:39

INITIAL CALIBRATION DATA

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1095001	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	4/4/11_10:35	4/4/11_13:25

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF
Diesel Range Organics (C10-C28)	100	1427.21	250	1625.536	500	1816.04	1000	1885.46	2500	2124.87	5000	1929.536
Diesel Range Organics (C8-C40)	100		250		500		1000		2500		5000	
o-Terphenyl	5	1842.4	12.5	1783.04	25	1922.28	50	1972.02	125	2281.96	250	2184.308

INITIAL CALIBRATION DATA (Continued)

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1095001	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	4/4/11 10:35	4/4/11 13:25

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Diesel Range Organics (C10-C28)	1801.442	13.58103	4.56	1.867383E-02			20	
Diesel Range Organics (C8-C40)							20	
o-Terphenyl	1997.668	9.813762	8.2935	0.1611091			20	

INITIAL CALIBRATION DATA

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1103001	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	4/12/11 20:52	4/12/11 23:39

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF
Diesel Range Organics (C10-C28)	100	1812.02	250	1954.752	500	2139.584	1000	2277.531	2500	2287.172	5000	2415.89
Diesel Range Organics (C8-C40)	100		250		500		1000		2500		5000	
o-Terphenyl	5	2173.4	12.5	2119.44	25	2408.04	50	2559.58	125	2726.128	250	2858.092

INITIAL CALIBRATION DATA (Continued)

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1103001	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	4/12/11 20:52	4/12/11 23:39

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Diesel Range Organics (C10-C28)	2147.825	10.58042	4.47	1.151735E-02			20	
Diesel Range Organics (C8-C40)							20	
o-Terphenyl	2474.113	11.9743	8.168167	0.1640602			20	

INITIAL CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	1095001
Lab File ID:	009F0901.D	Calibration Date:	04/04/11 00:00
Sequence:	1D09503	Injection Date:	04/04/11
Lab Sample ID:	1D09503-ICV1	Injection Time:	13:59

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	1125	1801.442	2026.151		12.5	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	1103001
Lab File ID:	009F0901.D	Calibration Date:	04/12/11 00:00
Sequence:	1D10302	Injection Date:	04/13/11
Lab Sample ID:	1D10302-ICV1	Injection Time:	00:13

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	1092	2147.825	2345.9		9.2	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	1095001
Lab File ID:	003F0301.D	Calibration Date:	04/04/11 00:00
Sequence:	1D09805	Injection Date:	04/07/11
Lab Sample ID:	1D09805-CCV1	Injection Time:	09:55

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	1081	1801.442	1947.34		8.1	20
o-Terphenyl	A	50.00	52.90	1997.668	2113.54		5.8	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	1095001
Lab File ID:	012F1201.D	Calibration Date:	04/04/11 00:00
Sequence:	1D09805	Injection Date:	04/07/11
Lab Sample ID:	1D09805-CCV2	Injection Time:	15:01

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	1196	1801.442	2153.936		19.6	20
o-Terphenyl	A	50.00	59.81	1997.668	2389.52		19.6	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	1103001
Lab File ID:	010F1001.D	Calibration Date:	04/12/11 00:00
Sequence:	1D10305	Injection Date:	04/13/11
Lab Sample ID:	1D10305-CCV1	Injection Time:	00:46

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	1155	2147.825	2479.998		15.5	20
o-Terphenyl	A	50.00	55.63	2474.113	2752.52		11.3	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	1103001
Lab File ID:	021F2101.D	Calibration Date:	04/12/11 00:00
Sequence:	1D10305	Injection Date:	04/13/11
Lab Sample ID:	1D10305-CCV2	Injection Time:	06:55

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	1169	2147.825	2510.229		16.9	20
o-Terphenyl	A	50.00	57.31	2474.113	2835.72		14.6	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D09805	Instrument:	GL-GCFID2
		Calibration:	1095001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1D09805-CCV1) mg/L				Lab File ID: 003F0301.D		Analyzed: 04/07/11 09:55		
o-Terphenyl	50.00	106	80 - 120	8.293	8.293	0.0000	+/-0.050	
Blank (1D05009-BLK1) mg/L				Lab File ID: 004F0401.D		Analyzed: 04/07/11 10:29		
o-Terphenyl	0.02000	78.5	30 - 140	8.296	8.293	0.0030	+/-0.050	
LCS (1D05009-BS1) mg/L				Lab File ID: 005F0501.D		Analyzed: 04/07/11 11:04		
o-Terphenyl	0.02000	87.0	30 - 140	8.273	8.293	-0.0200	+/-0.050	
LCS Dup (1D05009-BSD1) mg/L				Lab File ID: 006F0601.D		Analyzed: 04/07/11 11:38		
o-Terphenyl	0.02000	83.6	30 - 140	8.27	8.293	-0.0230	+/-0.050	
GW0047 (1104024-01) mg/L				Lab File ID: 010F1001.D		Analyzed: 04/07/11 13:53		
o-Terphenyl	0.01887	91.5	30 - 140	8.286	8.293	-0.0070	+/-0.050	
GW0069 (1104024-03) mg/L				Lab File ID: 011F1101.D		Analyzed: 04/07/11 14:27		
o-Terphenyl	0.01923	70.6	30 - 140	8.303	8.293	0.0100	+/-0.050	
Calibration Check (1D09805-CCV2) mg/L				Lab File ID: 012F1201.D		Analyzed: 04/07/11 15:01		
o-Terphenyl	50.00	120	80 - 120	8.276	8.293	-0.0170	+/-0.050	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D10305	Instrument:	GL-GCFID2
		Calibration:	1103001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1D10305-CCV1) mg/L				Lab File ID: 010F1001.D		Analyzed: 04/13/11 00:46		
o-Terphenyl	50.00	111	80 - 120	8.156	8.156	0.0000	+/-0.050	
Blank (1D11007-BLK1) mg/L				Lab File ID: 011F1101.D		Analyzed: 04/13/11 01:20		
o-Terphenyl	0.02000	78.2	30 - 140	8.16	8.156	0.0040	+/-0.050	
LCS (1D11007-BS1) mg/L				Lab File ID: 012F1201.D		Analyzed: 04/13/11 01:53		
o-Terphenyl	0.02000	86.4	30 - 140	8.153	8.156	-0.0030	+/-0.050	
GW0040 (1104061-01) mg/L				Lab File ID: 018F1801.D		Analyzed: 04/13/11 05:14		
o-Terphenyl	0.01852	77.7	30 - 140	8.16	8.156	0.0040	+/-0.050	
GW0057 (1104086-01) mg/L				Lab File ID: 019F1901.D		Analyzed: 04/13/11 05:48		
o-Terphenyl	0.01923	71.4	30 - 140	8.163	8.156	0.0070	+/-0.050	
GW0071 (1104086-03) mg/L				Lab File ID: 020F2001.D		Analyzed: 04/13/11 06:21		
o-Terphenyl	0.01961	83.2	30 - 140	8.156	8.156	0.0000	+/-0.050	
Calibration Check (1D10305-CCV2) mg/L				Lab File ID: 021F2101.D		Analyzed: 04/13/11 06:55		
o-Terphenyl	50.00	115	80 - 120	8.16	8.156	0.0040	+/-0.050	

HOLDING TIME SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GW0047	04/04/11 10:01	04/05/11 08:30	04/05/11 14:43	1.15	7.00	04/07/11 13:53	1.97	40.00	
GW0069	04/04/11 13:52	04/05/11 08:30	04/05/11 14:43	0.99	7.00	04/07/11 14:27	1.99	40.00	
GW0040	04/06/11 13:40	04/07/11 08:30	04/11/11 11:28	4.91	7.00	04/13/11 05:14	1.74	40.00	
GW0057	04/07/11 11:50	04/08/11 08:45	04/11/11 11:28	3.98	7.00	04/13/11 05:48	1.76	40.00	
GW0071	04/07/11 14:54	04/08/11 08:45	04/11/11 11:28	3.86	7.00	04/13/11 06:21	1.79	40.00	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_007	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	1D05009-BLK1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	04/07/11 10:29
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 1D05009 Sequence: 1D09805 Calibration: 1095001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.100	0.100	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01571	78.5	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1D05009-BS1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	04/07/11 11:04
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	1D05009	Sequence:	1D09805	Calibration:	1095001	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.8094	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01740	87.0	30 - 140	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1D05009-BSD1	File ID:	006F0601.D
Sampled:		Prepared:		Analyzed:	04/07/11 11:38
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	1D05009	Sequence:	1D09805	Calibration:	1095001	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.7407	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01671	83.6	30 - 140	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1D11007-BLK1	File ID:	011F1101.D
Sampled:		Prepared:		Analyzed:	04/13/11 01:20
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	1D11007	Sequence:	1D10305	Calibration:	1103001	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.100	0.100	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01564	78.2	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1D11007-BS1	File ID:	012F1201.D
Sampled:		Prepared:		Analyzed:	04/13/11 01:53
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	1D11007	Sequence:	1D10305	Calibration:	1103001	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.7038	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01728	86.4	30 - 140	

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_007
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix: Water
Instrument: GL-GCFID2

Analyte	MDL	MRL	Units	Method
Diesel Range Organics (C10-C28)	0.100	0.100	mg/L	SW8015B DRO

Data for SW8011 Forms

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	0L34409	Instrument:	GL-ECD2
Calibration:	0344003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0L34409-CAL1	002R0101.D	12/09/10 14:14
Cal Standard	0L34409-CAL1	002F0101.D	12/09/10 14:14
Cal Standard	0L34409-CAL2	003F0101.D	12/09/10 14:35
Cal Standard	0L34409-CAL2	003R0101.D	12/09/10 14:35
Cal Standard	0L34409-CAL3	004F0101.D	12/09/10 14:56
Cal Standard	0L34409-CAL3	004R0101.D	12/09/10 14:56
Cal Standard	0L34409-CAL4	005R0101.D	12/09/10 15:17
Cal Standard	0L34409-CAL4	005F0101.D	12/09/10 15:17
Cal Standard	0L34409-CAL5	006R0101.D	12/09/10 15:38
Cal Standard	0L34409-CAL5	006F0101.D	12/09/10 15:38
Cal Standard	0L34409-CAL6	007F0101.D	12/09/10 16:00
Cal Standard	0L34409-CAL6	007R0101.D	12/09/10 16:00
Cal Standard	0L34409-CAL7	008F0101.D	12/09/10 16:21
Cal Standard	0L34409-CAL7	008R0101.D	12/09/10 16:21
Cal Standard	0L34409-CAL8	009F0101.D	12/09/10 16:42
Cal Standard	0L34409-CAL8	009R0101.D	12/09/10 16:42
Initial Cal Check	0L34409-ICV1	010R0101.D	12/09/10 17:04
Initial Cal Check	0L34409-ICV1	010F0101.D	12/09/10 17:04

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D10420	Instrument:	GL-ECD2
Calibration:	0344003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1D10420-CCV1	001R0201.D	04/13/11 08:55
LCS	1D09902-BS1	003R0201.D	04/13/11 09:37
Blank	1D09902-BLK1	004R0201.D	04/13/11 09:59
GW0047	1104024-01	005R0201.D	04/13/11 10:20
GW0069	1104024-03	006R0201.D	04/13/11 10:41
GW0057	1104086-01	015R0201.D	04/13/11 13:53
Calibration Check	1D10420-CCV2	016R0201.D	04/13/11 14:15
GW0071	1104086-03	017R0201.D	04/13/11 14:36
Calibration Check	1D10420-CCV3	018R0201.D	04/13/11 14:57

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D11037	Instrument:	GL-ECD2
Calibration:	0344003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1D11037-CCV1	001R0101.D	04/19/11 14:06
Calibration Check	1D11037-CCV1	001F0101.D	04/19/11 14:06
Blank	1D18006-BLK1	003R0101.D	04/19/11 14:43
LCS	1D18006-BS1	004R0101.D	04/19/11 15:05
LCS	1D18006-BS1	004F0101.D	04/19/11 15:05
LCS Dup	1D18006-BSD1	005R0101.D	04/19/11 15:26
LCS Dup	1D18006-BSD1	005F0101.D	04/19/11 15:26
GW0040	1104061-01	006R0101.D	04/19/11 15:48
GW0040	1104061-01	006F0101.D	04/19/11 15:48
Calibration Check	1D11037-CCV2	009R0101.D	04/19/11 16:52
Calibration Check	1D11037-CCV2	009F0101.D	04/19/11 16:52

ANALYSIS DATA SHEET

GW0047

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1104024-01	File ID:	005R0201.D
Sampled:	04/04/11 10:01	Prepared:	04/11/11 13:00	Analyzed:	04/13/11 10:20
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1D09902 Sequence: 1D10420 Calibration: 0344003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.0100	0.0200	0.0300	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0069

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1104024-03	File ID:	006R0201.D
Sampled:	04/04/11 13:52	Prepared:	04/11/11 13:00	Analyzed:	04/13/11 10:41
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1D09902 Sequence: 1D10420 Calibration: 0344003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.0100	0.0200	0.0300	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0040

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1104061-01	File ID:	006F0101.D
Sampled:	04/06/11 13:40	Prepared:	04/18/11 09:50	Analyzed:	04/19/11 15:48
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1D18006 Sequence: 1D11037 Calibration: 0344003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00414	0.00828	0.0124	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0057

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1104086-01	File ID:	015R0201.D
Sampled:	04/07/11 11:50	Prepared:	04/11/11 13:00	Analyzed:	04/13/11 13:53
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1D09902 Sequence: 1D10420 Calibration: 0344003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.0100	0.0200	0.0300	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0071

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1104086-03	File ID:	017R0201.D
Sampled:	04/07/11 14:54	Prepared:	04/11/11 13:00	Analyzed:	04/13/11 14:36
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1D09902 Sequence: 1D10420 Calibration: 0344003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.0100	0.0200	0.0300	U

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D09902	Laboratory ID:	1D09902-BS1
Preparation:	EDB	Initial/Final:	35 mL / 35 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,2-Dibromoethane [2C]	0.5000	0.4447	88.9	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D18006	Laboratory ID:	1D18006-BS1
Preparation:	EDB	Initial/Final:	35 mL / 35 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,2-Dibromoethane	0.5000	0.4080	81.6	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.5698	114	70 - 130

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane	0.5000	0.4072	81.4	0.186	20	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.5595	112	1.82	20	70 - 130

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 1D09902 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0047	1104024-01	04/11/11 13:00	35.00	35.00
GW0069	1104024-03	04/11/11 13:00	35.00	35.00
GW0057	1104086-01	04/11/11 13:00	35.00	35.00
GW0071	1104086-03	04/11/11 13:00	35.00	35.00
Blank	1D09902-BLK1	04/11/11 13:00	35.00	35.00
LCS	1D09902-BS1	04/11/11 13:00	35.00	35.00

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 1D18006 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0040	1104061-01	04/18/11 09:50	63.68	26.37
Blank	1D18006-BLK1	04/18/11 09:50	35.00	35.00
LCS	1D18006-BS1	04/18/11 09:50	35.00	35.00
LCS Dup	1D18006-BSD1	04/18/11 09:50	35.00	35.00

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	1D09902-BLK1	File ID:	004R0201.D
Sampled:		Prepared:	04/11/11 13:00	Analyzed:	04/13/11 09:59
Solids:		Preparation:	EDB	Dilution:	

Batch: 1D09902 Sequence: 1D10420 Calibration: 0344003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.0100	0.0200	0.0300	U

* Values outside of QC limits

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	1D18006-BLK1	File ID:	003R0101.D
Sampled:		Prepared:	04/18/11 09:50	Analyzed:	04/19/11 14:43
Solids:		Preparation:	EDB	Dilution:	

Batch: 1D18006 Sequence: 1D11037 Calibration: 0344003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.0100	0.0200	0.0300	U

* Values outside of QC limits

INITIAL CALIBRATION STANDARDS

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	0L34409	Instrument:	GL-ECD2
Calibration:	0344003		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
10L0344	EDB ICAL 1 (0.03ppb)	0L34409-CAL1	002R0101.D	12/09/10 14:14
10L0344	EDB ICAL 1 (0.03ppb)	0L34409-CAL1	002F0101.D	12/09/10 14:14
10L0345	EDB ICAL 2 (0.05ppb)	0L34409-CAL2	003F0101.D	12/09/10 14:35
10L0345	EDB ICAL 2 (0.05ppb)	0L34409-CAL2	003R0101.D	12/09/10 14:35
10L0346	EDB ICAL 3 (0.10ppb)	0L34409-CAL3	004F0101.D	12/09/10 14:56
10L0346	EDB ICAL 3 (0.10ppb)	0L34409-CAL3	004R0101.D	12/09/10 14:56
10L0347	EDB ICAL 4 (0.15ppb)	0L34409-CAL4	005R0101.D	12/09/10 15:17
10L0347	EDB ICAL 4 (0.15ppb)	0L34409-CAL4	005F0101.D	12/09/10 15:17
10L0348	EDB ICAL 5 (0.20ppb)	0L34409-CAL5	006R0101.D	12/09/10 15:38
10L0348	EDB ICAL 5 (0.20ppb)	0L34409-CAL5	006F0101.D	12/09/10 15:38
10L0349	EDB ICAL 6 (0.40ppb)	0L34409-CAL6	007F0101.D	12/09/10 16:00
10L0349	EDB ICAL 6 (0.40ppb)	0L34409-CAL6	007R0101.D	12/09/10 16:00
10L0350	EDB ICAL 7 (0.50ppb)	0L34409-CAL7	008F0101.D	12/09/10 16:21
10L0350	EDB ICAL 7 (0.50ppb)	0L34409-CAL7	008R0101.D	12/09/10 16:21
10L0351	EDB ICAL 8 (1.00ppb)	0L34409-CAL8	009R0101.D	12/09/10 16:42
10L0351	EDB ICAL 8 (1.00ppb)	0L34409-CAL8	009F0101.D	12/09/10 16:42

INITIAL CALIBRATION DATA

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	0344003	Instrument:	GL-ECD2	
Matrix:	Water	Calibration Dates:	12/9/10 14:14	12/9/10 16:42

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,2-Dibromoethane	1	14540	0.5	15516	0.4	15402.5	0.2	16590	0.15	15980	0.1	~~17600~~
1,2-Dibromoethane [2C]	1	29076	0.5	33560	0.4	33402.5	0.2	38785	0.15	37866.67	0.1	~~42050~~
1,2-Dibromo-3-chloropropane	1	24442	0.5	28986	0.4	28852.5	0.2	31650	0.15	31693.33	0.1	~~45080~~
1,2-Dibromo-3-chloropropane [2C]	1	69695	0.5	78930	0.4	76647.5	0.2	85730	0.15	88033.34	0.1	~~105450~~

INITIAL CALIBRATION DATA (Continued)

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	0344003	Instrument:	GL-ECD2	
Matrix:	Water	Calibration Dates:	12/9/10 14:14	12/9/10 16:42

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,2-Dibromoethane	0.05	23100	0.03	21300								
1,2-Dibromoethane [2C]	0.05	45260	0.03	42333.33								
1,2-Dibromo-3-chloropropane	0.05	52760	0.03	51166.67								
1,2-Dibromo-3-chloropropane [2C]	0.05	155180	0.03	148933.3								

INITIAL CALIBRATION DATA (Continued)

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	0344003	Instrument:	GL-ECD2	
Matrix:	Water	Calibration Dates:	12/9/10 14:14	12/9/10 16:42

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,2-Dibromoethane	17489.79	18.96825	1.543	1.749237E-02		0.9996372	CCC ()	*
1,2-Dibromoethane [2C]	37183.36	15.05167	0.583	2.248094E-02		0.9995717	CCC ()	*
1,2-Dibromo-3-chloropropane	35650.07	32.01128	6.973	2.748517E-02		0.9987968	CCC ()	*
1,2-Dibromo-3-chloropropane [2C]	100449.9	35.64558	4.139286	5.910871E-02		0.9986728	CCC ()	*

INITIAL CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	0344003
Lab File ID:	010F0101.D	Calibration Date:	12/09/10 14:14
Sequence:	0L34409	Injection Date:	12/09/10
Lab Sample ID:	0L34409-ICV1	Injection Time:	17:04

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4746	17489.79	14620		-5.1	20
1,2-Dibromoethane [2C]	Q	0.5000	0.4584	37183.36	30824		-8.3	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	0344003
Lab File ID:	001R0201.D	Calibration Date:	12/09/10 14:14
Sequence:	1D10420	Injection Date:	04/13/11
Lab Sample ID:	1D10420-CCV1	Injection Time:	08:55

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane [2C]	Q	0.5000	0.5960	37183.36	38386		19.2	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	0344003
Lab File ID:	016R0201.D	Calibration Date:	12/09/10 14:14
Sequence:	1D10420	Injection Date:	04/13/11
Lab Sample ID:	1D10420-CCV2	Injection Time:	14:15

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane [2C]	Q	0.5000	0.4856	37183.36	32358		-2.9	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	0344003
Lab File ID:	018R0201.D	Calibration Date:	12/09/10 14:14
Sequence:	1D10420	Injection Date:	04/13/11
Lab Sample ID:	1D10420-CCV3	Injection Time:	14:57

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane [2C]	Q	0.5000	0.5190	37183.36	34218		3.8	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	0344003
Lab File ID:	001F0101.D	Calibration Date:	12/09/10 14:14
Sequence:	1D11037	Injection Date:	04/19/11
Lab Sample ID:	1D11037-CCV1	Injection Time:	14:06

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.5429	17489.79	16568		8.6	20
1,2-Dibromoethane [2C]	Q	0.5000	0.7292	37183.36	45266		45.8	20 *

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	0344003
Lab File ID:	009F0101.D	Calibration Date:	12/09/10 14:14
Sequence:	1D11037	Injection Date:	04/19/11
Lab Sample ID:	1D11037-CCV2	Injection Time:	16:52

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.5300	17489.79	16202		6.0	20
1,2-Dibromoethane [2C]	Q	0.5000	0.6981	37183.36	43694		39.6	20 *

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

HOLDING TIME SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GW0047	04/04/11 10:01	04/05/11 08:30	04/11/11 13:00	N/A	14.00	04/13/11 10:20	8.97	14.00	
GW0069	04/04/11 13:52	04/05/11 08:30	04/11/11 13:00	N/A	14.00	04/13/11 10:41	8.83	14.00	
GW0040	04/06/11 13:40	04/07/11 08:30	04/18/11 09:50	N/A	14.00	04/19/11 15:48	13.09	14.00	
GW0057	04/07/11 11:50	04/08/11 08:45	04/11/11 13:00	N/A	14.00	04/13/11 13:53	6.09	14.00	
GW0071	04/07/11 14:54	04/08/11 08:45	04/11/11 13:00	N/A	14.00	04/13/11 14:36	5.99	14.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_007
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 1D09902-BS1
File ID: 003R0201.D
Sampled:
Prepared:
Analyzed: 04/13/11 09:37
Solids:
Preparation: EDB
Dilution:
Batch: 1D09902
Sequence: 1D10420
Calibration: 0344003
Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.4447	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_007
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	1D18006-BS1	File ID:	004F0101.D
Sampled:		Prepared:		Analyzed:	04/19/11 15:05
Solids:		Preparation:	EDB	Dilution:	

Batch: 1D18006 Sequence: 1D11037 Calibration: 0344003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.4080	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_007
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 1D18006-BS1
File ID: 004R0101.D
Sampled:
Prepared:
Analyzed: 04/19/11 15:05
Solids:
Preparation: EDB
Dilution:
Batch: 1D18006
Sequence: 1D11037
Calibration: 0344003
Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5698	0.0100	0.0200	0.0300	X

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_007
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 1D18006-BSD1
File ID: 005F0101.D
Sampled:
Prepared:
Analyzed: 04/19/11 15:26
Solids:
Preparation: EDB
Dilution:
Batch: 1D18006
Sequence: 1D11037
Calibration: 0344003
Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.4072	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1D18006-BSD1	File ID:	005R0101.D
Sampled:		Prepared:		Analyzed:	04/19/11 15:26
Solids:		Preparation:	EDB	Dilution:	

Batch:	1D18006	Sequence:	1D11037	Calibration:	0344003	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5595	0.0100	0.0200	0.0300	X

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1D18006-BS1 Date(s) Analyzed: 04/19/2011 04/19/2011

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	1.58	1.51	1.57	0.4080	
	2	0.60	0.55	0.61	0.5698	33

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS Dup

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1D18006-BSD1 Date(s) Analyzed: 04/19/2011 04/19/2011

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	1.58	1.51	1.57	0.4072	
	2	0.60	0.55	0.61	0.5595	32

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC **SDG:** Kirtland_007

Client: Shaw E & I (I700) **Project:** Kirtland AFB 2011

Matrix: Water **Instrument:** GL-ECD2

Analyte	MDL	MRL	Units	Method
1,2-Dibromoethane	0.0100	0.0300	ug/L	SW8011
1,2-Dibromoethane [2C]	0.0100	0.0300	ug/L	SW8011

Data for SW6010B Forms

ANALYSIS DATA SHEET

GW0047

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1104024-01
Sampled:	04/04/11 10:01	Received:	04/05/11 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	54500	1000	2000	5000	1		SW6010B	1D07005	04/11/11 12:12
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1D07005	04/11/11 12:12
7439-95-4	Magnesium	6720	1000	3000	5000	1		SW6010B	1D07005	04/11/11 12:12
7440-09-7	Potassium	2460	1000	3000	5000	1	J	SW6010B	1D07005	04/11/11 12:12
7440-23-5	Sodium	28000	1000	3000	5000	1		SW6010B	1D07005	04/11/11 12:12

ANALYSIS DATA SHEET

GW0047

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1104024-02
Sampled:	04/04/11 10:01	Received:	04/05/11 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	1D07005	04/11/11 12:17
7439-96-5	Manganese (dissolved)	13.2	3.00	6.00	15.0	1	J	SW6010B	1D07005	04/11/11 12:17

ANALYSIS DATA SHEET

GW0069

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 04/04/11 13:52
% Solids: 0.00

SDG: Kirtland_007
Project: Kirtland AFB 2011
Laboratory ID: 1104024-03
Received: 04/05/11 08:30

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	41000	1000	2000	5000	1		SW6010B	1D07005	04/11/11 12:21
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1D07005	04/11/11 12:21
7439-95-4	Magnesium	5400	1000	3000	5000	1		SW6010B	1D07005	04/11/11 12:21
7440-09-7	Potassium	2260	1000	3000	5000	1	J	SW6010B	1D07005	04/11/11 12:21
7440-23-5	Sodium	24100	1000	3000	5000	1		SW6010B	1D07005	04/11/11 12:21

ANALYSIS DATA SHEET

GW0069

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1104024-04
Sampled:	04/04/11 13:52	Received:	04/05/11 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	1D07005	04/11/11 12:26
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	1D07005	04/11/11 12:26

ANALYSIS DATA SHEET

GW0040

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1104061-01
Sampled:	04/06/11 13:40	Received:	04/07/11 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	126	30.0	60.0	100	1		SW6010B	1D19002	04/20/11 16:42
7439-96-5	Manganese (dissolved)	351	3.00	6.00	15.0	1		SW6010B	1D19002	04/20/11 16:42

ANALYSIS DATA SHEET

GW0040

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1104061-02
Sampled:	04/06/11 13:40	Received:	04/07/11 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	46500	1000	2000	5000	1		SW6010B	1D19002	04/20/11 16:47
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1D19002	04/20/11 16:47
7439-95-4	Magnesium	6550	1000	3000	5000	1		SW6010B	1D19002	04/20/11 16:47
7440-09-7	Potassium	2370	1000	3000	5000	1	J	SW6010B	1D19002	04/20/11 16:47
7440-23-5	Sodium	23200	1000	3000	5000	1		SW6010B	1D19002	04/20/11 16:47

ANALYSIS DATA SHEET

GW0057

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1104086-01
Sampled:	04/07/11 11:50	Received:	04/08/11 08:45
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	1D22003	04/25/11 22:51
7439-96-5	Manganese (dissolved)	33.6	3.00	6.00	15.0	1		SW6010B	1D22003	04/25/11 22:51

ANALYSIS DATA SHEET

GW0057

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1104086-02
Sampled:	04/07/11 11:50	Received:	04/08/11 08:45
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	36200	1000	2000	5000	1		SW6010B	1D22003	04/25/11 22:56
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1D22003	04/25/11 22:56
7439-95-4	Magnesium	5040	1000	3000	5000	1		SW6010B	1D22003	04/25/11 22:56
7440-09-7	Potassium	2270	1000	3000	5000	1	J	SW6010B	1D22003	04/25/11 22:56
7440-23-5	Sodium	22500	1000	3000	5000	1		SW6010B	1D22003	04/25/11 22:56

ANALYSIS DATA SHEET

GW0071

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1104086-03
Sampled:	04/07/11 14:54	Received:	04/08/11 08:45
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	1D22003	04/25/11 23:00
7439-96-5	Manganese (dissolved)	58.0	3.00	6.00	15.0	1		SW6010B	1D22003	04/25/11 23:00

ANALYSIS DATA SHEET

GW0071

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1104086-04
Sampled:	04/07/11 14:54	Received:	04/08/11 08:45
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	63300	1000	2000	5000	1		SW6010B	1D22003	04/25/11 23:05
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1D22003	04/25/11 23:05
7439-95-4	Magnesium	9110	1000	3000	5000	1		SW6010B	1D22003	04/25/11 23:05
7440-09-7	Potassium	2910	1000	3000	5000	1	J	SW6010B	1D22003	04/25/11 23:05
7440-23-5	Sodium	30700	1000	3000	5000	1		SW6010B	1D22003	04/25/11 23:05

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: Kirtland_007
Project: Kirtland AFB 2011
Calibration: 1102002
Sequence: 1D10215

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1D10215-ICV1	Calcium	50000	51680	103	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10090	101	ug/L	+/- 10.00%
	Lead	1000	1002	100	ug/L	+/- 10.00%
	Magnesium	50000	47390	94.8	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1077	108	ug/L	+/- 10.00%
	Potassium	10000	9087	90.9	ug/L	+/- 10.00%
	Sodium	50000	51070	102	ug/L	+/- 10.00%
1D10215-CCV1	Calcium	50000	49900	99.8	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10270	103	ug/L	+/- 10.00%
	Lead	1000	981.1	98.1	ug/L	+/- 10.00%
	Magnesium	50000	45910	91.8	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1040	104	ug/L	+/- 10.00%
	Potassium	10000	10000	100	ug/L	+/- 10.00%
	Sodium	50000	49940	99.9	ug/L	+/- 10.00%
1D10215-CCV2	Calcium	50000	52960	106	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10530	105	ug/L	+/- 10.00%
	Lead	1000	937.9	93.8	ug/L	+/- 10.00%
	Magnesium	50000	46310	92.6	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1035	104	ug/L	+/- 10.00%
	Potassium	10000	9805	98.0	ug/L	+/- 10.00%
	Sodium	50000	51940	104	ug/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: Kirtland_007
Project: Kirtland AFB 2011
Calibration: 1110005
Sequence: 1D11034

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1D11034-ICV1	Calcium	50000	51130	102	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10150	101	ug/L	+/- 10.00%
	Lead	1000	965.6	96.6	ug/L	+/- 10.00%
	Magnesium	50000	48200	96.4	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1047	105	ug/L	+/- 10.00%
	Potassium	10000	10030	100	ug/L	+/- 10.00%
	Sodium	50000	49910	99.8	ug/L	+/- 10.00%
1D11034-CCV1	Calcium	50000	50980	102	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10640	106	ug/L	+/- 10.00%
	Lead	1000	969.0	96.9	ug/L	+/- 10.00%
	Magnesium	50000	48840	97.7	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1047	105	ug/L	+/- 10.00%
	Potassium	10000	9829	98.3	ug/L	+/- 10.00%
	Sodium	50000	49970	99.9	ug/L	+/- 10.00%
1D11034-CCV5	Calcium	50000	49070	98.1	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10010	100	ug/L	+/- 10.00%
	Lead	1000	948.9	94.9	ug/L	+/- 10.00%
	Magnesium	50000	46370	92.7	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1009	101	ug/L	+/- 10.00%
	Potassium	10000	9796	98.0	ug/L	+/- 10.00%
	Sodium	50000	49020	98.0	ug/L	+/- 10.00%
1D11034-CCV6	Calcium	50000	48340	96.7	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10120	101	ug/L	+/- 10.00%
	Lead	1000	955.2	95.5	ug/L	+/- 10.00%
	Magnesium	50000	46440	92.9	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1004	100	ug/L	+/- 10.00%
	Potassium	10000	9471	94.7	ug/L	+/- 10.00%
	Sodium	50000	47950	95.9	ug/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: Kirtland_007
Project: Kirtland AFB 2011
Calibration: 1116003
Sequence: 1D11605

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1D11605-ICV1	Calcium	50000	51150	102	ug/L	+/- 10.00%
	Iron (dissolved)	10000	9824	98.2	ug/L	+/- 10.00%
	Lead	1000	1006	101	ug/L	+/- 10.00%
	Magnesium	50000	48890	97.8	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1053	105	ug/L	+/- 10.00%
	Potassium	10000	9983	99.8	ug/L	+/- 10.00%
	Sodium	50000	52670	105	ug/L	+/- 10.00%
1D11605-CCV1	Calcium	50000	50580	101	ug/L	+/- 10.00%
	Iron (dissolved)	10000	9923	99.2	ug/L	+/- 10.00%
	Lead	1000	1014	101	ug/L	+/- 10.00%
	Magnesium	50000	48790	97.6	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1039	104	ug/L	+/- 10.00%
	Potassium	10000	9930	99.3	ug/L	+/- 10.00%
	Sodium	50000	52720	105	ug/L	+/- 10.00%
1D11605-CCV5	Calcium	50000	52190	104	ug/L	+/- 10.00%
	Iron (dissolved)	10000	9944	99.4	ug/L	+/- 10.00%
	Lead	1000	1008	101	ug/L	+/- 10.00%
	Magnesium	50000	49540	99.1	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1040	104	ug/L	+/- 10.00%
	Potassium	10000	10400	104	ug/L	+/- 10.00%
	Sodium	50000	54490	109	ug/L	+/- 10.00%
1D11605-CCV6	Calcium	50000	50050	100	ug/L	+/- 10.00%
	Iron (dissolved)	10000	9728	97.3	ug/L	+/- 10.00%
	Lead	1000	1025	102	ug/L	+/- 10.00%
	Magnesium	50000	48280	96.6	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1044	104	ug/L	+/- 10.00%
	Potassium	10000	10150	102	ug/L	+/- 10.00%
	Sodium	50000	53680	107	ug/L	+/- 10.00%

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_007

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 1102002

Sequence: 1D10215

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1D10215-CRL1	Calcium	2000	1986	99.3	ug/L	80 - 120
	Iron (dissolved)	60.00	58.83	98.0	ug/L	80 - 120
	Lead	3.000	3.048	102	ug/L	80 - 120
	Magnesium	3000	2739	91.3	ug/L	80 - 120
	Manganese (dissolved)	6.000	6.573	110	ug/L	80 - 120
	Potassium	3000	2950	98.3	ug/L	80 - 120
	Sodium	3000	2956	98.5	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_007

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 1110005

Sequence: 1D11034

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1D11034-CRL1	Calcium	2000	2060	103	ug/L	80 - 120
	Iron (dissolved)	60.00	65.76	110	ug/L	80 - 120
	Magnesium	3000	2808	93.6	ug/L	80 - 120
	Manganese (dissolved)	6.000	6.590	110	ug/L	80 - 120
	Potassium	3000	2891	96.4	ug/L	80 - 120
	Sodium	3000	3084	103	ug/L	80 - 120
1D11034-CRL2	Lead	3.000	2.484	82.8	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_007

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 1116003

Sequence: 1D11605

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1D11605-CRL1	Calcium	2000	2102	105	ug/L	80 - 120
	Iron (dissolved)	60.00	59.92	99.9	ug/L	80 - 120
	Magnesium	3000	2820	94.0	ug/L	80 - 120
	Manganese (dissolved)	6.000	6.700	112	ug/L	80 - 120
	Potassium	3000	2983	99.4	ug/L	80 - 120
	Sodium	3000	3077	103	ug/L	80 - 120
1D11605-CRL2	Lead	3.000	3.375	113	ug/L	80 - 120

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_007
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 1D10215
Calibration: 1102002

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1D10215-ICB1	Calcium	3.170	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	-1.076	30.0	100	ug/L	U	SW6010B
	Lead	0.6018	1.50	3.00	ug/L	U	SW6010B
	Magnesium	3.810	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.1433	3.00	15.0	ug/L	U	SW6010B
	Potassium	8.990	1000	5000	ug/L	U	SW6010B
	Sodium	4.440	1000	5000	ug/L	U	SW6010B
1D10215-CCB1	Calcium	3.71	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	-1.54	30.0	100	ug/L	U	SW6010B
	Lead	0.357	1.50	3.00	ug/L	U	SW6010B
	Magnesium	3.93	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.0698	3.00	15.0	ug/L	U	SW6010B
	Potassium	15.4	1000	5000	ug/L	U	SW6010B
	Sodium	3.65	1000	5000	ug/L	U	SW6010B
1D07005-BLK1	Calcium	-3.93	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	-0.829	30.0	100	ug/L	U	SW6010B
	Lead	-0.290	1.50	3.00	ug/L	U	SW6010B
	Magnesium	0.610	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.0634	3.00	15.0	ug/L	U	SW6010B
	Potassium	-6.99	1000	5000	ug/L	U	SW6010B
	Sodium	1.90	1000	5000	ug/L	U	SW6010B
1D10215-CCB2	Calcium	11.0	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	-1.45	30.0	100	ug/L	U	SW6010B
	Lead	0.440	1.50	3.00	ug/L	U	SW6010B
	Magnesium	5.15	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.143	3.00	15.0	ug/L	U	SW6010B
	Potassium	12.1	1000	5000	ug/L	U	SW6010B
	Sodium	12.0	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_007
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 1D11034
Calibration: 1110005

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1D11034-ICB1	Calcium	3.440	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	0.03223	30.0	100	ug/L	U	SW6010B
	Lead	-0.2524	1.50	3.00	ug/L	U	SW6010B
	Magnesium	17.96	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.08257	3.00	15.0	ug/L	U	SW6010B
	Potassium	5.630	1000	5000	ug/L	U	SW6010B
	Sodium	61.85	1000	5000	ug/L	U	SW6010B
1D11034-CCB1	Calcium	0.660	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	-0.283	30.0	100	ug/L	U	SW6010B
	Lead	-0.412	1.50	3.00	ug/L	U	SW6010B
	Magnesium	17.0	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.0386	3.00	15.0	ug/L	U	SW6010B
	Potassium	18.4	1000	5000	ug/L	U	SW6010B
	Sodium	195	1000	5000	ug/L	U	SW6010B
1D11034-CCB5	Calcium	35.9	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	3.57	30.0	100	ug/L	U	SW6010B
	Lead	-0.445	1.50	3.00	ug/L	U	SW6010B
	Magnesium	14.9	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.454	3.00	15.0	ug/L	U	SW6010B
	Potassium	21.1	1000	5000	ug/L	U	SW6010B
	Sodium	177	1000	5000	ug/L	U	SW6010B
1D19002-BLK1	Calcium	66.4	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	6.32	30.0	100	ug/L	U	SW6010B
	Lead	-0.761	1.50	3.00	ug/L	U	SW6010B
	Magnesium	20.2	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.327	3.00	15.0	ug/L	U	SW6010B
	Potassium	23.1	1000	5000	ug/L	U	SW6010B
	Sodium	-36.8	1000	5000	ug/L	U	SW6010B
1D11034-CCB6	Calcium	6.71	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	3.18	30.0	100	ug/L	U	SW6010B
	Lead	-0.158	1.50	3.00	ug/L	U	SW6010B
	Magnesium	16.5	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.114	3.00	15.0	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_007
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 1D11034
Calibration: 1110005

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1D11034-CCB6	Potassium	27.1	1000	5000	ug/L	U	SW6010B
	Sodium	319	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_007
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 1D11605
Calibration: 1116003

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1D11605-ICB1	Calcium	11.41	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	1.417	30.0	100	ug/L	U	SW6010B
	Lead	0.4841	1.50	3.00	ug/L	U	SW6010B
	Magnesium	12.93	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.3208	3.00	15.0	ug/L	U	SW6010B
	Potassium	-8.670	1000	5000	ug/L	U	SW6010B
	Sodium	-0.7500	1000	5000	ug/L	U	SW6010B
1D11605-CCB1	Calcium	1.88	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	0.913	30.0	100	ug/L	U	SW6010B
	Lead	0.0864	1.50	3.00	ug/L	U	SW6010B
	Magnesium	7.22	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.0554	3.00	15.0	ug/L	U	SW6010B
	Potassium	-4.52	1000	5000	ug/L	U	SW6010B
	Sodium	8.19	1000	5000	ug/L	U	SW6010B
1D11605-CCB5	Calcium	15.8	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	0.167	30.0	100	ug/L	U	SW6010B
	Lead	1.23	1.50	3.00	ug/L	U	SW6010B
	Magnesium	7.57	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.408	3.00	15.0	ug/L	U	SW6010B
	Potassium	-8.23	1000	5000	ug/L	U	SW6010B
	Sodium	17.5	1000	5000	ug/L	U	SW6010B
1D22003-BLK1	Calcium	18.4	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	0.348	30.0	100	ug/L	U	SW6010B
	Lead	0.250	1.50	3.00	ug/L	U	SW6010B
	Magnesium	11.3	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.290	3.00	15.0	ug/L	U	SW6010B
	Potassium	0.370	1000	5000	ug/L	U	SW6010B
	Sodium	9.65	1000	5000	ug/L	U	SW6010B
1D11605-CCB6	Calcium	6.57	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	1.16	30.0	100	ug/L	U	SW6010B
	Lead	1.11	1.50	3.00	ug/L	U	SW6010B
	Magnesium	5.51	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	1.56	3.00	15.0	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_007
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 1D11605
Calibration: 1116003

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1D11605-CCB6	Potassium	-28.2	1000	5000	ug/L	U	SW6010B
	Sodium	17.9	1000	5000	ug/L	U	SW6010B

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_007
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 1102002
Sequence: 1D10215

Lab Sample ID	Analyte	True	Found	%R	Units
1D10215-IFA1	Calcium	500000	478,240.00	95.6	ug/L
	Iron (dissolved)	200000	198,470.00	99.2	ug/L
	Lead		13.20		ug/L
	Magnesium	500000	494,140.00	98.8	ug/L
	Manganese (dissolved)		4.22		ug/L
	Potassium		-61.64		ug/L
	Sodium		21.74		ug/L
1D10215-IFB1	Calcium	500000	471,700.00	94.3	ug/L
	Iron (dissolved)	200000	191,310.00	95.7	ug/L
	Lead	50.00	58.38	117	ug/L
	Magnesium	500000	483,660.00	96.7	ug/L
	Manganese (dissolved)	500.0	491.66	98.3	ug/L
	Potassium		-40.65		ug/L
	Sodium		55.18		ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_007
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 1110005
Sequence: 1D11034

Lab Sample ID	Analyte	True	Found	%R	Units
1D11034-IFA1	Calcium	500000	477,330.00	95.5	ug/L
	Iron (dissolved)	200000	197,780.00	98.9	ug/L
	Lead		7.95		ug/L
	Magnesium	500000	491,530.00	98.3	ug/L
	Manganese (dissolved)		4.29		ug/L
	Potassium		-116.50		ug/L
	Sodium		-82.71		ug/L
1D11034-IFB1	Calcium	500000	454,590.00	90.9	ug/L
	Iron (dissolved)	200000	186,040.00	93.0	ug/L
	Lead	50.00	52.87	106	ug/L
	Magnesium	500000	462,440.00	92.5	ug/L
	Manganese (dissolved)	500.0	455.44	91.1	ug/L
	Potassium		-92.99		ug/L
	Sodium		-28.41		ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_007
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 1116003
Sequence: 1D11605

Lab Sample ID	Analyte	True	Found	%R	Units
1D11605-IFA1	Calcium	500000	480,850.00	96.2	ug/L
	Iron (dissolved)	200000	189,890.00	94.9	ug/L
	Lead		-0.51		ug/L
	Magnesium	500000	498,570.00	99.7	ug/L
	Manganese (dissolved)		6.39		ug/L
	Potassium		-88.12		ug/L
	Sodium		17.07		ug/L
1D11605-IFB1	Calcium	500000	456,880.00	91.4	ug/L
	Iron (dissolved)	200000	173,010.00	86.5	ug/L
	Lead	50.00	46.81	93.6	ug/L
	Magnesium	500000	466,260.00	93.3	ug/L
	Manganese (dissolved)	500.0	452.20	90.4	ug/L
	Potassium		-59.81		ug/L
	Sodium		42.25		ug/L

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D07005	Laboratory ID:	1D07005-BS1
Preparation:	MET_3005A	Initial/Final:	50 mL / 50 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Calcium	5000	5256	105	80 - 120
Iron (dissolved)	1000	1109	111	80 - 120
Lead	250.0	250.5	100	80 - 120
Magnesium	5000	4574	91.5	80 - 120
Manganese (dissolved)	500.0	539.3	108	80 - 120
Potassium	5000	5006	100	80 - 120
Sodium	5000	5300	106	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D19002	Laboratory ID:	1D19002-BS1
Preparation:	MET_3005A	Initial/Final:	50 mL / 50 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Calcium	5000	4752	95.0	80 - 120
Iron (dissolved)	1000	1012	101	80 - 120
Lead	250.0	241.0	96.4	80 - 120
Magnesium	5000	4299	86.0	80 - 120
Manganese (dissolved)	500.0	515.0	103	80 - 120
Potassium	5000	4716	94.3	80 - 120
Sodium	5000	4882	97.6	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D22003	Laboratory ID:	1D22003-BS1
Preparation:	MET_3005A	Initial/Final:	50 mL / 50 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Calcium	5000	5034	101	80 - 120
Iron (dissolved)	1000	1012	101	80 - 120
Lead	250.0	258.1	103	80 - 120
Magnesium	5000	4601	92.0	80 - 120
Manganese (dissolved)	500.0	535.8	107	80 - 120
Potassium	5000	4974	99.5	80 - 120
Sodium	5000	5335	107	80 - 120

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC **SDG:** Kirtland_007

Client: Shaw E & I (I700) **Project:** Kirtland AFB 2011

Matrix: Water **Instrument:** ME-ICP

Analyte	MDL	MRL	Units	Method
Calcium	1000	5000	ug/L	SW6010B
Iron (dissolved)	30.0	100	ug/L	SW6010B
Lead	1.50	3.00	ug/L	SW6010B
Magnesium	1000	5000	ug/L	SW6010B
Manganese (dissolved)	3.00	15.0	ug/L	SW6010B
Potassium	1000	5000	ug/L	SW6010B
Sodium	1000	5000	ug/L	SW6010B

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_007

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Ag
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0002980	0.0000000	0.0000080	0.0003250	0.0000000
Lead	220.3	0.0002980	0.0000000	0.0000080	0.0003250	0.0000000
Lead	220.3	0.0002980	0.0000000	0.0000080	0.0003250	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000140	0.0287450	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000140	0.0287450	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000140	0.0287450	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_007

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for: As	B	Ba	Be	Cd
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_007

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Co	Cr	Cu	K	Mn
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0022600	0.0000000	0.0000990
Lead	220.3	0.0000000	0.0000000	0.0022600	0.0000000	0.0000990
Lead	220.3	0.0000000	0.0000000	0.0022600	0.0000000	0.0000990
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_007

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Mo	Na	Ni	Pb	Sb
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.0026440	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.0026440	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.0026440	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_007

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for: Se	Sn	Ti	Tl	V
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000360
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000360
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000360
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000300
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000300
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000300
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_007

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for: Zn				
Calcium	317.9	0.0000000				
Calcium	317.9	0.0000000				
Calcium	317.9	0.0000000				
Iron	261.1	0.0000000				
Iron	261.1	0.0000000				
Iron	261.1	0.0000000				
Lead	220.3	0.0000000				
Lead	220.3	0.0000000				
Lead	220.3	0.0000000				
Magnesium	279.0	0.0000000				
Magnesium	279.0	0.0000000				
Magnesium	279.0	0.0000000				
Manganese	257.6	0.0000000				
Manganese	257.6	0.0000000				
Manganese	257.6	0.0000000				
Potassium	766.4	0.0000000				
Potassium	766.4	0.0000000				
Potassium	766.4	0.0000000				
Sodium	330.2	0.0000000				
Sodium	330.2	0.0000000				
Sodium	330.2	0.0000000				

Comments:

FORM XA-IN

ICP-AES AND ICP-MS LINEAR RANGES (QUARTERLY)

Lab Name: Empirical Laboratories, LLC

Client: Shaw E & I (I700) SDG: Kirtland_007

Project: Kirtland AFB 2011

ICP Instrument ID: ME-ICP Date: 09/11/2009

Analyte	Integ. Time (Sec.)	Concentration ug/L	M
Calcium	15	500000	P
Calcium	15	500000	P
Calcium	15	500000	P
Iron	15	500000	P
Iron	15	500000	P
Iron	15	500000	P
Lead	15	10000	P
Lead	15	10000	P
Lead	15	10000	P
Magnesium	15	500000	P
Magnesium	15	500000	P
Magnesium	15	500000	P
Manganese	15	10000	P
Manganese	15	10000	P
Manganese	15	10000	P
Potassium	15	100000	P
Potassium	15	100000	P
Potassium	15	100000	P
Sodium	15	500000	P
Sodium	15	500000	P
Sodium	15	500000	P

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 1D07005 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0047	1104024-01	04/07/11 08:05	50.00	50.00
GW0047	1104024-02	04/07/11 08:05	50.00	50.00
GW0069	1104024-03	04/07/11 08:05	50.00	50.00
GW0069	1104024-04	04/07/11 08:05	50.00	50.00
Blank	1D07005-BLK1	04/07/11 08:05	50.00	50.00
Blank	1D07005-BLK1	04/07/11 08:05	50.00	50.00
LCS	1D07005-BS1	04/07/11 08:05	50.00	50.00
LCS	1D07005-BS1	04/07/11 08:05	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 1D19002 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0040	1104061-01	04/19/11 07:35	50.00	50.00
GW0040	1104061-02	04/19/11 07:35	50.00	50.00
Blank	1D19002-BLK1	04/19/11 07:35	50.00	50.00
Blank	1D19002-BLK1	04/19/11 07:35	50.00	50.00
LCS	1D19002-BS1	04/19/11 07:35	50.00	50.00
LCS	1D19002-BS1	04/19/11 07:35	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 1D22003 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0057	1104086-01	04/22/11 08:09	50.00	50.00
GW0057	1104086-02	04/22/11 08:09	50.00	50.00
GW0071	1104086-03	04/22/11 08:09	50.00	50.00
GW0071	1104086-04	04/22/11 08:09	50.00	50.00
Blank	1D22003-BLK1	04/22/11 08:09	50.00	50.00
Blank	1D22003-BLK1	04/22/11 08:09	50.00	50.00
LCS	1D22003-BS1	04/22/11 08:09	50.00	50.00
LCS	1D22003-BS1	04/22/11 08:09	50.00	50.00

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D10215	Instrument:	ME-ICP
Calibration:	1102002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1D10215-CAL1	041111A-001	04/11/11 09:56
Cal Standard	1D10215-CAL1	041111A-001	04/11/11 09:56
Cal Standard	1D10215-CAL2	041111A-002	04/11/11 10:01
Cal Standard	1D10215-CAL2	041111A-002	04/11/11 10:01
Cal Standard	1D10215-CAL3	041111A-003	04/11/11 10:06
Cal Standard	1D10215-CAL3	041111A-003	04/11/11 10:06
Cal Standard	1D10215-CAL4	041111A-004	04/11/11 10:10
Cal Standard	1D10215-CAL5	041111A-005	04/11/11 10:15
Cal Standard	1D10215-CAL5	041111A-005	04/11/11 10:15
Cal Standard	1D10215-CAL6	041111A-006	04/11/11 10:20
Cal Standard	1D10215-CAL6	041111A-006	04/11/11 10:20
Cal Standard	1D10215-CAL7	041111A-007	04/11/11 10:25
Cal Standard	1D10215-CAL8	041111A-008	04/11/11 10:30
Initial Cal Check	1D10215-ICV1	041111B-001	04/11/11 11:00
Initial Cal Check	1D10215-ICV1	041111B-001	04/11/11 11:00
Initial Cal Blank	1D10215-ICB1	041111B-002	04/11/11 11:07
Initial Cal Blank	1D10215-ICB1	041111B-002	04/11/11 11:07
Instrument RL Check	1D10215-CRL1	041111B-003	04/11/11 11:12
Instrument RL Check	1D10215-CRL1	041111B-003	04/11/11 11:12
Interference Check A	1D10215-IFA1	041111B-007	04/11/11 11:33
Interference Check A	1D10215-IFA1	041111B-007	04/11/11 11:33
Interference Check B	1D10215-IFB1	041111B-008	04/11/11 11:38
Interference Check B	1D10215-IFB1	041111B-008	04/11/11 11:38
Calibration Check	1D10215-CCV1	041111B-010	04/11/11 11:49
Calibration Check	1D10215-CCV1	041111B-010	04/11/11 11:49
Calibration Blank	1D10215-CCB1	041111B-011	04/11/11 11:57
Calibration Blank	1D10215-CCB1	041111B-011	04/11/11 11:57
Blank	1D07005-BLK1	041111B-012	04/11/11 12:01
Blank	1D07005-BLK1	041111B-012	04/11/11 12:01
LCS	1D07005-BS1	041111B-013	04/11/11 12:06
LCS	1D07005-BS1	041111B-013	04/11/11 12:06
GW0047	1104024-01	041111B-014	04/11/11 12:12

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D10215	Instrument:	ME-ICP
Calibration:	1102002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0047	1104024-02	041111B-015	04/11/11 12:17
GW0069	1104024-03	041111B-016	04/11/11 12:21
GW0069	1104024-04	041111B-017	04/11/11 12:26
Calibration Check	1D10215-CCV2	041111B-025	04/11/11 13:04
Calibration Check	1D10215-CCV2	041111B-025	04/11/11 13:04
Calibration Blank	1D10215-CCB2	041111B-026	04/11/11 13:11
Calibration Blank	1D10215-CCB2	041111B-026	04/11/11 13:11

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D11034	Instrument:	ME-ICP
Calibration:	1110005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1D11034-CAL1	042011A-001	04/20/11 09:34
Cal Standard	1D11034-CAL1	042011A-001	04/20/11 09:34
Cal Standard	1D11034-CAL2	042011A-002	04/20/11 09:39
Cal Standard	1D11034-CAL2	042011A-002	04/20/11 09:39
Cal Standard	1D11034-CAL3	042011A-003	04/20/11 09:44
Cal Standard	1D11034-CAL3	042011A-003	04/20/11 09:44
Cal Standard	1D11034-CAL4	042011A-004	04/20/11 09:48
Cal Standard	1D11034-CAL5	042011A-005	04/20/11 09:53
Cal Standard	1D11034-CAL5	042011A-005	04/20/11 09:53
Cal Standard	1D11034-CAL6	042011A-006	04/20/11 09:59
Cal Standard	1D11034-CAL6	042011A-006	04/20/11 09:59
Cal Standard	1D11034-CAL7	042011A-007	04/20/11 10:04
Cal Standard	1D11034-CAL8	042011A-008	04/20/11 10:10
Initial Cal Check	1D11034-ICV1	042011B-001	04/20/11 10:51
Initial Cal Check	1D11034-ICV1	042011B-001	04/20/11 10:51
Initial Cal Blank	1D11034-ICB1	042011B-002	04/20/11 10:58
Initial Cal Blank	1D11034-ICB1	042011B-002	04/20/11 10:58
Instrument RL Check	1D11034-CRL1	042011B-003	04/20/11 11:03
Instrument RL Check	1D11034-CRL1	042011B-003	04/20/11 11:03
Instrument RL Check	1D11034-CRL2	042011B-005	04/20/11 11:13
Interference Check A	1D11034-IFA1	042011B-006	04/20/11 11:17
Interference Check A	1D11034-IFA1	042011B-006	04/20/11 11:17
Interference Check B	1D11034-IFB1	042011B-007	04/20/11 11:23
Interference Check B	1D11034-IFB1	042011B-007	04/20/11 11:23
Calibration Check	1D11034-CCV1	042011B-009	04/20/11 11:34
Calibration Check	1D11034-CCV1	042011B-009	04/20/11 11:34
Calibration Blank	1D11034-CCB1	042011B-010	04/20/11 11:41
Calibration Blank	1D11034-CCB1	042011B-010	04/20/11 11:41
Calibration Check	1D11034-CCV5	042011D-011	04/20/11 16:05
Calibration Check	1D11034-CCV5	042011D-011	04/20/11 16:05
Calibration Blank	1D11034-CCB5	042011D-012	04/20/11 16:12
Calibration Blank	1D11034-CCB5	042011D-012	04/20/11 16:12

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D11034	Instrument:	ME-ICP
Calibration:	1110005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Blank	1D19002-BLK1	042011D-013	04/20/11 16:17
Blank	1D19002-BLK1	042011D-013	04/20/11 16:17
LCS	1D19002-BS1	042011D-014	04/20/11 16:22
LCS	1D19002-BS1	042011D-014	04/20/11 16:22
GW0040	1104061-01	042011D-018	04/20/11 16:42
GW0040	1104061-02	042011D-019	04/20/11 16:47
Calibration Check	1D11034-CCV6	042011D-029	04/20/11 17:37
Calibration Check	1D11034-CCV6	042011D-029	04/20/11 17:37
Calibration Blank	1D11034-CCB6	042011D-030	04/20/11 17:44
Calibration Blank	1D11034-CCB6	042011D-030	04/20/11 17:44

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D11605	Instrument:	ME-ICP
Calibration:	1116003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1D11605-CAL1	042511A-001	04/25/11 14:57
Cal Standard	1D11605-CAL1	042511A-001	04/25/11 14:57
Cal Standard	1D11605-CAL3	042511A-003	04/25/11 15:06
Cal Standard	1D11605-CAL3	042511A-003	04/25/11 15:06
Cal Standard	1D11605-CAL4	042511A-004	04/25/11 15:11
Cal Standard	1D11605-CAL5	042511A-005	04/25/11 15:16
Cal Standard	1D11605-CAL5	042511A-005	04/25/11 15:16
Cal Standard	1D11605-CAL6	042511A-006	04/25/11 15:21
Cal Standard	1D11605-CAL6	042511A-006	04/25/11 15:21
Cal Standard	1D11605-CAL7	042511A-007	04/25/11 15:26
Cal Standard	1D11605-CAL8	042511A-008	04/25/11 15:31
Cal Standard	1D11605-CAL2	042511A-009	04/25/11 15:37
Cal Standard	1D11605-CAL2	042511A-009	04/25/11 15:37
Initial Cal Check	1D11605-ICV1	042511B-001	04/25/11 16:29
Initial Cal Check	1D11605-ICV1	042511B-001	04/25/11 16:29
Initial Cal Blank	1D11605-ICB1	042511B-002	04/25/11 16:36
Initial Cal Blank	1D11605-ICB1	042511B-002	04/25/11 16:36
Instrument RL Check	1D11605-CRL1	042511B-003	04/25/11 16:41
Instrument RL Check	1D11605-CRL1	042511B-003	04/25/11 16:41
Instrument RL Check	1D11605-CRL2	042511B-004	04/25/11 16:46
Interference Check A	1D11605-IFA1	042511B-007	04/25/11 17:02
Interference Check A	1D11605-IFA1	042511B-007	04/25/11 17:02
Interference Check B	1D11605-IFB1	042511B-008	04/25/11 17:07
Interference Check B	1D11605-IFB1	042511B-008	04/25/11 17:07
Calibration Check	1D11605-CCV1	042511B-010	04/25/11 17:17
Calibration Check	1D11605-CCV1	042511B-010	04/25/11 17:17
Calibration Blank	1D11605-CCB1	042511B-011	04/25/11 17:25
Calibration Blank	1D11605-CCB1	042511B-011	04/25/11 17:25
Calibration Check	1D11605-CCV5	042511B-064	04/25/11 21:51
Calibration Check	1D11605-CCV5	042511B-064	04/25/11 21:51
Calibration Blank	1D11605-CCB5	042511B-065	04/25/11 21:58
Calibration Blank	1D11605-CCB5	042511B-065	04/25/11 21:58

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D11605	Instrument:	ME-ICP
Calibration:	1116003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Blank	1D22003-BLK1	042511B-066	04/25/11 22:03
Blank	1D22003-BLK1	042511B-066	04/25/11 22:03
LCS	1D22003-BS1	042511B-067	04/25/11 22:08
LCS	1D22003-BS1	042511B-067	04/25/11 22:08
GW0057	1104086-01	042511B-076	04/25/11 22:51
GW0057	1104086-02	042511B-077	04/25/11 22:56
GW0071	1104086-03	042511B-078	04/25/11 23:00
GW0071	1104086-04	042511B-079	04/25/11 23:05
Calibration Check	1D11605-CCV6	042511B-082	04/25/11 23:20
Calibration Check	1D11605-CCV6	042511B-082	04/25/11 23:20
Calibration Blank	1D11605-CCB6	042511B-083	04/25/11 23:27
Calibration Blank	1D11605-CCB6	042511B-083	04/25/11 23:27

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1102002	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	4/11/11 9:56 4/11/11 10:30

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum	0	0	5000	1.7116E-05	10000	1.7654E-05			500000	1.76148E-05		
Antimony	0	0	100	0.0007283	1000	7.6701E-04					10000	7.6226E-04
Arsenic	0	0	100	0.0002335	1000	2.5294E-04					10000	2.5503E-04
Barium	0	0	50	0.0129712	1000	0.012238	5000	0.0125078				
Beryllium	0	0	100	0.0026833	1000	0.0026927					10000	0.0026346
Boron	0	0	50	0.0000138	1000	1.337E-05					5000	1.3482E-05
Cadmium	0	0	100	0.0094793	1000	0.009446					10000	0.0090084
Calcium	0	0	1100	4.181818E-05	50000	4.1478E-05					10000	
Chromium	0	0	100	0.0000365	1000	0.0000351					10000	3.6181E-05
Cobalt	0	0	100	0.0060961	1000	0.006031					10000	0.0061191
Copper	0	0	100	0.0000774	1000	7.374999E-05					10000	7.3688E-05
Iron	0	0	5100	1.410588E-05	10000	1.3919E-05			500000	1.34906E-05	10000	
Lead	0	0	100	0.0013763	1000	0.0013485					10000	0.0013701
Magnesium	0	0	5100		50000	1.6768E-06			500000	1.80024E-06	10000	
Manganese	0	0	100	0.0002418	1000	2.3296E-04	10000	2.1825E-04			10000	
Molybdenum	0	0	100	0.0043368	1000	0.0043699					10000	0.0043401
Nickel	0	0	100	0.0030743	1000	0.0031465					10000	0.0032119
Potassium	0	0	1000	7.01E-06	10000	8.99E-06						
Selenium	0	0	100	0.0004727	1000	4.6172E-04					10000	4.5561E-04
Silver	0	0	20	0.0000525	500	4.902E-05	2000	5.0245E-05				
Sodium	0	0	1000		50000	3.8302E-05						
Strontium	0	0	100	0.001507	1000	0.00148					10000	0.001496
Thallium	0	0	100	0.0007745	1000	7.7552E-04					10000	7.8503E-04
Tin	0	0	50	0.001279	1000	0.0013118					5000	1.31164E-03
Titanium	0	0	100	0.0002065	1000	2.0264E-04					10000	2.0978E-04
Vanadium	0	0	100	0.0000443	1000	4.286E-05					10000	4.3179E-05
Zinc	0	0	100	0.0059751	1000	0.0059731					10000	0.0058104
Aluminum	0	0	5000	1.7116E-05	10000	1.7654E-05			500000	1.76148E-05		
Antimony	0	0	100	0.0007283	1000	7.6701E-04					10000	7.6226E-04
Arsenic	0	0	100	0.0002335	1000	2.5294E-04					10000	2.5503E-04
Barium	0	0	50	0.0129712	1000	0.012238	5000	0.0125078				

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1102002	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	4/11/11 9:56 4/11/11 10:30

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Beryllium	0	0	100	0.0026833	1000	0.0026927					10000	0.0026346
Boron	0	0	50	0.0000138	1000	1.337E-05					5000	1.3482E-05
Cadmium	0	0	100	0.0094793	1000	0.009446					10000	0.0090084
Calcium	0	0	1100	4.181818E-05	50000	4.1478E-05					10000	
Chromium	0	0	100	0.0000365	1000	0.0000351					10000	3.6181E-05
Cobalt	0	0	100	0.0060961	1000	0.006031					10000	0.0061191
Copper	0	0	100	0.0000774	1000	7.374999E-05					10000	7.3688E-05
Iron	0	0	5100	1.410588E-05	10000	1.3919E-05			500000	1.34906E-05	10000	
Lead	0	0	100	0.0013763	1000	0.0013485					10000	0.0013701
Magnesium	0	0	5100		50000	1.6768E-06			500000	1.80024E-06	10000	
Manganese	0	0	100	0.0002418	1000	2.3296E-04	10000	2.1825E-04			10000	
Molybdenum	0	0	100	0.0043368	1000	0.0043699					10000	0.0043401
Nickel	0	0	100	0.0030743	1000	0.0031465					10000	0.0032119
Potassium	0	0	1000	7.01E-06	10000	8.99E-06						
Selenium	0	0	100	0.0004727	1000	4.6172E-04					10000	4.5561E-04
Silver	0	0	20	0.0000525	500	4.902E-05	2000	5.0245E-05				
Sodium	0	0	1000		50000	3.8302E-05						
Strontium	0	0	100	0.001507	1000	0.00148					10000	0.001496
Thallium	0	0	100	0.0007745	1000	7.7552E-04					10000	7.8503E-04
Tin	0	0	50	0.001279	1000	0.0013118					5000	1.31164E-03
Titanium	0	0	100	0.0002065	1000	2.0264E-04					10000	2.0978E-04
Vanadium	0	0	100	0.0000443	1000	4.286E-05					10000	4.3179E-05
Zinc	0	0	100	0.0059751	1000	0.0059731					10000	0.0058104

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1102002	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	4/11/11 9:56 4/11/11 10:30

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum												
Antimony												
Arsenic												
Barium												
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	4.0392E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	1.7062E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	9.4536E-06										
Selenium												
Silver												
Sodium	100000	3.8342E-05	500000	3.8604E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												
Aluminum												
Antimony												
Arsenic												
Barium												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1102002	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	4/11/11 9:56 4/11/11 10:30

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	4.0392E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	1.7062E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	9.4536E-06										
Selenium												
Silver												
Sodium	100000	3.8342E-05	500000	3.8604E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_007	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1102002		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	4/11/11 9:56	4/11/11 10:30

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.30962E-05	66.69289	3.875847	179.0619	0.9999999		0.998	
Antimony	5.643925E-04	66.73659	7.200113	190.9893	0.9999991		0.998	
Arsenic	1.853675E-04	66.87148	4.170332	162.0874	0.9999997		0.998	
Barium	9.42925E-03	66.74396	2.662235	188.5872	0.9999779		0.998	
Beryllium	2.00265E-03	66.67879	12.6736	194.5072	0.9999955		0.998	
Boron	1.0163E-05	66.69075	2.89551	110.8479	0.9999959		0.998	
Cadmium	6.983425E-03	66.73743	4.288412	191.5529	0.9999785		0.998	
Calcium	3.092204E-05	66.69568	1.084197	107.235	0.999993		0.998	
Chromium	2.694525E-05	66.70373	15.73143	180.9639	0.9999907		0.998	
Cobalt	4.56155E-03	66.67169	1.371393	160.5832	0.9999978		0.998	
Copper	5.62095E-05	66.73812	1.306395	71.08743	0.9999998		0.998	
Iron	1.037887E-05	66.71284	16.13357	196.6749	0.9999997		0.998	
Lead	1.023725E-03	66.67683	39.33587	198.6553	0.9999974		0.998	
Magnesium	1.29581E-06	66.79035	31.55332	197.1412	0.9998918		0.998	
Manganese	1.732525E-04	66.90199	11.44892	181.4326	0.9999597		0.998	
Molybdenum	0.0032617	66.66823	2.98002	179.7133	0.9999996		0.998	
Nickel	2.358175E-03	66.70924	0.4922325	95.80697	0.9999971		0.998	
Potassium	6.3634E-06	68.71509	1.677903	137.7189	0.9999917		0.998	
Selenium	3.475075E-04	66.69771	4.606218	181.0401	0.999999		0.998	
Silver	3.794125E-05	66.77481	9.42118	175.5956	0.9999541		0.998	
Sodium	2.8812E-05	66.66828	4.962733	188.2001	0.9999981		0.998	
Strontium	1.12075E-03	66.67401	6.449	191.3741	0.9999988		0.998	
Thallium	5.837625E-04	66.67162	3.241503	176.3931	0.9999988		0.998	
Tin	9.7561E-04	66.68541	1.619653	130.2128	1		0.998	
Titanium	1.5473E-04	66.69333	12.31197	197.2557	0.9999886		0.998	
Vanadium	3.258475E-05	66.6936	4.02043	131.7634	0.9999991		0.998	
Zinc	4.43965E-03	66.68932	21.50126	198.2454	0.9999928		0.998	
Aluminum	1.30962E-05	66.69289	3.875847	179.0619	0.9999999		0.998	
Antimony	5.643925E-04	66.73659	7.200113	190.9893	0.9999991		0.998	
Arsenic	1.853675E-04	66.87148	4.170332	162.0874	0.9999997		0.998	
Barium	9.42925E-03	66.74396	2.662235	188.5872	0.9999779		0.998	
Beryllium	2.00265E-03	66.67879	12.6736	194.5072	0.9999955		0.998	

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_007	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1102002		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	4/11/11 9:56	4/11/11 10:30

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Boron	1.0163E-05	66.69075	2.89551	110.8479	0.9999959		0.998	
Cadmium	6.983425E-03	66.73743	4.288412	191.5529	0.9999785		0.998	
Calcium	3.092204E-05	66.69568	1.084197	107.235	0.999993		0.998	
Chromium	2.694525E-05	66.70373	15.73143	180.9639	0.9999907		0.998	
Cobalt	4.56155E-03	66.67169	1.371393	160.5832	0.9999978		0.998	
Copper	5.62095E-05	66.73812	1.306395	71.08743	0.9999998		0.998	
Iron	1.037887E-05	66.71284	16.13357	196.6749	0.9999997		0.998	
Lead	1.023725E-03	66.67683	39.33587	198.6553	0.9999974		0.998	
Magnesium	1.29581E-06	66.79035	31.55332	197.1412	0.9998918		0.998	
Manganese	1.732525E-04	66.90199	11.44892	181.4326	0.9999597		0.998	
Molybdenum	0.0032617	66.66823	2.98002	179.7133	0.9999996		0.998	
Nickel	2.358175E-03	66.70924	0.4922325	95.80697	0.9999971		0.998	
Potassium	6.3634E-06	68.71509	1.677903	137.7189	0.9999917		0.998	
Selenium	3.475075E-04	66.69771	4.606218	181.0401	0.999999		0.998	
Silver	3.794125E-05	66.77481	9.42118	175.5956	0.9999541		0.998	
Sodium	2.8812E-05	66.66828	4.962733	188.2001	0.9999981		0.998	
Strontium	1.12075E-03	66.67401	6.449	191.3741	0.9999988		0.998	
Thallium	5.837625E-04	66.67162	3.241503	176.3931	0.9999988		0.998	
Tin	9.7561E-04	66.68541	1.619653	130.2128	1		0.998	
Titanium	1.5473E-04	66.69333	12.31197	197.2557	0.9999886		0.998	
Vanadium	3.258475E-05	66.6936	4.02043	131.7634	0.9999991		0.998	
Zinc	4.43965E-03	66.68932	21.50126	198.2454	0.9999928		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1110005	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	4/20/11 9:34 4/20/11 10:10

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum	0	0	5000	1.7678E-05	10000	1.8049E-05			500000	1.79758E-05		
Antimony	0	0	100	0.0007874	1000	8.4787E-04					10000	8.1835E-04
Arsenic	0	0	100	0.0003352	1000	3.6725E-04					10000	0.0003515
Barium	0	0	50	0.013039	1000	0.012547	5000	0.0121818				
Beryllium	0	0	100	0.0026836	1000	0.0027299					10000	0.0024612
Boron	0	0	50	0.0000124	1000	1.282E-05					5000	1.2382E-05
Cadmium	0	0	100	0.015246	1000	0.015539					10000	0.014277
Calcium	0	0	1100	3.797273E-05	50000	3.7234E-05					10000	
Chromium	0	0	100	0.0000358	1000	3.449E-05					10000	3.3862E-05
Cobalt	0	0	100	0.0064147	1000	0.006461					10000	0.0063641
Copper	0	0	100	0.0000827	1000	7.949999E-05					10000	7.6775E-05
Iron	0	0	5100	1.40098E-05	10000	1.3664E-05			500000	1.225E-05	10000	
Lead	0	0	100	0.0014105	1000	0.0014002					10000	0.0013899
Magnesium	0	0	5100		50000	1.5262E-06			500000	1.59276E-06	10000	
Manganese	0	0	100	0.00023	1000	2.2145E-04	10000	2.0604E-04			10000	
Molybdenum	0	0	100	0.0041559	1000	0.0043443					10000	0.0042182
Nickel	0	0	100	0.0034765	1000	0.0033768					10000	0.0033117
Potassium	0	0	1000	7.99E-06	10000	9.61E-06						
Selenium	0	0	100	0.000456	1000	4.6448E-04					10000	4.4277E-04
Silver	0	0	20	0.0000515	500	4.818E-05	2000	5.038E-05				
Sodium	0	0	1000		50000	4.2254E-05						
Strontium	0	0	100	0.00155	1000	0.001543					10000	0.001457
Thallium	0	0	100	0.0008923	1000	8.9686E-04					10000	8.7471E-04
Tin	0	0	50	0.001304	1000	0.0013434					5000	1.30278E-03
Titanium	0	0	100	0.0002076	1000	2.0431E-04					10000	1.9833E-04
Vanadium	0	0	100	0.0000421	1000	4.083E-05					10000	3.953E-05
Zinc	0	0	100	0.0056788	1000	0.0058876					10000	0.0056291
Aluminum	0	0	5000	1.7678E-05	10000	1.8049E-05			500000	1.79758E-05		
Antimony	0	0	100	0.0007874	1000	8.4787E-04					10000	8.1835E-04
Arsenic	0	0	100	0.0003352	1000	3.6725E-04					10000	0.0003515
Barium	0	0	50	0.013039	1000	0.012547	5000	0.0121818				

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1110005	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	4/20/11 9:34 4/20/11 10:10

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Beryllium	0	0	100	0.0026836	1000	0.0027299					10000	0.0024612
Boron	0	0	50	0.0000124	1000	1.282E-05					5000	1.2382E-05
Cadmium	0	0	100	0.015246	1000	0.015539					10000	0.014277
Calcium	0	0	1100	3.797273E-05	50000	3.7234E-05					10000	
Chromium	0	0	100	0.0000358	1000	3.449E-05					10000	3.3862E-05
Cobalt	0	0	100	0.0064147	1000	0.006461					10000	0.0063641
Copper	0	0	100	0.0000827	1000	7.949999E-05					10000	7.6775E-05
Iron	0	0	5100	1.40098E-05	10000	1.3664E-05			500000	1.225E-05	10000	
Lead	0	0	100	0.0014105	1000	0.0014002					10000	0.0013899
Magnesium	0	0	5100		50000	1.5262E-06			500000	1.59276E-06	10000	
Manganese	0	0	100	0.00023	1000	2.2145E-04	10000	2.0604E-04			10000	
Molybdenum	0	0	100	0.0041559	1000	0.0043443					10000	0.0042182
Nickel	0	0	100	0.0034765	1000	0.0033768					10000	0.0033117
Potassium	0	0	1000	7.99E-06	10000	9.61E-06						
Selenium	0	0	100	0.000456	1000	4.6448E-04					10000	4.4277E-04
Silver	0	0	20	0.0000515	500	4.818E-05	2000	5.038E-05				
Sodium	0	0	1000		50000	4.2254E-05						
Strontium	0	0	100	0.00155	1000	0.001543					10000	0.001457
Thallium	0	0	100	0.0008923	1000	8.9686E-04					10000	8.7471E-04
Tin	0	0	50	0.001304	1000	0.0013434					5000	1.30278E-03
Titanium	0	0	100	0.0002076	1000	2.0431E-04					10000	1.9833E-04
Vanadium	0	0	100	0.0000421	1000	4.083E-05					10000	3.953E-05
Zinc	0	0	100	0.0056788	1000	0.0058876					10000	0.0056291

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1110005	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	4/20/11 9:34 4/20/11 10:10

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum												
Antimony												
Arsenic												
Barium												
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	3.5806E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	1.5535E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	9.6424E-06										
Selenium												
Silver												
Sodium	100000	4.0396E-05	500000	4.0796E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												
Aluminum												
Antimony												
Arsenic												
Barium												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1110005	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	4/20/11 9:34 4/20/11 10:10

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	3.5806E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	1.5535E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	9.6424E-06										
Selenium												
Silver												
Sodium	100000	4.0396E-05	500000	4.0796E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_007	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1110005		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	4/20/11 9:34	4/20/11 10:10

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.34257E-05	66.67738	9.68826	176.2102	1		0.998	
Antimony	6.13405E-04	66.78805	11.24007	184.7328	0.999985		0.998	
Arsenic	2.634875E-04	66.85137	9.14919	176.1114	0.9999767		0.998	
Barium	9.44195E-03	66.77036	3.19633	137.103	0.9999646		0.998	
Beryllium	1.968675E-03	66.93233	10.00396	185.9072	0.9998878		0.998	
Boron	9.4005E-06	66.70141	5.620872	184.9005	0.9999464		0.998	
Cadmium	0.0112655	66.83831	3.276718	152.2017	0.9999264		0.998	
Calcium	2.775318E-05	66.74538	4.052527	166.7076	0.9999846		0.998	
Chromium	2.6038E-05	66.73873	13.36742	195.2252	0.9999971		0.998	
Cobalt	4.80995E-03	66.67174	2.47807	147.0987	0.9999979		0.998	
Copper	5.974375E-05	66.78976	1.387982	102.6855	0.9999907		0.998	
Iron	9.980951E-06	67.10156	31.33113	193.913	0.9999962		0.998	
Lead	1.05015E-03	66.67147	5.961223	179.9537	0.9999996		0.998	
Magnesium	1.168115E-06	66.70768	14.45525	186.5661	0.9999729		0.998	
Manganese	1.643725E-04	66.93897	4.87142	173.6866	0.9999503		0.998	
Molybdenum	0.0031796	66.71221	10.24301	186.9111	0.9999906		0.998	
Nickel	2.54125E-03	66.71998	1.681517	124.9822	0.9999975		0.998	
Potassium	6.8106E-06	67.62205	4.402972	163.6635	0.9999988		0.998	
Selenium	3.408125E-04	66.71818	5.340835	171.3968	0.9999784		0.998	
Silver	3.7515E-05	66.76794	3.289747	130.9317	0.9998613		0.998	
Sodium	3.08615E-05	66.71685	4.951525	131.4078	0.9999759		0.998	
Strontium	0.0011375	66.77024	1.3237	77.89416	0.9999678		0.998	
Thallium	6.659675E-04	66.68208	2.614618	151.8006	0.9999935		0.998	
Tin	9.87545E-04	66.69404	33.36887	194.7364	0.9999572		0.998	
Titanium	1.5256E-04	66.7141	6.255733	180.0551	0.9999923		0.998	
Vanadium	3.0615E-05	66.7547	4.316093	189.531	0.9999911		0.998	
Zinc	4.298875E-03	66.71755	21.06829	194.1934	0.9999791		0.998	
Aluminum	1.34257E-05	66.67738	9.68826	176.2102	1		0.998	
Antimony	6.13405E-04	66.78805	11.24007	184.7328	0.999985		0.998	
Arsenic	2.634875E-04	66.85137	9.14919	176.1114	0.9999767		0.998	
Barium	9.44195E-03	66.77036	3.19633	137.103	0.9999646		0.998	
Beryllium	1.968675E-03	66.93233	10.00396	185.9072	0.9998878		0.998	

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_007	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1110005		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	4/20/11 9:34	4/20/11 10:10

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Boron	9.4005E-06	66.70141	5.620872	184.9005	0.9999464		0.998	
Cadmium	0.0112655	66.83831	3.276718	152.2017	0.9999264		0.998	
Calcium	2.775318E-05	66.74538	4.052527	166.7076	0.9999846		0.998	
Chromium	2.6038E-05	66.73873	13.36742	195.2252	0.9999971		0.998	
Cobalt	4.80995E-03	66.67174	2.47807	147.0987	0.9999979		0.998	
Copper	5.974375E-05	66.78976	1.387982	102.6855	0.9999907		0.998	
Iron	9.980951E-06	67.10156	31.33113	193.913	0.9999962		0.998	
Lead	1.05015E-03	66.67147	5.961223	179.9537	0.9999996		0.998	
Magnesium	1.168115E-06	66.70768	14.45525	186.5661	0.9999729		0.998	
Manganese	1.643725E-04	66.93897	4.87142	173.6866	0.9999503		0.998	
Molybdenum	0.0031796	66.71221	10.24301	186.9111	0.9999906		0.998	
Nickel	2.54125E-03	66.71998	1.681517	124.9822	0.9999975		0.998	
Potassium	6.8106E-06	67.62205	4.402972	163.6635	0.9999988		0.998	
Selenium	3.408125E-04	66.71818	5.340835	171.3968	0.9999784		0.998	
Silver	3.7515E-05	66.76794	3.289747	130.9317	0.9998613		0.998	
Sodium	3.08615E-05	66.71685	4.951525	131.4078	0.9999759		0.998	
Strontium	0.0011375	66.77024	1.3237	77.89416	0.9999678		0.998	
Thallium	6.659675E-04	66.68208	2.614618	151.8006	0.9999935		0.998	
Tin	9.87545E-04	66.69404	33.36887	194.7364	0.9999572		0.998	
Titanium	1.5256E-04	66.7141	6.255733	180.0551	0.9999923		0.998	
Vanadium	3.0615E-05	66.7547	4.316093	189.531	0.9999911		0.998	
Zinc	4.298875E-03	66.71755	21.06829	194.1934	0.9999791		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1116003	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	4/25/11_14:57 4/25/11_15:37

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum	0	0	5000	1.4606E-05	10000	1.4754E-05			500000	1.48626E-05		
Antimony	0	0	100	0.0006029	1000	0.0006625					10000	0.000644
Arsenic	0	0	100	0.0002803	1000	3.1025E-04					10000	2.9816E-04
Barium	0	0	50	0.0104302	1000	0.010166	5000	0.009961				
Beryllium	0	0	100	0.0020028	1000	0.0022252					10000	0.002044
Boron	0	0	50	0.0000108	1000	1.132E-05					5000	1.0866E-05
Cadmium	0	0	100	0.011372	1000	0.012054					10000	0.011218
Calcium	0	0	1100	3.161818E-05	50000	3.1906E-05					10000	
Chromium	0	0	100	0.0000278	1000	0.0000301					10000	2.941E-05
Cobalt	0	0	100	0.0049253	1000	0.0051392					10000	0.0050987
Copper	0	0	100	0.0000638	1000	6.467E-05					10000	6.1598E-05
Iron	0	0	5100	9.988235E-06	10000	1.1013E-05			500000	9.724E-06	10000	
Lead	0	0	100	0.0011043	1000	0.0011343					10000	0.0011286
Magnesium	0	0	5100		50000	1.233E-06			500000	1.28402E-06	10000	
Manganese	0	0	100	0.00019	1000	1.9492E-04	10000	1.7888E-04			10000	
Molybdenum	0	0	100	0.0034819	1000	0.0035941					10000	0.003505
Nickel	0	0	100	0.0028692	1000	0.0028677					10000	0.0028267
Potassium	0	0	1000	7.08E-06	10000	7.803999E-06						
Selenium	0	0	100	0.000374	1000	3.8572E-04					10000	0.0003718
Silver	0	0	20	0.000043	500	4.064E-05	2000	4.192E-05				
Sodium	0	0	1000		50000	3.3672E-05						
Strontium	0	0	100	0.001225	1000	0.001308					10000	0.001275
Thallium	0	0	100	0.0006522	1000	6.8407E-04					10000	6.7098E-04
Tin	0	0	50	0.0010374	1000	0.0011113					5000	0.0010837
Titanium	0	0	100	0.0001633	1000	1.6897E-04					10000	1.6681E-04
Vanadium	0	0	100	0.0000342	1000	3.605E-05					10000	3.4718E-05
Zinc	0	0	100	0.0046835	1000	0.0048919					10000	0.0046994
Aluminum	0	0	5000	1.4606E-05	10000	1.4754E-05			500000	1.48626E-05		
Antimony	0	0	100	0.0006029	1000	0.0006625					10000	0.000644
Arsenic	0	0	100	0.0002803	1000	3.1025E-04					10000	2.9816E-04
Barium	0	0	50	0.0104302	1000	0.010166	5000	0.009961				

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1116003	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	4/25/11_14:57 4/25/11_15:37

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Beryllium	0	0	100	0.0020028	1000	0.0022252					10000	0.002044
Boron	0	0	50	0.0000108	1000	1.132E-05					5000	1.0866E-05
Cadmium	0	0	100	0.011372	1000	0.012054					10000	0.011218
Calcium	0	0	1100	3.161818E-05	50000	3.1906E-05					10000	
Chromium	0	0	100	0.0000278	1000	0.0000301					10000	2.941E-05
Cobalt	0	0	100	0.0049253	1000	0.0051392					10000	0.0050987
Copper	0	0	100	0.0000638	1000	6.467E-05					10000	6.1598E-05
Iron	0	0	5100	9.988235E-06	10000	1.1013E-05			500000	9.724E-06	10000	
Lead	0	0	100	0.0011043	1000	0.0011343					10000	0.0011286
Magnesium	0	0	5100		50000	1.233E-06			500000	1.28402E-06	10000	
Manganese	0	0	100	0.00019	1000	1.9492E-04	10000	1.7888E-04			10000	
Molybdenum	0	0	100	0.0034819	1000	0.0035941					10000	0.003505
Nickel	0	0	100	0.0028692	1000	0.0028677					10000	0.0028267
Potassium	0	0	1000	7.08E-06	10000	7.803999E-06						
Selenium	0	0	100	0.000374	1000	3.8572E-04					10000	0.0003718
Silver	0	0	20	0.000043	500	4.064E-05	2000	4.192E-05				
Sodium	0	0	1000		50000	3.3672E-05						
Strontium	0	0	100	0.001225	1000	0.001308					10000	0.001275
Thallium	0	0	100	0.0006522	1000	6.8407E-04					10000	6.7098E-04
Tin	0	0	50	0.0010374	1000	0.0011113					5000	0.0010837
Titanium	0	0	100	0.0001633	1000	1.6897E-04					10000	1.6681E-04
Vanadium	0	0	100	0.0000342	1000	3.605E-05					10000	3.4718E-05
Zinc	0	0	100	0.0046835	1000	0.0048919					10000	0.0046994

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1116003	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	4/25/11 14:57 4/25/11 15:37

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum												
Antimony												
Arsenic												
Barium												
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	3.0524E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	1.2264E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	8.0181E-06										
Selenium												
Silver												
Sodium	100000	3.3204E-05	500000	3.2088E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												
Aluminum												
Antimony												
Arsenic												
Barium												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1116003	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	4/25/11 14:57 4/25/11 15:37

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	3.0524E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	1.2264E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	8.0181E-06										
Selenium												
Silver												
Sodium	100000	3.3204E-05	500000	3.2088E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_007	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1116003		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	4/25/11 14:57	4/25/11 15:37

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.105565E-05	66.67345	4.474847	179.9685	1		0.998	
Antimony	4.7735E-04	66.87056	5.487737	162.9688	0.9999889		0.998	
Arsenic	2.221775E-04	66.89623	3.432923	146.8839	0.9999794		0.998	
Barium	0.0076393	66.71405	3.609668	167.6923	0.9999834		0.998	
Beryllium	0.001568	66.95075	5.68584	176.5578	0.9999191		0.998	
Boron	8.2465E-06	66.72556	7.458888	166.804	0.9999258		0.998	
Cadmium	0.008661	66.79848	6.56826	166.6399	0.9999451		0.998	
Calcium	2.351205E-05	66.71472	1.211902	161.6735	0.9999798		0.998	
Chromium	2.18275E-05	66.8127	6.206943	160.7626	0.999993		0.998	
Cobalt	0.0037908	66.71157	2.287373	118.0106	0.999999		0.998	
Copper	4.7517E-05	66.72216	1.34944	60.14042	0.9999785		0.998	
Iron	7.681309E-06	67.05836	11.57266	185.8682	0.9999942		0.998	
Lead	0.0008418	66.68457	51.93958	196.7424	0.9999996		0.998	
Magnesium	9.35855E-07	66.72341	49.00562	197.9293	0.9999239		0.998	
Manganese	1.4095E-04	66.83639	12.87009	185.2985	0.9999236		0.998	
Molybdenum	2.64525E-03	66.69175	6.295108	176.8973	0.9999935		0.998	
Nickel	0.0021409	66.67302	2.1448	124.6611	0.9999985		0.998	
Potassium	5.725525E-06	67.03426	2.785187	114.2583	0.999997		0.998	
Selenium	2.8288E-04	66.70164	3.182578	144.5995	0.9999872		0.998	
Silver	3.139E-05	66.73746	5.296865	160.1754	0.9999301		0.998	
Sodium	2.4741E-05	66.72074	1.68666	75.09501	0.9999517		0.998	
Strontium	0.000952	66.76294	4.464275	168.1366	0.9999922		0.998	
Thallium	5.018125E-04	66.7176	11.59886	183.9028	0.9999954		0.998	
Tin	0.0008081	66.77335	58.9232	196.7959	0.9999695		0.998	
Titanium	1.2477E-04	66.69296	3.700847	169.2104	0.9999981		0.998	
Vanadium	2.6242E-05	66.73277	5.653853	152.9523	0.999985		0.998	
Zinc	0.0035687	66.71948	928.1401	199.7874	0.999983		0.998	
Aluminum	1.105565E-05	66.67345	4.474847	179.9685	1		0.998	
Antimony	4.7735E-04	66.87056	5.487737	162.9688	0.9999889		0.998	
Arsenic	2.221775E-04	66.89623	3.432923	146.8839	0.9999794		0.998	
Barium	0.0076393	66.71405	3.609668	167.6923	0.9999834		0.998	
Beryllium	0.001568	66.95075	5.68584	176.5578	0.9999191		0.998	

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_007	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1116003		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	4/25/11 14:57	4/25/11 15:37

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Boron	8.2465E-06	66.72556	7.458888	166.804	0.9999258		0.998	
Cadmium	0.008661	66.79848	6.56826	166.6399	0.9999451		0.998	
Calcium	2.351205E-05	66.71472	1.211902	161.6735	0.9999798		0.998	
Chromium	2.18275E-05	66.8127	6.206943	160.7626	0.999993		0.998	
Cobalt	0.0037908	66.71157	2.287373	118.0106	0.999999		0.998	
Copper	4.7517E-05	66.72216	1.34944	60.14042	0.9999785		0.998	
Iron	7.681309E-06	67.05836	11.57266	185.8682	0.9999942		0.998	
Lead	0.0008418	66.68457	51.93958	196.7424	0.9999996		0.998	
Magnesium	9.35855E-07	66.72341	49.00562	197.9293	0.9999239		0.998	
Manganese	1.4095E-04	66.83639	12.87009	185.2985	0.9999236		0.998	
Molybdenum	2.64525E-03	66.69175	6.295108	176.8973	0.9999935		0.998	
Nickel	0.0021409	66.67302	2.1448	124.6611	0.9999985		0.998	
Potassium	5.725525E-06	67.03426	2.785187	114.2583	0.999997		0.998	
Selenium	2.8288E-04	66.70164	3.182578	144.5995	0.9999872		0.998	
Silver	3.139E-05	66.73746	5.296865	160.1754	0.9999301		0.998	
Sodium	2.4741E-05	66.72074	1.68666	75.09501	0.9999517		0.998	
Strontium	0.000952	66.76294	4.464275	168.1366	0.9999922		0.998	
Thallium	5.018125E-04	66.7176	11.59886	183.9028	0.9999954		0.998	
Tin	0.0008081	66.77335	58.9232	196.7959	0.9999695		0.998	
Titanium	1.2477E-04	66.69296	3.700847	169.2104	0.9999981		0.998	
Vanadium	2.6242E-05	66.73277	5.653853	152.9523	0.999985		0.998	
Zinc	0.0035687	66.71948	928.1401	199.7874	0.999983		0.998	

Data for Wet Chemistry Forms

ANALYSIS DATA SHEET

GW0047

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 04/04/11 10:01
% Solids: 0.00

SDG: Kirtland_007
Project: Kirtland AFB 2011
Laboratory ID: 1104024-01
Received: 04/05/11 08:30

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	1D06002	04/06/11 14:37
18496-25-8	Sulfide		0.741	1.85	3.70	0.74	U	SM4500S2CF	1D08015	04/08/11 19:46
10-09-3	Alkalinity, Bicarbonate (as CACO3)	163	1.00	1.00	1.00	1		SM2320B	1D06010	04/06/11 16:15
16887-00-6	Chloride	11.7	0.170	0.330	0.500	1		E300.0	1D05007	04/05/11 15:17
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1D06010	04/06/11 16:15
14797-55-8	Nitrate as N	0.464	0.0330	0.100	0.200	1		E300.0	1D05007	04/05/11 15:17
14808-79-8	Sulfate as SO4	33.4	0.330	1.00	2.00	1		E300.0	1D05007	04/05/11 15:17

ANALYSIS DATA SHEET

GW0069

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 04/04/11 13:52
% Solids: 0.00

SDG: Kirtland_007
Project: Kirtland AFB 2011
Laboratory ID: 1104024-03
Received: 04/05/11 08:30

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	1D06002	04/06/11 14:38
18496-25-8	Sulfide		0.741	1.85	3.70	0.74	U	SM4500S2CF	1D08015	04/08/11 19:46
10-09-3	Alkalinity, Bicarbonate (as CACO3)	127	1.00	1.00	1.00	1		SM2320B	1D06010	04/06/11 16:25
16887-00-6	Chloride	8.44	0.170	0.330	0.500	1		E300.0	1D05007	04/05/11 15:34
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1D06010	04/06/11 16:25
14797-55-8	Nitrate as N	0.164	0.0330	0.100	0.200	1	J	E300.0	1D05007	04/05/11 15:34
14808-79-8	Sulfate as SO4	29.4	0.330	1.00	2.00	1		E300.0	1D05007	04/05/11 15:34

ANALYSIS DATA SHEET

GW0040

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1104061-01
Sampled:	04/06/11 13:40	Received:	04/07/11 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N	0.116	0.110	0.150	0.300	1	J	SM4500NH3BG	1D22009	04/22/11 14:38
18496-25-8	Sulfide		0.702	1.75	3.51	0.7	U	SM4500S2CF	1D13021	04/13/11 18:04
10-09-3	Alkalinity, Bicarbonate (as CACO3)	158	1.00	1.00	1.00	1		SM2320B	1D20012	04/20/11 16:20
16887-00-6	Chloride	13.6	0.170	0.330	0.500	1		E300.0	1D07021	04/07/11 16:04
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1D20012	04/20/11 16:20
14797-55-8	Nitrate as N	0.0390	0.0330	0.100	0.200	1	J	E300.0	1D07021	04/07/11 16:04
14808-79-8	Sulfate as SO4	31.8	0.330	1.00	2.00	1		E300.0	1D07021	04/07/11 16:04

ANALYSIS DATA SHEET

GW0057

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1104086-01
Sampled:	04/07/11 11:50	Received:	04/08/11 08:45
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	1D26012	04/27/11 09:23
18496-25-8	Sulfide		0.690	1.72	3.45	0.69	U	SM4500S2CF	1D14018	04/14/11 18:03
10-09-3	Alkalinity, Bicarbonate (as CACO3)	98.8	1.00	1.00	1.00	1		SM2320B	1D21009	04/21/11 18:30
16887-00-6	Chloride	7.88	0.170	0.330	0.500	1		E300.0	1D08016	04/08/11 19:10
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1D21009	04/21/11 18:30
14797-55-8	Nitrate as N	0.178	0.0330	0.100	0.200	1	J	E300.0	1D08016	04/08/11 19:10
14808-79-8	Sulfate as SO4	27.6	0.330	1.00	2.00	1		E300.0	1D08016	04/08/11 19:10

ANALYSIS DATA SHEET

GW0071

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Ground Water
Sampled: 04/07/11 14:54
% Solids: 0.00

SDG: Kirtland_007
Project: Kirtland AFB 2011
Laboratory ID: 1104086-03
Received: 04/08/11 08:45

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N	0.128	0.110	0.150	0.300	1	J	SM4500NH3BG	1D26012	04/27/11 09:24
18496-25-8	Sulfide		0.714	1.79	3.57	0.71	U	SM4500S2CF	1D14018	04/14/11 18:03
10-09-3	Alkalinity, Bicarbonate (as CACO3)	163	1.00	1.00	1.00	1		SM2320B	1D21009	04/21/11 18:40
16887-00-6	Chloride	28.6	0.170	0.330	0.500	1		E300.0	1D08016	04/08/11 19:27
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1D21009	04/21/11 18:40
14797-55-8	Nitrate as N	0.106	0.0330	0.100	0.200	1	J	E300.0	1D08016	04/08/11 19:27
14808-79-8	Sulfate as SO4	36.9	0.330	1.00	2.00	1		E300.0	1D08016	04/08/11 19:27

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_007
Project: Kirtland AFB 2011
Calibration: 0295001
Sequence: 0J29503

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
0J29503-ICV1	Chloride	4.800	4.639	96.6	mg/L	+/- 10.00%
	Nitrate as N	3.616	3.531	97.6	mg/L	+/- 10.00%
	Sulfate as SO4	24.00	23.53	98.0	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-Lachat

SDG: Kirtland_007
Project: Kirtland AFB 2011
Calibration: UNASSIGNED
Sequence: 1D09612

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1D09612-ICV1	Ammonia as N	2.000	2.093	105	mg/L	+/- 10.00%
1D09612-CCV1	Ammonia as N	2.000	2.113	106	mg/L	+/- 10.00%
1D09612-CCV2	Ammonia as N	2.000	2.142	107	mg/L	+/- 10.00%
1D09612-CCV3	Ammonia as N	2.000	1.945	97.2	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_007
Project: Kirtland AFB 2011
Calibration: 0295001
Sequence: 1D09901

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1D09901-CCV1	Chloride	25.00	26.76	107	mg/L	+/- 10.00%
	Nitrate as N	2.500	2.570	103	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.57	106	mg/L	+/- 10.00%
1D09901-CCV2	Chloride	25.00	26.95	108	mg/L	+/- 10.00%
	Nitrate as N	2.500	2.583	103	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.92	108	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_007
Project: Kirtland AFB 2011
Calibration: 0295001
Sequence: 1D11210

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1D11210-CCV1	Chloride	25.00	27.01	108	mg/L	+/- 10.00%
	Nitrate as N	2.500	2.623	105	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.98	108	mg/L	+/- 10.00%
1D11210-CCV2	Chloride	25.00	27.38	110	mg/L	+/- 10.00%
	Nitrate as N	2.500	2.655	106	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	27.46	110	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-Lachat

SDG: Kirtland_007
Project: Kirtland AFB 2011
Calibration: 1112003
Sequence: 1D11217

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1D11217-ICV1	Ammonia as N	2.000	2.170	108	mg/L	+/- 10.00%
1D11217-CCV1	Ammonia as N	2.000	2.160	108	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-Lachat

SDG: Kirtland_007
Project: Kirtland AFB 2011
Calibration: 1117001
Sequence: 1D11704

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1D11704-ICV1	Ammonia as N	2.000	2.105	105	mg/L	+/- 10.00%
1D11704-CCV1	Ammonia as N	2.000	2.187	109	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_007
Project: Kirtland AFB 2011
Calibration: 0295001
Sequence: 1D11707

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1D11707-CCV1	Chloride	25.00	26.26	105	mg/L	+/- 10.00%
	Nitrate as N	2.500	2.529	101	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.08	104	mg/L	+/- 10.00%
1D11707-CCV2	Chloride	25.00	26.51	106	mg/L	+/- 10.00%
	Nitrate as N	2.500	2.515	101	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.58	106	mg/L	+/- 10.00%

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_007

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 0295001

Sequence: 0J29503

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0J29503-CRL2	Chloride	1.000	0.8730	87.3	mg/L	75 - 125
	Nitrate as N	0.1000	0.09500	95.0	mg/L	75 - 125
	Sulfate as SO4	1.000	1.023	102	mg/L	75 - 125

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_007

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 0295001

Sequence: 1D09901

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1D09901-CRL1	Chloride	0.5000	0.3790	75.8	mg/L	75 - 125
	Nitrate as N	0.05000	0.05000	100	mg/L	75 - 125
	Sulfate as SO4	0.5000	0.5140	103	mg/L	75 - 125

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_007

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 0295001

Sequence: 1D11210

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1D11210-CRL1	Chloride	0.5000	0.3950	79.0	mg/L	75 - 125
	Nitrate as N	0.05000	0.05000	100	mg/L	75 - 125
	Sulfate as SO4	0.5000	0.5640	113	mg/L	75 - 125

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_007

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 0295001

Sequence: 1D11707

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1D11707-CRL1	Chloride	0.5000	0.4030	80.6	mg/L	75 - 125
	Nitrate as N	0.05000	0.05500	110	mg/L	75 - 125
1D11707-CRL2	Sulfate as SO4	1.000	1.086	109	mg/L	75 - 125

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_007
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1D05007

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1D05007-BLK1	Chloride	-0.00200	0.170	0.500	mg/L	U	E300.0
	Nitrate as N	0.00	0.0330	0.200	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_007
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1D06002

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1D06002-BLK1	Ammonia as N	-0.00408	0.110	0.300	mg/L	U	SM4500NH3BG

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_007
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1D06010

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1D06010-BLK1	Alkalinity, Total (as CACO3)	0.408	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_007
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1D07021

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1D07021-BLK1	Chloride	-0.0440	0.170	0.500	mg/L	U	E300.0
	Nitrate as N	0.00	0.0330	0.200	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_007
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1D08015

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1D08015-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_007
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1D08016

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1D08016-BLK1	Chloride	-0.0720	0.170	0.500	mg/L	U	E300.0
	Nitrate as N	0.00	0.0330	0.200	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_007
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1D13021

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1D13021-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_007
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1D14018

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1D14018-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_007
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1D20012

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1D20012-BLK1	Alkalinity, Total (as CACO3)	0.00	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_007
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1D21009

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1D21009-BLK1	Alkalinity, Total (as CACO3)	-0.760	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_007
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1D22009

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1D22009-BLK1	Ammonia as N	0.0210	0.110	0.300	mg/L	U	SM4500NH3BG

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_007
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1D26012

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1D26012-BLK1	Ammonia as N	-0.00618	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_007
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 0J29503
Calibration: 0295001
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
0J29503-ICB1	Chloride	0.01700	0.170	0.500	mg/L	U	E300.0
	Nitrate as N	0.000	0.0330	0.200	mg/L	U	E300.0
	Sulfate as SO4	0.08000	0.330	2.00	mg/L	U	E300.0

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_007
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1D09612
Calibration: UNASSIGNED
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1D09612-ICB1	Ammonia as N	-0.007471	0.110	0.300	mg/L	U	SM4500NH3BG
1D09612-CCB1	Ammonia as N	-0.00922	0.110	0.300	mg/L	U	SM4500NH3BG
1D09612-CCB2	Ammonia as N	-0.00486	0.110	0.300	mg/L	U	SM4500NH3BG
1D09612-CCB3	Ammonia as N	-0.0174	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_007
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1D09901
Calibration: 0295001
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1D09901-CCB1	Chloride	0.00800	0.170	0.500	mg/L	U	E300.0
	Nitrate as N	0.00	0.0330	0.200	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
1D09901-CCB2	Chloride	0.0240	0.170	0.500	mg/L	U	E300.0
	Nitrate as N	0.00	0.0330	0.200	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_007
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1D11210
Calibration: 0295001
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1D11210-CCB1	Chloride	-0.0470	0.170	0.500	mg/L	U	E300.0
	Nitrate as N	0.00	0.0330	0.200	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
1D11210-CCB2	Chloride	-0.0260	0.170	0.500	mg/L	U	E300.0
	Nitrate as N	0.00	0.0330	0.200	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_007
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1D11217
Calibration: 1112003
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1D11217-ICB1	Ammonia as N	-0.01535	0.110	0.300	mg/L	U	SM4500NH3BG
1D11217-CCB1	Ammonia as N	-0.0100	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_007
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1D11704
Calibration: 1117001
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1D11704-ICB1	Ammonia as N	-0.02777	0.110	0.300	mg/L	U	SM4500NH3BG
1D11704-CCB1	Ammonia as N	-0.0261	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_007
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1D11707
Calibration: 0295001
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1D11707-CCB1	Chloride	-0.0870	0.170	0.500	mg/L	U	E300.0
	Nitrate as N	0.00	0.0330	0.200	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
1D11707-CCB2	Chloride	-0.0740	0.170	0.500	mg/L	U	E300.0
	Nitrate as N	0.00	0.0330	0.200	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D05007	Laboratory ID:	1D05007-BS1
Preparation:	WC_PREP_ANIONS_W	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Chloride	4.800	4.966	103	90 - 110
Nitrate as N	3.616	3.698	102	90 - 110
Sulfate as SO4	24.00	24.94	104	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D06002	Laboratory ID:	1D06002-BS1
Preparation:	pNone	Initial/Final:	100 mL / 100 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Ammonia as N	5.000	4.608	92.2	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D06010	Laboratory ID:	1D06010-BS1
Preparation:	pNone	Initial/Final:	25 mL / 25 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Alkalinity, Total (as CACO3)	200.0	210.4	105	80 - 120

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D07021	Laboratory ID:	1D07021-BS1
Preparation:	WC_PREP_ANIONS_W	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Chloride	4.800	5.006	104	90 - 110
Nitrate as N	3.616	3.742	103	90 - 110
Sulfate as SO4	24.00	25.23	105	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D08015	Laboratory ID:	1D08015-BS1
Preparation:	pNone	Initial/Final:	3 mL / 250 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfide	1413	1283	90.8	80 - 120

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D08016	Laboratory ID:	1D08016-BS1
Preparation:	WC_PREP_ANIONS_W	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Chloride	4.800	5.025	105	90 - 110
Nitrate as N	3.616	3.727	103	90 - 110
Sulfate as SO4	24.00	25.34	106	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D13021	Laboratory ID:	1D13021-BS1
Preparation:	pNone	Initial/Final:	3 mL / 250 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfide	1413	1217	86.1	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D14018	Laboratory ID:	1D14018-BS1
Preparation:	pNone	Initial/Final:	3 mL / 250 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfide	1413	1150	81.4	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D20012	Laboratory ID:	1D20012-BS1
Preparation:	pNone	Initial/Final:	25 mL / 25 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Alkalinity, Total (as CACO3)	200.0	210.4	105	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D21009	Laboratory ID:	1D21009-BS1
Preparation:	pNone	Initial/Final:	25 mL / 25 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Alkalinity, Total (as CACO3)	200.0	190.4	95.2	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D22009	Laboratory ID:	1D22009-BS1
Preparation:	pNone	Initial/Final:	100 mL / 100 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Ammonia as N	5.000	5.119	102	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1D26012	Laboratory ID:	1D26012-BS1
Preparation:	pNone	Initial/Final:	100 mL / 100 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Ammonia as N	5.000	5.022	100	80 - 120

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC **SDG:** Kirtland_007

Client: Shaw E & I (I700) **Project:** Kirtland AFB 2011

Matrix: Water **Instrument:**

Analyte	MDL	MRL	Units	Method
Alkalinity, Bicarbonate (as CACO3)	1.00	1.00	mg/L	SM2320B
Alkalinity, Carbonate (as CACO3)	1.00	1.00	mg/L	SM2320B
Sulfide	0.800	4.00	mg/L	SM4500S2CF

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC **SDG:** Kirtland_007

Client: Shaw E & I (I700) **Project:** Kirtland AFB 2011

Matrix: Water **Instrument:** WC-IC

Analyte	MDL	MRL	Units	Method
Chloride	0.170	0.500	mg/L	E300.0
Nitrate as N	0.0330	0.200	mg/L	E300.0
Sulfate as SO4	0.330	2.00	mg/L	E300.0

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_007
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix: Water
Instrument: WC-Lachat

Analyte	MDL	MRL	Units	Method
Ammonia as N	0.110	0.300	mg/L	SM4500NH3BG

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 1D05007 Batch Matrix: Water Preparation: WC_PREP_ANIONS_W

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0047	1104024-01	04/05/11 11:15	5.00	5.00
GW0047	1104024-01	04/05/11 11:15	5.00	5.00
GW0069	1104024-03	04/05/11 11:15	5.00	5.00
GW0069	1104024-03	04/05/11 11:15	5.00	5.00
Blank	1D05007-BLK1	04/05/11 11:15	5.00	5.00
LCS	1D05007-BS1	04/05/11 11:15	5.00	5.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 1D06002 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0047	1104024-01	04/06/11 07:46	100.00	100.00
GW0069	1104024-03	04/06/11 07:46	100.00	100.00
Blank	1D06002-BLK1	04/06/11 07:46	100.00	100.00
LCS	1D06002-BS1	04/06/11 07:46	100.00	100.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 1D06010 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0047	1104024-01	04/06/11 10:42	25.00	25.00
GW0069	1104024-03	04/06/11 10:42	25.00	25.00
Blank	1D06010-BLK1	04/06/11 10:42	25.00	25.00
LCS	1D06010-BS1	04/06/11 10:42	25.00	25.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 1D07021 Batch Matrix: Water Preparation: WC_PREP_ANIONS_W

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0040	1104061-01	04/07/11 12:36	5.00	5.00
GW0040	1104061-01	04/07/11 12:36	5.00	5.00
Blank	1D07021-BLK1	04/07/11 12:36	5.00	5.00
LCS	1D07021-BS1	04/07/11 12:36	5.00	5.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 1D08015 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0047	1104024-01	04/08/11 16:34	270.00	200.00
GW0069	1104024-03	04/08/11 16:34	270.00	200.00
Blank	1D08015-BLK1	04/08/11 16:34	250.00	200.00
LCS	1D08015-BS1	04/08/11 16:34	3.00	250.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 1D08016 Batch Matrix: Water Preparation: WC_PREP_ANIONS_W

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0057	1104086-01	04/08/11 16:37	5.00	5.00
GW0057	1104086-01	04/08/11 16:37	5.00	5.00
GW0071	1104086-03	04/08/11 16:37	5.00	5.00
GW0071	1104086-03	04/08/11 16:37	5.00	5.00
Blank	1D08016-BLK1	04/08/11 16:37	5.00	5.00
LCS	1D08016-BS1	04/08/11 16:37	5.00	5.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 1D13021 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0040	1104061-01	04/13/11 14:17	285.00	200.00
Blank	1D13021-BLK1	04/13/11 14:17	250.00	200.00
LCS	1D13021-BS1	04/13/11 14:17	3.00	250.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 1D14018 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0057	1104086-01	04/14/11 16:33	290.00	200.00
GW0071	1104086-03	04/14/11 16:33	280.00	200.00
Blank	1D14018-BLK1	04/14/11 16:33	250.00	200.00
LCS	1D14018-BS1	04/14/11 16:33	3.00	250.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 1D20012 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0040	1104061-01	04/20/11 14:27	25.00	25.00
Blank	1D20012-BLK1	04/20/11 14:27	25.00	25.00
LCS	1D20012-BS1	04/20/11 14:27	25.00	25.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 1D21009 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0057	1104086-01	04/21/11 11:27	25.00	25.00
GW0071	1104086-03	04/21/11 11:27	25.00	25.00
Blank	1D21009-BLK1	04/21/11 11:27	25.00	25.00
LCS	1D21009-BS1	04/21/11 11:27	25.00	25.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 1D22009 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0040	1104061-01	04/22/11 12:24	100.00	100.00
Blank	1D22009-BLK1	04/22/11 09:16	100.00	100.00
LCS	1D22009-BS1	04/22/11 09:16	100.00	100.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_007

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 1D26012 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0057	1104086-01	04/26/11 12:50	100.00	100.00
GW0071	1104086-03	04/26/11 12:50	100.00	100.00
Blank	1D26012-BLK1	04/26/11 12:50	100.00	100.00
LCS	1D26012-BS1	04/26/11 12:50	100.00	100.00

ANALYSIS SEQUENCE SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_007

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Blank	1D06010-BLK1	040611-004	04/06/11 14:35
LCS	1D06010-BS1	040611-003	04/06/11 14:43
Blank	1D20012-BLK1	042011-004	04/20/11 15:45
LCS	1D20012-BS1	042011-003	04/20/11 15:55
Blank	1D21009-BLK1	042111-004	04/21/11 17:42
LCS	1D21009-BS1	042111-003	04/21/11 17:58

ANALYSIS SEQUENCE SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_007

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
LCS	1D08015-BS1	040811-002	04/08/11 19:43
Blank	1D08015-BLK1	040811-003	04/08/11 19:44
Blank	1D13021-BLK1	041311-003	04/13/11 18:01
LCS	1D13021-BS1	041311-002	04/13/11 18:02
Blank	1D14018-BLK1	041411-003	04/14/11 18:02
LCS	1D14018-BS1	041411-002	04/14/11 18:08

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	0J29503	Instrument:	WC-IC
Calibration:	0295001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0J29503-CAL1	102110curve-057	10/21/10 10:28
Cal Standard	0J29503-CAL2	102110curve-058	10/21/10 10:45
Cal Standard	0J29503-CAL3	102110curve-059	10/21/10 11:02
Cal Standard	0J29503-CAL4	102110curve-060	10/21/10 11:20
Cal Standard	0J29503-CAL5	102110curve-061	10/21/10 11:37
Cal Standard	0J29503-CAL6	102110curve-062	10/21/10 11:55
Cal Standard	0J29503-CAL7	102110curve-063	10/21/10 12:12
Cal Standard	0J29503-CAL8	102110curve-064	10/21/10 12:29
Initial Cal Check	0J29503-ICV1	102110curve-065	10/21/10 12:47
Initial Cal Blank	0J29503-ICB1	102110curve-066	10/21/10 13:04
Instrument RL Check	0J29503-CRL2	102110curve-068	10/21/10 13:39

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D09612	Instrument:	WC-Lachat
Calibration:	UNASSIGNED		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1D09612-CAL1	)M_4-6-2011_01-56-45PM-00	04/06/11 13:57
Cal Standard	1D09612-CAL2	)M_4-6-2011_01-56-45PM-00	04/06/11 13:58
Cal Standard	1D09612-CAL3	)M_4-6-2011_01-56-45PM-00	04/06/11 13:59
Cal Standard	1D09612-CAL4	)M_4-6-2011_01-56-45PM-00	04/06/11 14:00
Cal Standard	1D09612-CAL5	)M_4-6-2011_01-56-45PM-00	04/06/11 14:01
Cal Standard	1D09612-CAL6	)M_4-6-2011_01-56-45PM-00	04/06/11 14:02
Cal Standard	1D09612-CAL7	)M_4-6-2011_01-56-45PM-00	04/06/11 14:03
Cal Standard	1D09612-CAL8	)M_4-6-2011_01-56-45PM-00	04/06/11 14:04
Initial Cal Check	1D09612-ICV1	)M_4-6-2011_01-56-45PM-00	04/06/11 14:05
Initial Cal Blank	1D09612-ICB1	)M_4-6-2011_01-56-45PM-01	04/06/11 14:06
Calibration Check	1D09612-CCV1	)M_4-6-2011_01-56-45PM-02	04/06/11 14:18
Calibration Blank	1D09612-CCB1	)M_4-6-2011_01-56-45PM-02	04/06/11 14:19
Calibration Check	1D09612-CCV2	)M_4-6-2011_01-56-45PM-03	04/06/11 14:30
Calibration Blank	1D09612-CCB2	)M_4-6-2011_01-56-45PM-03	04/06/11 14:31
Blank	1D06002-BLK1	)M_4-6-2011_01-56-45PM-03	04/06/11 14:32
LCS	1D06002-BS1	)M_4-6-2011_01-56-45PM-03	04/06/11 14:33
GW0047	1104024-01	)M_4-6-2011_01-56-45PM-04	04/06/11 14:37
GW0069	1104024-03	)M_4-6-2011_01-56-45PM-04	04/06/11 14:38
Calibration Check	1D09612-CCV3	)M_4-6-2011_01-56-45PM-05	04/06/11 14:44
Calibration Blank	1D09612-CCB3	)M_4-6-2011_01-56-45PM-05	04/06/11 14:45

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D09901	Instrument:	WC-IC
Calibration:	0295001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1D09901-CCV1	040511-002	04/05/11 11:55
Calibration Blank	1D09901-CCB1	040511-003	04/05/11 12:12
Instrument RL Check	1D09901-CRL1	040511-004	04/05/11 12:30
LCS	1D05007-BS1	040511-006	04/05/11 13:05
Blank	1D05007-BLK1	040511-007	04/05/11 13:22
GW0047	1104024-01	040511-011	04/05/11 15:17
GW0069	1104024-03	040511-012	04/05/11 15:34
Calibration Check	1D09901-CCV2	040511-013	04/05/11 15:51
Calibration Blank	1D09901-CCB2	040511-014	04/05/11 16:09

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D11210	Instrument:	WC-IC
Calibration:	0295001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1D11210-CCV1	040711-002	04/07/11 13:10
Calibration Blank	1D11210-CCB1	040711-003	04/07/11 13:27
Instrument RL Check	1D11210-CRL1	040711-004	04/07/11 13:45
LCS	1D07021-BS1	040711-006	04/07/11 14:19
Blank	1D07021-BLK1	040711-007	04/07/11 14:37
GW0040	1104061-01	040711-012	04/07/11 16:04
Calibration Check	1D11210-CCV2	040711-017	04/07/11 17:31
Calibration Blank	1D11210-CCB2	040711-018	04/07/11 17:48

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D11217	Instrument:	WC-Lachat
Calibration:	1112003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1D11217-CAL1		04/22/11 14:26
Cal Standard	1D11217-CAL2		04/22/11 14:27
Cal Standard	1D11217-CAL3		04/22/11 14:28
Cal Standard	1D11217-CAL4		04/22/11 14:29
Cal Standard	1D11217-CAL5		04/22/11 14:30
Cal Standard	1D11217-CAL6		04/22/11 14:31
Cal Standard	1D11217-CAL7		04/22/11 14:32
Cal Standard	1D11217-CAL8		04/22/11 14:33
Initial Cal Check	1D11217-ICV1		04/22/11 14:34
Initial Cal Blank	1D11217-ICB1		04/22/11 14:35
Blank	1D22009-BLK1		04/22/11 14:36
LCS	1D22009-BS1		04/22/11 14:37
GW0040	1104061-01		04/22/11 14:38
Calibration Check	1D11217-CCV1		04/22/11 14:45
Calibration Blank	1D11217-CCB1		04/22/11 14:46

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D11704	Instrument:	WC-Lachat
Calibration:	1117001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1D11704-CAL1	M_4-27-2011_09-05-20AM-00	04/27/11 09:06
Cal Standard	1D11704-CAL2	M_4-27-2011_09-05-20AM-00	04/27/11 09:07
Cal Standard	1D11704-CAL3	M_4-27-2011_09-05-20AM-00	04/27/11 09:08
Cal Standard	1D11704-CAL4	M_4-27-2011_09-05-20AM-00	04/27/11 09:09
Cal Standard	1D11704-CAL5	M_4-27-2011_09-05-20AM-00	04/27/11 09:09
Cal Standard	1D11704-CAL6	M_4-27-2011_09-05-20AM-00	04/27/11 09:10
Cal Standard	1D11704-CAL7	M_4-27-2011_09-05-20AM-00	04/27/11 09:11
Cal Standard	1D11704-CAL8	M_4-27-2011_09-05-20AM-00	04/27/11 09:12
Initial Cal Check	1D11704-ICV1	M_4-27-2011_09-05-20AM-00	04/27/11 09:13
Initial Cal Blank	1D11704-ICB1	M_4-27-2011_09-05-20AM-01	04/27/11 09:14
Blank	1D26012-BLK1	M_4-27-2011_09-05-20AM-01	04/27/11 09:15
LCS	1D26012-BS1	M_4-27-2011_09-05-20AM-01	04/27/11 09:16
GW0057	1104086-01	M_4-27-2011_09-05-20AM-01	04/27/11 09:23
GW0071	1104086-03	M_4-27-2011_09-05-20AM-02	04/27/11 09:24
Calibration Check	1D11704-CCV1	M_4-27-2011_09-05-20AM-02	04/27/11 09:28
Calibration Blank	1D11704-CCB1	M_4-27-2011_09-05-20AM-02	04/27/11 09:29

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_007
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D11707	Instrument:	WC-IC
Calibration:	0295001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1D11707-CCV1	040811-002	04/08/11 17:25
Calibration Blank	1D11707-CCB1	040811-003	04/08/11 17:43
Instrument RL Check	1D11707-CRL1	040811-004	04/08/11 18:00
Instrument RL Check	1D11707-CRL2	040811-005	04/08/11 18:18
LCS	1D08016-BS1	040811-006	04/08/11 18:35
Blank	1D08016-BLK1	040811-007	04/08/11 18:53
GW0057	1104086-01	040811-008	04/08/11 19:10
GW0071	1104086-03	040811-009	04/08/11 19:27
Calibration Check	1D11707-CCV2	040811-018	04/08/11 22:04
Calibration Blank	1D11707-CCB2	040811-019	04/08/11 22:21