ANALYTICAL SUMMARY DATA PACKAGE
SDG # KIRTLAND_012

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

SUBMITTAL TO:
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SHAW E&I
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Denver, CO 80237

SUBMITTAL BY:
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Report Revision #: N/A
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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.

Due to an instrument malfunction combined with 48hr holding times, all samples submitted for Nitrate and Nitrite were analyzed for Nitrite by method SM4500NO2B with total nitrate/nitrite analyzed by EPA 353.2 from preserved sample aliquots and the nitrate results were calculated from those analyses. Samples in laboratory work order 1105113 are affected by this issue.

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 method blank 1E17012-BLK1 has positive results for Hexachlorobutadiene, Naphthalene, and 1,2,3-Trichlorobenzene. The method blank 1E19004-BLK1 has positive results for Naphthalene, 1,2,3-Trichlorobenzene, and 1,2,4-Trichlorobenzene.

The method blank 1E20016-BLK1 has a positive result for Naphthalene.

The batch spikes associated to batches 1E12926 and 1E13302 exceeded recovery criteria with a positive bias for Chloroethane and 2-Hexanone. The batch spikes associated to batch 1E16009 exceeded recovery criteria with a positive bias for Bromodichloromethane, Chloroethane, 1,2-Dichloroethane, Chloromethane, 1,2-Dichloropropane, and Trichloroethene and exceeded relative percent difference criteria for 2,2-Dichloropropane. The batch spike associated to batch 1E19004 exceeded criteria with a positive bias for Chloromethane. The batch spike duplicate 1E19004-BSD1 was analyzed 12 hours 29 minutes after the associated tune standard.

The matrix spikes associated to sample 1105082-01 exceeded criteria with a positive bias for Acetone, Bromodichloromethane, 2-Butanone, 1,2-Dichloroethane, 2-Hexanone, and 4-Methyl-2-pentanone.

The continuing calibration verifications exceeded criteria in 1E13311-CCV1 with a positive bias for Acetone, 2-Butanone, Chloroethane, 2,2-Dichloropropane, 2-Hexanone, and 4-Methyl-2-pentanone, in 1E13402-CCV1 with a positive bias for Acetone, 2-Butanone, 1,1-Dichloroethane, 1,2-Dichloroethane, 2,2-Dichloropropane, 1,1-Dichloropropane, Cis-1,3-Dichloropropene, 2-Hexanone, 4-Methyl-2-pentanone, and Trichlorofluoromethane, in 1E13807-CCV1 with a negative bias for Vinyl Chloride, in 1E13808-CCV1 with a positive bias for Bromodichloromethane, Carbon Tetrachloride, 1,1-Dichloroethane, 1,2-Dichloroethane, 2,2-Dichloropropane, Cis-1,3-Dichloropropene, 1,1,1-Trichloroethane, and Trichlorofluoromethane and with a negative bias for Tetrachloroethene and 1,2,3-Trichlorobenzene, and in 1E14009-CCV1 and 1E14101-CCV1 with a positive bias for Carbon Disulfide.

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

SW8270C BNA:
The surrogate Terphenyl-d14 exceeded criteria with a positive bias for in 1105113-03. All surrogates were diluted out in sample 1105137-03RE1.

The batch spikes associated to batch 1E17015 exceeded recovery criteria with a positive bias for 4-Bromophenyl phenyl ether, Butylbenzylphthalate, Dibenzofuran, Di-n-butylphthalate, Bis(2-ethylhexyl)phthalate, and Hexachlorobenzene and with a negative bias for Caprolactam.

The initial calibration verification 1E12203-ICV3 exceeded criteria with a positive bias for 2,4-Dinitrophenol.

The continuing calibration verifications exceeded criteria in 1E13813-CCV1 with a positive bias for 2-Chloronaphthalene and 4-Nitroaniline and with a negative bias for Acetophenone and 1,1'-Biphenyl, in 1E14406-CCV1 with a negative bias for Benzaldehyde, Benzoic Acid, and 4-Nitrophenol, in 1E14407-CCV1 with a negative bias for Benzaldehyde and N-nitroso-di-n-propylamine, and with a positive bias for

2-Chloronaphthalene, 4,6-Dinitro-2-methylphenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, Di-n-octylphthalate, and 4-Nitroaniline, in 1F15808-CCV1 with a positive bias for Benzidine, 4-Chloro-3-methylphenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, Hexachlorobutadiene, and 4-Nitroaniline and with a negative bias for Bis(2-chloroethyl)ether, 2,2'-Oxybis-1-chloropropane, Di-n-octylphthalate, 1,2-Diphenylhydrazine, Bis(2-ethylhexyl)phthalate, and N-nitroso-di-n-propylamine, and in 1F15917-CCV1 with a negative bias for Benzaldehyde, Bis(2-chloroethoxy)methane, and 2,2'-Oxybis-1-chloropropane and with a positive bias for Benzo(b)fluoranthene, 4-Chloro-3-methylphenol, 2-Chloronaphthalene, 4-Chlorophenyl phenyl ether, Diethylphthalate, 4,6-Dinitro-2-methylphenol, 2,4-Dinitrophenol, Di-n-octylphthalate, Hexachlorobutadiene, Hexachlorocyclopentadiene, Hexachloroethane, 4-Nitroaniline, 2-Nitroaniline, 4-Nitrophenol, 2,4,6-Trichlorophenol, and 2,4,5-Trichlorophenol.

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:
The continuing calibration verification 1E13712-CCV2 exceeded criteria with a negative bias for 1,2-Dibromoethane on column 2.

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

SW6010B:
No anomalies or deviations are noted.

Wet Chemistry:
Samples 1105082-01, 1105093-01, -03, 1105113-01, -03, 1105122-01, 1105137-01, and -03 are qualified with an M for Chloride (1mg/L) and Sulfate as SO4 (2.5mg/L) to indicate that the LOQ was raised due to the RL standard that was in control being at the level indicated.

The method blanks 1E24001-BLK1 and 1E25001-BLK1 have positive results for Alkalinity.

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

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.

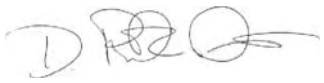
BLK: LIMS assigns a unique identifier to the Method Blank by naming it as the letters BLK appended to the Batch ID. A Method Blank is an analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The Method Blank is used to assess for possible 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

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

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

GC/MS Extractables

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

= ng/mL or ng/g

= ug/L or ug/kg

GC or LC Extractables

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

= 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: 140704-GW0039

11

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

Samples Shipment Date: 09 MAY 2011
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Kim Kostzer
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/875889884538

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) Antonio Jones SHAW Env — Date: 5/9/11 Time: 1351
2. Relinquished By (Signature/Affiliation) — Date: Time:
3. Relinquished By (Signature/Affiliation) — Date: Time:

1. Received By (Signature/Affiliation) [signature] 3.4°C — Date: 5.10.11 Time: 0900
2. Received By (Signature/Affiliation) — Date: Time:
3. Received By (Signature/Affiliation) — Date: Time:

Comments:

110508D

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-01 GW0060	KAFB10619-GW-GW0060-REG	09 MAY 2011	12:07	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0060	KAFB10619-GW-GW0060-REG	09 MAY 2011	12:07	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0060	KAFB10619-GW-GW0060-REG	09 MAY 2011	12:07	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0060	KAFB10619-GW-GW0060-REG	09 MAY 2011	12:07	1000 mL A GLASS	2	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0060	KAFB10619-GW-GW0060-REG	09 MAY 2011	12:07	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
-02 GW0060	KAFB10619-GW-GW0060-REG	09 MAY 2011	12:07	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		

KIRTLAND_012 Summ Package

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140704-GW0039

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-02	GW0060	KAFB10619-GW-GW0060-REG	09 MAY 2011	12:07	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
-01	GW0060	KAFB10619-GW-GW0060-REG	09 MAY 2011	12:07	250 mL HDPE	1	None except cool to 4 C	Chloride, Nitrate, and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0060	KAFB10619-GW-GW0060-REG	09 MAY 2011	12:07	250 mL HDPE	1	H2SO4<pH 2	Ammonia by SM4500B,D			N		
	GW0060	KAFB10619-GW-GW0060-REG	09 MAY 2011	12:07	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0060	KAFB10619-GW-GW0060-REG	09 MAY 2011	12:07	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
-03	GW8039-TB	FIELDQC-BW-GW8039-TB-TB	09 MAY 2011	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 1105082 Number of Coolers: 1 of 1

Client: Shaw Project: Kirkland AFB

Date/Time Received: 5.10.11 0900 Date cooler(s) opened: 5.10.11

Opened By (print): Reginald Talley (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: 4538

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

How many: 1 Seal date: 5.9.11 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: 3.7 °C Correction Factor: -0.3 °C Final Value: 3.4 °C

Dates samples were logged-in: 5.10.11

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 all metal and ammonia samples were <2
Ph for all sulfide samples were >9

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW040

14

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

Samples Shipment Date: 10 MAY 2011
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Kim Kostzer
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/875889884549

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] SAIC Date: 5/10/11 Time: 1519
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] 2.4°C Date: 5-11-11 Time: 09:00

Comments:

110843

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-01 GW0085	KAFB10662-GW-GW0085-REG	10 MAY 2011	13:31	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0085	KAFB10662-GW-GW0085-REG	10 MAY 2011	13:31	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0085	KAFB10662-GW-GW0085-REG	10 MAY 2011	13:31	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0085	KAFB10662-GW-GW0085-REG	10 MAY 2011	13:31	1000 mL A GLASS	2	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0085	KAFB10662-GW-GW0085-REG	10 MAY 2011	13:31	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
-02 GW0085	KAFB10662-GW-GW0085-REG	10 MAY 2011	13:31	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		

KIRTLAND_012 Summ Package

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW040

1105053

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-02	GW0085	KAFB10662-GW-GW0085-REG	10 MAY 2011	13:31	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
-01	GW0085	KAFB10662-GW-GW0085-REG	10 MAY 2011	13:31	250 mL HDPE	1	None except cool to 4 C	Chloride, Nitrate, and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0085	KAFB10662-GW-GW0085-REG	10 MAY 2011	13:31	250 mL HDPE	1	H2SO4<pH 2	Ammonia by SM4500B,D			N		
	GW0085	KAFB10662-GW-GW0085-REG	10 MAY 2011	13:31	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0085	KAFB10662-GW-GW0085-REG	10 MAY 2011	13:31	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
-03	GW0086	KAFB10662-GW-GW0086-FD	10 MAY 2011	13:31	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0086	KAFB10662-GW-GW0086-FD	10 MAY 2011	13:31	1000 mL A GLASS	2	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
-04	GW0086	KAFB10662-GW-GW0086-FD	10 MAY 2011	13:31	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
-03	GW0086	KAFB10662-GW-GW0086-FD	10 MAY 2011	13:31	250 mL HDPE	1	None except cool to 4 C	Chloride, Nitrate, and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0086	KAFB10662-GW-GW0086-FD	10 MAY 2011	13:31	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0086	KAFB10662-GW-GW0086-FD	10 MAY 2011	13:31	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0086	KAFB10662-GW-GW0086-FD	10 MAY 2011	13:31	250 mL HDPE	1	H2SO4<pH 2	Ammonia by SM4500B,D			N		
-04	GW0086	KAFB10662-GW-GW0086-FD	10 MAY 2011	13:31	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
	GW0086	KAFB10662-GW-GW0086-FD	10 MAY 2011	13:31	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
-03	GW0086	KAFB10662-GW-GW0086-FD	10 MAY 2011	13:31	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0086	KAFB10662-GW-GW0086-FD	10 MAY 2011	13:31	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
-05	GW8040-TB	FIELDQC-BW-GW8040-TB-TB	10 MAY 2011	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 1105053 Number of Coolers: 1 of 1

Client: Shaw Project: Kirkland AFB

Date/Time Received: 5.11.11 0900 Date cooler(s) opened: 5.11.11

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: 4549

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

How many: 1 Seal date: 5.10.11 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: 2.7 °C Correction Factor: -0.3 °C Final Value: 2.4 °C

Dates samples were logged-in: 5.11.11

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 all sulfide samples were >9

Ph for all ammonia and metal samples were <2

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW041

17

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

Samples Shipment Date: 11 MAY 2011
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Kim Kostzer
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/875889884480

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) Antonio Trujillo Shaw — Date: 5/11/11 Time: 1535
2. Relinquished By (Signature/Affiliation) — Date: Time:
3. Relinquished By (Signature/Affiliation) — Date: Time:

1. Received By (Signature/Affiliation) Reginald Fulley 2.4°C — Date: 5.12.11 Time: 0900
2. Received By (Signature/Affiliation) — Date: Time:
3. Received By (Signature/Affiliation) — Date: Time:

Comments:

1105113

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-01 GW0087	KAFB10663-GW-GW0087-REG	11 MAY 2011	13:58	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0087	KAFB10663-GW-GW0087-REG	11 MAY 2011	13:58	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0087	KAFB10663-GW-GW0087-REG	11 MAY 2011	13:58	1000 mL A GLASS	2	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0087	KAFB10663-GW-GW0087-REG	11 MAY 2011	13:58	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0087	KAFB10663-GW-GW0087-REG	11 MAY 2011	13:58	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
-02 GW0087	KAFB10663-GW-GW0087-REG	11 MAY 2011	13:58	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		

KIRTLAND_012 Summ Package

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW041

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-01	GW0087	KAFB10663-GW-GW0087-REG	11 MAY 2011	13:58	250 mL HDPE	1	None except cool to 4 C	Chloride, Nitrate, and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0087	KAFB10663-GW-GW0087-REG	11 MAY 2011	13:58	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0087	KAFB10663-GW-GW0087-REG	11 MAY 2011	13:58	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0087	KAFB10663-GW-GW0087-REG	11 MAY 2011	13:58	250 mL HDPE	1	H2SO4<pH 2	Ammonia by SM4500B,D			N		
-02	GW0087	KAFB10663-GW-GW0087-REG	11 MAY 2011	13:58	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
-03	GW0088	KAFB10664-GW-GW0088-REG	11 MAY 2011	10:03	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0088	KAFB10664-GW-GW0088-REG	11 MAY 2011	10:03	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0088	KAFB10664-GW-GW0088-REG	11 MAY 2011	10:03	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0088	KAFB10664-GW-GW0088-REG	11 MAY 2011	10:03	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
-04	GW0088	KAFB10664-GW-GW0088-REG	11 MAY 2011	10:03	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
-03	GW0088	KAFB10664-GW-GW0088-REG	11 MAY 2011	10:03	250 mL HDPE	1	H2SO4<pH 2	Ammonia by SM4500B,D			N		
	GW0088	KAFB10664-GW-GW0088-REG	11 MAY 2011	10:03	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0088	KAFB10664-GW-GW0088-REG	11 MAY 2011	10:03	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0088	KAFB10664-GW-GW0088-REG	11 MAY 2011	10:03	250 mL HDPE	1	None except cool to 4 C	Chloride, Nitrate, and Sulfate by EPA 300, Alkalinity by SM2320B			N		
-04	GW0088	KAFB10664-GW-GW0088-REG	11 MAY 2011	10:03	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
-03	GW0088	KAFB10664-GW-GW0088-REG	11 MAY 2011	10:03	1000 mL A GLASS	2	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
-05	GW8041-TB	FIELDQC-BW-GW8041-TB-TB	11 MAY 2011	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 1105113 Number of Coolers: 1 of 1

Client: Shaw Project: Kirkland

Date/Time Received: 5.12.11 0900 Date cooler(s) opened: 5.12.11

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: 4480

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

How many: 1 Seal date: 5.11.11 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: 2.7 °C Correction Factor: -0.3 °C Final Value: 2.4 °C

Dates samples were logged-in: 5.12.11

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 all metal and ammonia samples were <2

Ph for all sulfide samples were >9

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW042

20

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

Samples Shipment Date: 12 MAY 2011
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Kim Kostzer
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/875889884550

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] Shaw E+I Date: 5/12/11 Time: 16:07
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] 3.3°C Date: 5-13-11 Time: 09:00

Comments:

110522

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-01 GW0099	KAFB10681-GW-GW0099-REG	12 MAY 2011	13:42	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0099	KAFB10681-GW-GW0099-REG	12 MAY 2011	13:42	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0099	KAFB10681-GW-GW0099-REG	12 MAY 2011	13:42	1000 mL A GLASS	2	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0099	KAFB10681-GW-GW0099-REG	12 MAY 2011	13:42	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0099	KAFB10681-GW-GW0099-REG	12 MAY 2011	13:42	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
-02 GW0099	KAFB10681-GW-GW0099-REG	12 MAY 2011	13:42	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		

KIRTLAND_012 Summ Package

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW042

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
1105722-02 GW0099	KAFB10681-GW-GW0099-REG	12 MAY 2011	13:42	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
-01 GW0099	KAFB10681-GW-GW0099-REG	12 MAY 2011	13:42	250 mL HDPE	1	None except cool to 4 C	Chloride, Nitrate, and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0099	KAFB10681-GW-GW0099-REG	12 MAY 2011	13:42	250 mL HDPE	1	H2SO4<pH 2	Ammonia by SM4500B,D			N		
GW0099	KAFB10681-GW-GW0099-REG	12 MAY 2011	13:42	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
GW0099	KAFB10681-GW-GW0099-REG	12 MAY 2011	13:42	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
-03 GW8042-TB	FIELDQC-BW-GW8042-TB-TB	12 MAY 2011	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 110522 Number of Coolers: 1 of 1

Client: Shaw Project: Kirtland AFB

Date/Time Received: 5-13-11 / 09:00 Date cooler(s) opened: 5-13-11

Opened By (print): Chris Dow (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: 4550

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

How many: 1 Seal date: 5-12-11 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: 1.9 °C Correction Factor: +1.4 °C Final Value: 3.3 °C

Dates samples were logged-in: 5-13-11

9. Initial this form to acknowledge login of sample(s): (Name): [signature] (Initial): [initials]

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 sulfide

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW043

23

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

Samples Shipment Date: 13 MAY 2011
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Kim Kostzer
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/873979801552

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) Shaw Env Date: 5/13/11 Time: 1443
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) 4.0°C Date: 5-14-11 Time: 10:30

Comments:

1105137

	Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-01	GW0049	KAFB1069-GW-GW0049-REG	13 MAY 2011	10:05	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0049	KAFB1069-GW-GW0049-REG	13 MAY 2011	10:05	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0049	KAFB1069-GW-GW0049-REG	13 MAY 2011	10:05	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0049	KAFB1069-GW-GW0049-REG	13 MAY 2011	10:05	1000 mL A GLASS	2	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0049	KAFB1069-GW-GW0049-REG	13 MAY 2011	10:05	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
-02	GW0049	KAFB1069-GW-GW0049-REG	13 MAY 2011	10:05	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		

KIRTLAND_012 Summ Package

Shaw
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW043

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-02	GW0049	KAFB1069-GW-GW0049-REG	13 MAY 2011	10:05	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
-01	GW0049	KAFB1069-GW-GW0049-REG	13 MAY 2011	10:05	250 mL HDPE	1	None except cool to 4 C	Chloride, Nitrate, and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0049	KAFB1069-GW-GW0049-REG	13 MAY 2011	10:05	250 mL HDPE	1	H2SO4<pH 2	Ammonia by SM4500B,D			N		
	GW0049	KAFB1069-GW-GW0049-REG	13 MAY 2011	10:05	250 mL HDPE	1	Zinc Acetate and NaOH>	Sulfide by SM4500S-2CF			N		
	GW0049	KAFB1069-GW-GW0049-REG	13 MAY 2011	10:05	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
-03	GW0055	KAFB10614-GW-GW0055-REG	13 MAY 2011	13:33	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0055	KAFB10614-GW-GW0055-REG	13 MAY 2011	13:33	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0055	KAFB10614-GW-GW0055-REG	13 MAY 2011	13:33	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0055	KAFB10614-GW-GW0055-REG	13 MAY 2011	13:33	1000 mL A GLASS	2	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0055	KAFB10614-GW-GW0055-REG	13 MAY 2011	13:33	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
-02	GW0055	KAFB10614-GW-GW0055-REG	13 MAY 2011	13:33	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0055	KAFB10614-GW-GW0055-REG	13 MAY 2011	13:33	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
-03	GW0055	KAFB10614-GW-GW0055-REG	13 MAY 2011	13:33	250 mL HDPE	1	None except cool to 4 C	Chloride, Nitrate, and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0055	KAFB10614-GW-GW0055-REG	13 MAY 2011	13:33	250 mL HDPE	1	H2SO4<pH 2	Ammonia by SM4500B,D			N		
	GW0055	KAFB10614-GW-GW0055-REG	13 MAY 2011	13:33	250 mL HDPE	1	Zinc Acetate and NaOH>	Sulfide by SM4500S-2CF			N		
	GW0055	KAFB10614-GW-GW0055-REG	13 MAY 2011	13:33	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
-05	GW8043-TB	FIELDQC-BW-GW8043-TB-TB	13 MAY 2011	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 1105137 Number of Coolers: 1 of 1

Client: Shaw E&I Project: Kirtland AFB

Date/Time Received: 5-14-11/10:30 Date cooler(s) opened: 5-14-11

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: 1552

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

How many: 2 Seal date: 5-13-11 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: 2.6 °C Correction Factor: +1.4 °C Final Value: 4.0 °C

Dates samples were logged-in: 5-14-11

9. Initial this form to acknowledge login of sample(s): (Name): [signature] (Initial) [signature]
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: _____

WORK ORDER

1105082

Printed: 6/13/2011 6:21:53PM

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: 05/31/2011 16:00 (15 day TAT)

Received By: Reginald Talley
Logged In By: Reginald Talley

Date Received: 05/10/2011 09:00
Date Logged In 05/10/2011 08:51

Samples Received at: **3.4°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

1105082

Printed: 6/13/2011 6:21:53PM

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
1105082-01 GW0060 [Water] Sampled 05/09/2011 12:07 Mountain					
SM4500S2CF	05/26/2011 14:00	15	05/16/2011 13:07		
E300.0	05/26/2011 14:00	15	05/11/2011 13:07		NO3
E300.0	05/26/2011 14:00	15	06/06/2011 13:07		Cl, SO4
SM4500NH3BG	05/26/2011 14:00	15	06/06/2011 13:07		
SM2320B	05/26/2011 14:00	15	05/23/2011 13:07		carb/bicarb
SW8260B	05/26/2011 14:00	15	05/23/2011 13:07		
SW8015B GRO	05/26/2011 14:00	15	05/23/2011 13:07		
SW8270C	05/26/2011 14:00	15	05/16/2011 13:07		
SW8011	05/26/2011 14:00	15	05/23/2011 13:07		
SW8015B DRO	05/26/2011 14:00	15	05/16/2011 13:07		
SW6010B	05/26/2011 14:00	15	11/05/2011 13:07		Ca, Pb, K, Na, Mg
1105082-02 GW0060 [Water] Sampled 05/09/2011 12:07 Mountain					
SW6010B	05/26/2011 14:00	15	11/05/2011 13:07		Fe & Mn
1105082-03 GW8039-TB [Water] Sampled 05/09/2011 08:00 Mountain					
SW8260B	05/26/2011 14:00	15	05/23/2011 09:00		

WORK ORDER

1105093

Printed: 6/13/2011 6:22:20PM

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: 06/01/2011 16:00 (15 day TAT)

Received By: Chris Donald

Logged In By: Chris Donald

Date Received: 05/11/2011 09:00

Date Logged In 05/11/2011 10:46

Samples Received at: **2.4°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

1105093

Printed: 6/13/2011 6:22:20PM

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
1105093-01 GW0085 [Water] Sampled 05/10/2011 13:31 Mountain					
SW8015B DRO	05/27/2011 14:00	15	05/17/2011 14:31		
SW8011	05/27/2011 14:00	15	05/24/2011 14:31		
SW8270C	05/27/2011 14:00	15	05/17/2011 14:31		
SW8015B GRO	05/27/2011 14:00	15	05/24/2011 14:31		
SW8260B	05/27/2011 14:00	15	05/24/2011 14:31		
SM2320B	05/27/2011 14:00	15	05/24/2011 14:31		carb/bicarb
SM4500NH3BG	05/27/2011 14:00	15	06/07/2011 14:31		
E300.0	05/27/2011 14:00	15	06/07/2011 14:31		Cl, SO4
E300.0	05/27/2011 14:00	15	05/12/2011 14:31		NO3
SM4500S2CF	05/27/2011 14:00	15	05/17/2011 14:31		
SW6010B	05/27/2011 14:00	15	11/06/2011 14:31		Ca, Pb, K, Na, Mg
1105093-02 GW0085 [Water] Sampled 05/10/2011 13:31 Mountain					
SW6010B	05/27/2011 14:00	15	11/06/2011 14:31		Fe & Mn

WORK ORDER

1105093

Printed: 6/13/2011 6:22:20PM

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
1105093-03 GW0086 [Water] Sampled 05/10/2011 13:31 Mountain					
SW8015B DRO	05/27/2011 14:00	15	05/17/2011 14:31		
SW8011	05/27/2011 14:00	15	05/24/2011 14:31		
SW8270C	05/27/2011 14:00	15	05/17/2011 14:31		
SW8015B GRO	05/27/2011 14:00	15	05/24/2011 14:31		
SW8260B	05/27/2011 14:00	15	05/24/2011 14:31		
SM2320B	05/27/2011 14:00	15	05/24/2011 14:31		carb/bicarb
SM4500NH3BG	05/27/2011 14:00	15	06/07/2011 14:31		
E300.0	05/27/2011 14:00	15	06/07/2011 14:31		Cl, SO4
E300.0	05/27/2011 14:00	15	05/12/2011 14:31		NO3
SM4500S2CF	05/27/2011 14:00	15	05/17/2011 14:31		
SW6010B	05/27/2011 14:00	15	11/06/2011 14:31		Ca, Pb, K, Na, Mg
1105093-04 GW0086 [Water] Sampled 05/10/2011 13:31 Mountain					
SW6010B	05/27/2011 14:00	15	11/06/2011 14:31		Fe & Mn
1105093-05 GW8040-TB [Water] Sampled 05/10/2011 08:00 Mountain					
SW8260B	05/27/2011 14:00	15	05/24/2011 09:00		

WORK ORDER

1105113

Printed: 6/13/2011 6:22:46PM

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: 06/02/2011 16:00 (15 day TAT)

Received By: Reginald Talley
Date Received: 05/12/2011 09:00

Logged In By: Reginald Talley
Date Logged In 05/12/2011 11:46

Samples Received at: **2.4°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

1105113

Printed: 6/13/2011 6:22:46PM

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
1105113-01 GW0087 [Water] Sampled 05/11/2011 13:58 Mountain					
E300.0	05/30/2011 14:00	15	06/08/2011 14:58		Cl, SO4
SW8015B GRO	05/30/2011 14:00	15	05/25/2011 14:58		
SM4500S2CF	05/30/2011 14:00	15	05/18/2011 14:58		
SW6010B	05/30/2011 14:00	15	11/07/2011 14:58		Ca, Pb, K, Na, Mg
varies	05/30/2011 14:00	15	05/13/2011 14:58		calculation
SM4500NH3BG	05/30/2011 14:00	15	06/08/2011 14:58		
SM2320B	05/30/2011 14:00	15	05/25/2011 14:58		carb/bicarb
SW8260B	05/30/2011 14:00	15	05/25/2011 14:58		
SW8015B DRO	05/30/2011 14:00	15	05/18/2011 14:58		
SW8011	05/30/2011 14:00	15	05/25/2011 14:58		
SW8270C	05/30/2011 14:00	15	05/18/2011 14:58		
1105113-02 GW0087 [Water] Sampled 05/11/2011 13:58 Mountain					
SW6010B	05/30/2011 14:00	15	11/07/2011 14:58		Fe & Mn

WORK ORDER

1105113

Printed: 6/13/2011 6:22:46PM

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
1105113-03 GW0088 [Water] Sampled 05/11/2011 10:03 Mountain					
SW8015B GRO	05/30/2011 14:00	15	05/25/2011 11:03		
SW6010B	05/30/2011 14:00	15	11/07/2011 11:03		Ca, Pb, K, Na, Mg
SW8015B DRO	05/30/2011 14:00	15	05/18/2011 11:03		
SW8270C	05/30/2011 14:00	15	05/18/2011 11:03		
SW8260B	05/30/2011 14:00	15	05/25/2011 11:03		
SM2320B	05/30/2011 14:00	15	05/25/2011 11:03		carb/bicarb
SM4500NH3BG	05/30/2011 14:00	15	06/08/2011 11:03		
E300.0	05/30/2011 14:00	15	06/08/2011 11:03		Cl, SO4
varies	05/30/2011 14:00	15	05/13/2011 11:03		calculation
SM4500S2CF	05/30/2011 14:00	15	05/18/2011 11:03		
SW8011	05/30/2011 14:00	15	05/25/2011 11:03		
1105113-04 GW0088 [Water] Sampled 05/11/2011 10:03 Mountain					
SW6010B	05/30/2011 14:00	15	11/07/2011 11:03		Fe & Mn
1105113-05 GW8041-TB [Water] Sampled 05/11/2011 08:00 Mountain					
SW8260B	05/30/2011 14:00	15	05/25/2011 09:00		

Analysis groups included in this work order

WC NitrateNitrite-Nitrite

WC NO3NO2 N 353.2 WC NITROGEN NO2 45

WORK ORDER

1105122

Printed: 6/13/2011 6:23:13PM

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
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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: 06/03/2011 16:00 (15 day TAT)

Received By: Chris Donald
Date Received: 05/13/2011 09:00

Logged In By: Chris Donald
Date Logged In 05/13/2011 10:58

Samples Received at: **3.3°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

1105122

Printed: 6/13/2011 6:23:13PM

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
1105122-01 GW0099 [Water] Sampled 05/12/2011 13:42 Mountain					
SM4500S2CF	05/31/2011 14:00	15	05/19/2011 14:42		
E300.0	05/31/2011 14:00	15	05/14/2011 14:42		NO3
E300.0	05/31/2011 14:00	15	06/09/2011 14:42		Cl, SO4
SM4500NH3BG	05/31/2011 14:00	15	06/09/2011 14:42		
SM2320B	05/31/2011 14:00	15	05/26/2011 14:42		carb/bicarb
SW8260B	05/31/2011 14:00	15	05/26/2011 14:42		
SW8015B GRO	05/31/2011 14:00	15	05/26/2011 14:42		
SW8270C	05/31/2011 14:00	15	05/19/2011 14:42		
SW8011	05/31/2011 14:00	15	05/26/2011 14:42		
SW8015B DRO	05/31/2011 14:00	15	05/19/2011 14:42		
SW6010B	05/31/2011 14:00	15	11/08/2011 14:42		Ca, Pb, K, Na, Mg
1105122-02 GW0099 [Water] Sampled 05/12/2011 13:42 Mountain					**Field Filtered and Preserved**
SW6010B	05/31/2011 14:00	15	11/08/2011 14:42		Fe & Mn, Field Filtered and Preserved
1105122-03 GW8042-TB [Water] Sampled 05/12/2011 08:00 Mountain					
SW8260B	05/31/2011 14:00	15	05/26/2011 09:00		

WORK ORDER

1105137

Printed: 6/13/2011 6:23:56PM

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: 06/06/2011 16:00 (15 day TAT)

Received By: Chris Donald
Date Received: 05/14/2011 10:30

Logged In By: Chris Donald
Date Logged In 05/14/2011 11:29

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

1105137

Printed: 6/13/2011 6:23:56PM

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
1105137-01 GW0049 [Water] Sampled 05/13/2011 10:05 Mountain					
SM4500NH3BG	06/01/2011 14:00	15	06/10/2011 11:05		
SW8015B DRO	06/01/2011 14:00	15	05/20/2011 11:05		
SW8011	06/01/2011 14:00	15	05/27/2011 11:05		
SW8270C	06/01/2011 14:00	15	05/20/2011 11:05		
SW8015B GRO	06/01/2011 14:00	15	05/27/2011 11:05		
SW6010B	06/01/2011 14:00	15	11/09/2011 11:05		Ca, Pb, K, Na, Mg
SM2320B	06/01/2011 14:00	15	05/27/2011 11:05		carb/bicarb
E300.0	06/01/2011 14:00	15	06/10/2011 11:05		Cl, SO4
E300.0	06/01/2011 14:00	15	05/15/2011 11:05		NO3
SM4500S2CF	06/01/2011 14:00	15	05/20/2011 11:05		
SW8260B	06/01/2011 14:00	15	05/27/2011 11:05		
1105137-02 GW0049 [Water] Sampled 05/14/2011 10:05 Mountain					**Field Filtered and Preserved**
SW6010B	06/01/2011 14:00	15	11/10/2011 11:05		Fe & Mn, Field Filtered and Preserved

WORK ORDER

1105137

Printed: 6/13/2011 6:23:56PM

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
1105137-03 GW0055 [Water] Sampled 05/13/2011 13:33 Mountain					
SW8015B GRO	06/01/2011 14:00	15	05/27/2011 14:33		
SM2320B	06/01/2011 14:00	15	05/27/2011 14:33		carb/bicarb
SW6010B	06/01/2011 14:00	15	11/09/2011 14:33		Ca, Pb, K, Na, Mg
SW8015B DRO	06/01/2011 14:00	15	05/20/2011 14:33		
SW8011	06/01/2011 14:00	15	05/27/2011 14:33		
SW8270C	06/01/2011 14:00	15	05/20/2011 14:33		
SW8260B	06/01/2011 14:00	15	05/27/2011 14:33		
SM4500S2CF	06/01/2011 14:00	15	05/20/2011 14:33		
E300.0	06/01/2011 14:00	15	05/15/2011 14:33		NO3
E300.0	06/01/2011 14:00	15	06/10/2011 14:33		Cl, SO4
SM4500NH3BG	06/01/2011 14:00	15	06/10/2011 14:33		
1105137-04 GW0055 [Water] Sampled 05/13/2011 13:33 Mountain					**Field Filtered and Preserved**
SW6010B	06/01/2011 14:00	15	11/09/2011 14:33		Fe & Mn, Field Filtered and Preserved
1105137-05 GW8043-TB [Water] Sampled 05/13/2011 08:00 Mountain					
SW8260B	06/01/2011 14:00	15	05/27/2011 09:00		

Sample Delivery Group Assignment Form

CLIENT: Shaw E & I (I700)
PROJECT NAME: Kirtland AFB 2011
SDG #: Kirtland_012
MATRIX: Water

QC LEVEL: Level IV
Report Due: 6/6/2011
Client Sample Count: 20

Sample Type	Sampled	Received	Lab ID	Client ID	E300.0	SM2320B	SM4500 NH3BG	SM4500 S2CF	SW6010B	SW8011	SW8015B DRO	SW8015B GRO	SW8260B	SW8270C
Client Sample	5/9/2011	5/10/2011	1105082-01	GW0060	X	X	X	X	X	X	X	X	X	X
Client Sample	5/9/2011	5/10/2011	1105082-02	GW0060					X					
Client Sample	5/9/2011	5/10/2011	1105082-03	GW8039-TB									X	
Client Sample	5/10/2011	5/11/2011	1105093-01	GW0085	X	X	X	X	X	X	X	X	X	X
Client Sample	5/10/2011	5/11/2011	1105093-02	GW0085					X					
Client Sample	5/10/2011	5/11/2011	1105093-03	GW0086	X	X	X	X	X	X	X	X	X	X
Client Sample	5/10/2011	5/11/2011	1105093-04	GW0086					X					
Client Sample	5/10/2011	5/11/2011	1105093-05	GW8040-TB									X	
Client Sample	5/11/2011	5/12/2011	1105113-01	GW0087	X	X	X	X	X	X	X	X	X	X
Client Sample	5/11/2011	5/12/2011	1105113-02	GW0087					X					
Client Sample	5/11/2011	5/12/2011	1105113-03	GW0088	X	X	X	X	X	X	X	X	X	X
Client Sample	5/11/2011	5/12/2011	1105113-04	GW0088					X					
Client Sample	5/11/2011	5/12/2011	1105113-05	GW8041-TB									X	
Client Sample	5/12/2011	5/13/2011	1105122-01	GW0099	X	X	X	X	X	X	X	X	X	X
Client Sample	5/12/2011	5/13/2011	1105122-02	GW0099					X					
Trip Blank	5/12/2011	5/13/2011	1105122-03	GW8042-TB									X	
Client Sample	5/13/2011	5/14/2011	1105137-01	GW0049	X	X	X	X	X	X	X	X	X	X
Client Sample	5/14/2011	5/14/2011	1105137-02	GW0049					X					
Client Sample	5/13/2011	5/14/2011	1105137-03	GW0055	X	X	X	X	X	X	X	X	X	X
Client Sample	5/13/2011	5/14/2011	1105137-04	GW0055					X					
Client Sample	5/13/2011	5/14/2011	1105137-05	GW8043-TB									X	

Data for SW8260B Forms

ANALYSIS DATA SHEET

GW0060

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105082-01	File ID:	0508201.D
Sampled:	05/09/11 12:07	Prepared:	05/12/11 00:00	Analyzed:	05/12/11 13:42
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1E12926 Sequence: 1E13311 Calibration: 1084001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	3.76	2.50	5.00	10.0	N, X, J
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	N, 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	N, X, U
135-98-8	sec-Butylbenzene	0.275	0.250	0.500	1.00	J
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, 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)	0.291	0.250	0.500	1.00	J
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	N, 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

GW0060

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105082-01	File ID:	0508201.D
Sampled:	05/09/11 12:07	Prepared:	05/12/11 00:00	Analyzed:	05/12/11 13:42
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1E12926 Sequence: 1E13311 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	N, Q, X, U
98-82-8	Isopropylbenzene	1.34	0.250	0.500	1.00	
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	N, 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	30.05	100	75 - 120	
Dibromofluoromethane	30.00	32.82	109	85 - 115	
1,2-Dichloroethane-d4	30.00	32.33	108	70 - 120	
Toluene-d8	30.00	29.76	99.2	85 - 120	

ANALYSIS DATA SHEET

GW8039-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105082-03	File ID:	0508203.D
Sampled:	05/09/11 08:00	Prepared:	05/17/11 00:00	Analyzed:	05/17/11 10:01
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1E16009 Sequence: 1E13808 Calibration: 1138001 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	Q, X, 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	X, 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, 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	X, U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	Q, X, 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	Q, 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	Q, 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	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

GW8039-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105082-03	File ID:	0508203.D
Sampled:	05/09/11 08:00	Prepared:	05/17/11 00:00	Analyzed:	05/17/11 10:01
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1E16009 Sequence: 1E13808 Calibration: 1138001 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	Y, 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	Y, 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	X, U
79-01-6	Trichloroethene		0.250	0.500	1.00	Q, X, 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	32.44	108	75 - 120	
Dibromofluoromethane	30.00	29.75	99.2	85 - 115	
1,2-Dichloroethane-d4	30.00	28.65	95.5	70 - 120	
Toluene-d8	30.00	32.13	107	85 - 120	

ANALYSIS DATA SHEET

GW0085

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105093-01	File ID:	0509301.D
Sampled:	05/10/11 13:31	Prepared:	05/13/11 00:00	Analyzed:	05/13/11 14:33
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1E13302 Sequence: 1E13402 Calibration: 1084001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	2.80	2.50	5.00	10.0	X, J
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	X, 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	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	X, U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	X, 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	X, 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

GW0085

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105093-01	File ID:	0509301.D
Sampled:	05/10/11 13:31	Prepared:	05/13/11 00:00	Analyzed:	05/13/11 14:33
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1E13302 Sequence: 1E13402 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	Q, 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	X, 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	31.36	105	75 - 120	
Dibromofluoromethane	30.00	32.15	107	85 - 115	
1,2-Dichloroethane-d4	30.00	28.98	96.6	70 - 120	
Toluene-d8	30.00	31.83	106	85 - 120	

ANALYSIS DATA SHEET

GW0086

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105093-03	File ID:	0509303.D
Sampled:	05/10/11 13:31	Prepared:	05/13/11 00:00	Analyzed:	05/13/11 15:03
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1E13302 Sequence: 1E13402 Calibration: 1084001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	2.98	2.50	5.00	10.0	X, J
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	X, 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	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	X, U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	X, 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	X, 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

GW0086

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105093-03	File ID:	0509303.D
Sampled:	05/10/11 13:31	Prepared:	05/13/11 00:00	Analyzed:	05/13/11 15:03
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1E13302 Sequence: 1E13402 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	Q, 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	X, 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	29.87	99.6	75 - 120	
Dibromofluoromethane	30.00	34.03	113	85 - 115	
1,2-Dichloroethane-d4	30.00	30.75	102	70 - 120	
Toluene-d8	30.00	27.74	92.5	85 - 120	

ANALYSIS DATA SHEET

GW8040-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105093-05	File ID:	0509305.D
Sampled:	05/10/11 08:00	Prepared:	05/13/11 00:00	Analyzed:	05/13/11 13:04
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1E13302 Sequence: 1E13402 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	X, 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	X, 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	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	X, U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	X, 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	X, 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

GW8040-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105093-05	File ID:	0509305.D
Sampled:	05/10/11 08:00	Prepared:	05/13/11 00:00	Analyzed:	05/13/11 13:04
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1E13302 Sequence: 1E13402 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	Q, 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	X, 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	28.18	93.9	75 - 120	
Dibromofluoromethane	30.00	32.67	109	85 - 115	
1,2-Dichloroethane-d4	30.00	30.99	103	70 - 120	
Toluene-d8	30.00	27.71	92.4	85 - 120	

ANALYSIS DATA SHEET

GW0087

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105113-01	File ID:	0511301.D
Sampled:	05/11/11 13:58	Prepared:	05/17/11 00:00	Analyzed:	05/17/11 13:46
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1E17012 Sequence: 1E13807 Calibration: 1110001 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	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	0.323	0.250	0.500	1.00	J
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

GW0087

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105113-01	File ID:	0511301.D
Sampled:	05/11/11 13:58	Prepared:	05/17/11 00:00	Analyzed:	05/17/11 13:46
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1E17012 Sequence: 1E13807 Calibration: 1110001 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	0.350	0.250	0.500	1.00	J, B
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	0.445	0.250	0.500	1.00	J
108-88-3	Toluene	1.52	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	0.352	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	Y, U
108-38-3/106-42-	m,p-Xylene	0.643	0.500	1.00	2.00	J
95-47-6	o-Xylene	0.275	0.250	0.500	1.00	J

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.22	97.4	75 - 120	
Dibromofluoromethane	30.00	28.50	95.0	85 - 115	
1,2-Dichloroethane-d4	30.00	28.78	95.9	70 - 120	
Toluene-d8	30.00	31.60	105	85 - 120	

ANALYSIS DATA SHEET

GW0088

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105113-03RE1	File ID:	0511303.D
Sampled:	05/11/11 10:03	Prepared:	05/19/11 00:00	Analyzed:	05/19/11 10:36
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1E19004 Sequence: 1E14009 Calibration: 1110001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	13.6	2.50	5.00	10.0	
71-43-2	Benzene	37.1	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	6.80	0.250	0.500	1.00	
78-93-3	2-Butanone	3.15	2.50	5.00	10.0	J
135-98-8	sec-Butylbenzene	7.27	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	0.272	0.250	0.500	1.00	J
75-15-0	Carbon disulfide		0.250	0.500	1.00	X, 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	Q, 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)	1.42	0.250	0.500	1.00	
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	0.437	0.250	0.500	1.00	J
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	20.1	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0088

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105113-03RE1	File ID:	0511303.D
Sampled:	05/11/11 10:03	Prepared:	05/19/11 00:00	Analyzed:	05/19/11 10:36
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1E19004 Sequence: 1E14009 Calibration: 1110001 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	3.96	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	7.28	0.250	0.500	1.00	
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene	3.79	0.250	0.500	1.00	B
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	4.97	0.250	0.500	1.00	
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	0.442	0.250	0.500	1.00	J
108-88-3	Toluene	120	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	9.52	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	19.9	0.250	0.500	1.00	
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene	50.0	0.500	1.00	2.00	
95-47-6	o-Xylene	13.8	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.21	97.4	75 - 120	
Dibromofluoromethane	30.00	28.38	94.6	85 - 115	
1,2-Dichloroethane-d4	30.00	28.26	94.2	70 - 120	
Toluene-d8	30.00	31.18	104	85 - 120	

ANALYSIS DATA SHEET

GW8041-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105113-05	File ID:	0511305.D
Sampled:	05/11/11 08:00	Prepared:	05/17/11 00:00	Analyzed:	05/17/11 12:07
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1E17012 Sequence: 1E13807 Calibration: 1110001 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	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

GW8041-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105113-05	File ID:	0511305.D
Sampled:	05/11/11 08:00	Prepared:	05/17/11 00:00	Analyzed:	05/17/11 12:07
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1E17012 Sequence: 1E13807 Calibration: 1110001 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	0.387	0.250	0.500	1.00	J, B
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	0.301	0.250	0.500	1.00	J, B
120-82-1	1,2,4-Trichlorobenzene	0.290	0.250	0.500	1.00	J
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	30.01	100	75 - 120	
Dibromofluoromethane	30.00	28.87	96.2	85 - 115	
1,2-Dichloroethane-d4	30.00	29.83	99.4	70 - 120	
Toluene-d8	30.00	32.32	108	85 - 120	

ANALYSIS DATA SHEET

GW0099

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1105122-01	File ID:	0512201.D
Sampled:	05/12/11 13:42	Prepared:	05/17/11 00:00	Analyzed:	05/17/11 14:11
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1E17012 Sequence: 1E13807 Calibration: 1110001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	2.92	2.50	5.00	10.0	J
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

GW0099

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1105122-01	File ID:	0512201.D
Sampled:	05/12/11 13:42	Prepared:	05/17/11 00:00	Analyzed:	05/17/11 14:11
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1E17012 Sequence: 1E13807 Calibration: 1110001 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	0.428	0.250	0.500	1.00	J
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	29.11	97.0	75 - 120	
Dibromofluoromethane	30.00	28.58	95.3	85 - 115	
1,2-Dichloroethane-d4	30.00	29.52	98.4	70 - 120	
Toluene-d8	30.00	31.72	106	85 - 120	

ANALYSIS DATA SHEET

GW8042-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1105122-03	File ID:	0512203.D
Sampled:	05/12/11 08:00	Prepared:	05/17/11 00:00	Analyzed:	05/17/11 12:32
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1E17012 Sequence: 1E13807 Calibration: 1110001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	4.24	2.50	5.00	10.0	J
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

GW8042-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1105122-03	File ID:	0512203.D
Sampled:	05/12/11 08:00	Prepared:	05/17/11 00:00	Analyzed:	05/17/11 12:32
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1E17012 Sequence: 1E13807 Calibration: 1110001 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	6.82	0.500	1.00	2.00	
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	0.323	0.250	0.500	1.00	J, B
120-82-1	1,2,4-Trichlorobenzene	0.297	0.250	0.500	1.00	J
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	28.86	96.2	75 - 120	
Dibromofluoromethane	30.00	29.05	96.8	85 - 115	
1,2-Dichloroethane-d4	30.00	29.76	99.2	70 - 120	
Toluene-d8	30.00	31.79	106	85 - 120	

ANALYSIS DATA SHEET

GW0049

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1105137-01	File ID:	0513701D.D
Sampled:	05/13/11 10:05	Prepared:	05/19/11 00:00	Analyzed:	05/19/11 16:05
Solids:		Preparation:	5030B	Dilution:	50

Batch: 1E19004 Sequence: 1E14009 Calibration: 1110001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		125	250	500	U
71-43-2	Benzene	8330	12.5	25.0	50.0	D
108-86-1	Bromobenzene		12.5	25.0	50.0	U
74-97-5	Bromochloromethane		12.5	25.0	50.0	U
75-27-4	Bromodichloromethane		12.5	25.0	50.0	U
75-25-2	Bromoform		12.5	25.0	50.0	U
74-83-9	Bromomethane		25.0	50.0	100	U
104-51-8	n-Butylbenzene		12.5	25.0	50.0	U
78-93-3	2-Butanone		125	250	500	U
135-98-8	sec-Butylbenzene	14.3	12.5	25.0	50.0	J, D
98-06-6	tert-Butylbenzene		12.5	25.0	50.0	U
75-15-0	Carbon disulfide		12.5	25.0	50.0	X, U
56-23-5	Carbon tetrachloride		12.5	25.0	50.0	U
108-90-7	Chlorobenzene		12.5	25.0	50.0	U
75-00-3	Chloroethane		25.0	50.0	100	U
67-66-3	Chloroform		12.5	25.0	50.0	U
74-87-3	Chloromethane		12.5	25.0	50.0	Q, U
95-49-8	2-Chlorotoluene		12.5	25.0	50.0	U
106-43-4	4-Chlorotoluene		12.5	25.0	50.0	U
124-48-1	Dibromochloromethane		12.5	25.0	50.0	U
96-12-8	1,2-Dibromo-3-chloropropane		25.0	50.0	100	U
106-93-4	1,2-Dibromoethane (EDB)		12.5	25.0	50.0	U
74-95-3	Dibromomethane		12.5	25.0	50.0	U
95-50-1	1,2-Dichlorobenzene		12.5	25.0	50.0	U
541-73-1	1,3-Dichlorobenzene		12.5	25.0	50.0	U
106-46-7	1,4-Dichlorobenzene		12.5	25.0	50.0	U
75-71-8	Dichlorodifluoromethane		25.0	50.0	100	U
75-34-3	1,1-Dichloroethane		12.5	25.0	50.0	U
107-06-2	1,2-Dichloroethane		12.5	25.0	50.0	U
75-35-4	1,1-Dichloroethene		12.5	25.0	50.0	U
156-59-2	cis-1,2-Dichloroethene		12.5	25.0	50.0	U
156-60-5	trans-1,2-Dichloroethene		12.5	25.0	50.0	U
78-87-5	1,2-Dichloropropane		12.5	25.0	50.0	U
142-28-9	1,3-Dichloropropane		12.5	25.0	50.0	U
594-20-7	2,2-Dichloropropane		12.5	25.0	50.0	U
563-58-6	1,1-Dichloropropene		12.5	25.0	50.0	U
10061-01-5	cis-1,3-Dichloropropene		12.5	25.0	50.0	U
10061-02-6	trans-1,3-Dichloropropene		12.5	25.0	50.0	U
100-41-4	Ethylbenzene	863	12.5	25.0	50.0	D
87-68-3	Hexachlorobutadiene		12.5	25.0	50.0	U

ANALYSIS DATA SHEET

GW0049

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1105137-01	File ID:	0513701D.D
Sampled:	05/13/11 10:05	Prepared:	05/19/11 00:00	Analyzed:	05/19/11 16:05
Solids:		Preparation:	5030B	Dilution:	50

Batch: 1E19004 Sequence: 1E14009 Calibration: 1110001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		62.5	125	250	U
98-82-8	Isopropylbenzene	75.5	12.5	25.0	50.0	D
99-87-6	p-Isopropyltoluene	14.3	12.5	25.0	50.0	J, D
75-09-2	Methylene chloride		25.0	50.0	100	U
91-20-3	Naphthalene	92.5	12.5	25.0	50.0	D, B
108-10-1	4-Methyl-2-pentanone	191	62.5	125	250	J, D
1634-04-4	Methyl t-Butyl Ether		12.5	25.0	50.0	U
103-65-1	n-Propylbenzene	67.3	12.5	25.0	50.0	D
100-42-5	Styrene		12.5	25.0	50.0	U
79-34-5	1,1,2,2-Tetrachloroethane		12.5	25.0	50.0	U
630-20-6	1,1,1,2-Tetrachloroethane		12.5	25.0	50.0	U
127-18-4	Tetrachloroethene		12.5	25.0	50.0	U
108-88-3	Toluene	172	12.5	25.0	50.0	D
87-61-6	1,2,3-Trichlorobenzene		12.5	25.0	50.0	U
120-82-1	1,2,4-Trichlorobenzene		12.5	25.0	50.0	U
79-00-5	1,1,2-Trichloroethane		12.5	25.0	50.0	U
71-55-6	1,1,1-Trichloroethane		12.5	25.0	50.0	U
79-01-6	Trichloroethene		12.5	25.0	50.0	U
75-69-4	Trichlorofluoromethane		25.0	50.0	100	U
96-18-4	1,2,3-Trichloropropane		25.0	50.0	100	U
108-67-8	1,3,5-Trimethylbenzene	78.7	12.5	25.0	50.0	D
95-63-6	1,2,4-Trimethylbenzene	134	12.5	25.0	50.0	D
75-01-4	Vinyl chloride		12.5	25.0	50.0	U
108-38-3/106-42-	m,p-Xylene	80.4	25.0	50.0	100	J, D
95-47-6	o-Xylene	169	12.5	25.0	50.0	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.84	96.1	75 - 120	
Dibromofluoromethane	30.00	28.77	95.9	85 - 115	
1,2-Dichloroethane-d4	30.00	28.69	95.6	70 - 120	
Toluene-d8	30.00	31.43	105	85 - 120	

ANALYSIS DATA SHEET

GW0055

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1105137-03	File ID:	0513703D.D
Sampled:	05/13/11 13:33	Prepared:	05/19/11 00:00	Analyzed:	05/19/11 16:31
Solids:		Preparation:	5030B	Dilution:	50

Batch: 1E19004 Sequence: 1E14009 Calibration: 1110001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	3620	125	250	500	D
71-43-2	Benzene	6670	12.5	25.0	50.0	D
108-86-1	Bromobenzene		12.5	25.0	50.0	U
74-97-5	Bromochloromethane		12.5	25.0	50.0	U
75-27-4	Bromodichloromethane		12.5	25.0	50.0	U
75-25-2	Bromoform		12.5	25.0	50.0	U
74-83-9	Bromomethane		25.0	50.0	100	U
104-51-8	n-Butylbenzene	15.2	12.5	25.0	50.0	J, D
78-93-3	2-Butanone	1270	125	250	500	D
135-98-8	sec-Butylbenzene		12.5	25.0	50.0	U
98-06-6	tert-Butylbenzene		12.5	25.0	50.0	U
75-15-0	Carbon disulfide		12.5	25.0	50.0	X, U
56-23-5	Carbon tetrachloride		12.5	25.0	50.0	U
108-90-7	Chlorobenzene		12.5	25.0	50.0	U
75-00-3	Chloroethane		25.0	50.0	100	U
67-66-3	Chloroform		12.5	25.0	50.0	U
74-87-3	Chloromethane		12.5	25.0	50.0	Q, U
95-49-8	2-Chlorotoluene		12.5	25.0	50.0	U
106-43-4	4-Chlorotoluene		12.5	25.0	50.0	U
124-48-1	Dibromochloromethane		12.5	25.0	50.0	U
96-12-8	1,2-Dibromo-3-chloropropane		25.0	50.0	100	U
106-93-4	1,2-Dibromoethane (EDB)	232	12.5	25.0	50.0	D
74-95-3	Dibromomethane		12.5	25.0	50.0	U
95-50-1	1,2-Dichlorobenzene		12.5	25.0	50.0	U
541-73-1	1,3-Dichlorobenzene		12.5	25.0	50.0	U
106-46-7	1,4-Dichlorobenzene		12.5	25.0	50.0	U
75-71-8	Dichlorodifluoromethane		25.0	50.0	100	U
75-34-3	1,1-Dichloroethane		12.5	25.0	50.0	U
107-06-2	1,2-Dichloroethane		12.5	25.0	50.0	U
75-35-4	1,1-Dichloroethene		12.5	25.0	50.0	U
156-59-2	cis-1,2-Dichloroethene		12.5	25.0	50.0	U
156-60-5	trans-1,2-Dichloroethene		12.5	25.0	50.0	U
78-87-5	1,2-Dichloropropane		12.5	25.0	50.0	U
142-28-9	1,3-Dichloropropane		12.5	25.0	50.0	U
594-20-7	2,2-Dichloropropane		12.5	25.0	50.0	U
563-58-6	1,1-Dichloropropene		12.5	25.0	50.0	U
10061-01-5	cis-1,3-Dichloropropene		12.5	25.0	50.0	U
10061-02-6	trans-1,3-Dichloropropene		12.5	25.0	50.0	U
100-41-4	Ethylbenzene	1060	12.5	25.0	50.0	D
87-68-3	Hexachlorobutadiene		12.5	25.0	50.0	U

ANALYSIS DATA SHEET

GW0055

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1105137-03	File ID:	0513703D.D
Sampled:	05/13/11 13:33	Prepared:	05/19/11 00:00	Analyzed:	05/19/11 16:31
Solids:		Preparation:	5030B	Dilution:	50

Batch: 1E19004 Sequence: 1E14009 Calibration: 1110001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	385	62.5	125	250	D
98-82-8	Isopropylbenzene	109	12.5	25.0	50.0	D
99-87-6	p-Isopropyltoluene	16.2	12.5	25.0	50.0	J, D
75-09-2	Methylene chloride		25.0	50.0	100	U
91-20-3	Naphthalene	98.3	12.5	25.0	50.0	D, B
108-10-1	4-Methyl-2-pentanone	247	62.5	125	250	J, D
1634-04-4	Methyl t-Butyl Ether		12.5	25.0	50.0	U
103-65-1	n-Propylbenzene	97.6	12.5	25.0	50.0	D
100-42-5	Styrene		12.5	25.0	50.0	U
79-34-5	1,1,2,2-Tetrachloroethane		12.5	25.0	50.0	U
630-20-6	1,1,1,2-Tetrachloroethane		12.5	25.0	50.0	U
127-18-4	Tetrachloroethene		12.5	25.0	50.0	U
108-88-3	Toluene	11300	12.5	25.0	50.0	D, E
87-61-6	1,2,3-Trichlorobenzene		12.5	25.0	50.0	U
120-82-1	1,2,4-Trichlorobenzene		12.5	25.0	50.0	U
79-00-5	1,1,2-Trichloroethane		12.5	25.0	50.0	U
71-55-6	1,1,1-Trichloroethane		12.5	25.0	50.0	U
79-01-6	Trichloroethene		12.5	25.0	50.0	U
75-69-4	Trichlorofluoromethane		25.0	50.0	100	U
96-18-4	1,2,3-Trichloropropane		25.0	50.0	100	U
108-67-8	1,3,5-Trimethylbenzene	88.1	12.5	25.0	50.0	D
95-63-6	1,2,4-Trimethylbenzene	257	12.5	25.0	50.0	D
75-01-4	Vinyl chloride		12.5	25.0	50.0	U
108-38-3/106-42-	m,p-Xylene	1940	25.0	50.0	100	D
95-47-6	o-Xylene	863	12.5	25.0	50.0	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.28	97.6	75 - 120	
Dibromofluoromethane	30.00	28.66	95.5	85 - 115	
1,2-Dichloroethane-d4	30.00	29.97	99.9	70 - 120	
Toluene-d8	30.00	31.03	103	85 - 120	

ANALYSIS DATA SHEET

GW0055

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1105137-03RE1	File ID:	0513703R.D
Sampled:	05/13/11 13:33	Prepared:	05/20/11 00:00	Analyzed:	05/20/11 11:21
Solids:		Preparation:	5030B	Dilution:	100

Batch: 1E20016 Sequence: 1E14101 Calibration: 1110001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	3590	250	500	1000	D
71-43-2	Benzene	6720	25.0	50.0	100	D
108-86-1	Bromobenzene		25.0	50.0	100	U
74-97-5	Bromochloromethane		25.0	50.0	100	U
75-27-4	Bromodichloromethane		25.0	50.0	100	U
75-25-2	Bromoform		25.0	50.0	100	U
74-83-9	Bromomethane		50.0	100	200	U
104-51-8	n-Butylbenzene		25.0	50.0	100	U
78-93-3	2-Butanone	1160	250	500	1000	D
135-98-8	sec-Butylbenzene		25.0	50.0	100	U
98-06-6	tert-Butylbenzene		25.0	50.0	100	U
75-15-0	Carbon disulfide		25.0	50.0	100	X, U
56-23-5	Carbon tetrachloride		25.0	50.0	100	U
108-90-7	Chlorobenzene		25.0	50.0	100	U
75-00-3	Chloroethane		50.0	100	200	U
67-66-3	Chloroform		25.0	50.0	100	U
74-87-3	Chloromethane		25.0	50.0	100	U
95-49-8	2-Chlorotoluene		25.0	50.0	100	U
106-43-4	4-Chlorotoluene		25.0	50.0	100	U
124-48-1	Dibromochloromethane		25.0	50.0	100	U
96-12-8	1,2-Dibromo-3-chloropropane		50.0	100	200	U
106-93-4	1,2-Dibromoethane (EDB)	243	25.0	50.0	100	D
74-95-3	Dibromomethane		25.0	50.0	100	U
95-50-1	1,2-Dichlorobenzene		25.0	50.0	100	U
541-73-1	1,3-Dichlorobenzene		25.0	50.0	100	U
106-46-7	1,4-Dichlorobenzene		25.0	50.0	100	U
75-71-8	Dichlorodifluoromethane		50.0	100	200	U
75-34-3	1,1-Dichloroethane		25.0	50.0	100	U
107-06-2	1,2-Dichloroethane		25.0	50.0	100	U
75-35-4	1,1-Dichloroethene		25.0	50.0	100	U
156-59-2	cis-1,2-Dichloroethene		25.0	50.0	100	U
156-60-5	trans-1,2-Dichloroethene		25.0	50.0	100	U
78-87-5	1,2-Dichloropropane		25.0	50.0	100	U
142-28-9	1,3-Dichloropropane		25.0	50.0	100	U
594-20-7	2,2-Dichloropropane		25.0	50.0	100	U
563-58-6	1,1-Dichloropropene		25.0	50.0	100	U
10061-01-5	cis-1,3-Dichloropropene		25.0	50.0	100	U
10061-02-6	trans-1,3-Dichloropropene		25.0	50.0	100	U
100-41-4	Ethylbenzene	1050	25.0	50.0	100	D
87-68-3	Hexachlorobutadiene		25.0	50.0	100	U

ANALYSIS DATA SHEET

GW0055

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1105137-03RE1	File ID:	0513703R.D
Sampled:	05/13/11 13:33	Prepared:	05/20/11 00:00	Analyzed:	05/20/11 11:21
Solids:		Preparation:	5030B	Dilution:	100

Batch: 1E20016 Sequence: 1E14101 Calibration: 1110001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	381	125	250	500	J, D
98-82-8	Isopropylbenzene	92.1	25.0	50.0	100	J, D
99-87-6	p-Isopropyltoluene		25.0	50.0	100	U
75-09-2	Methylene chloride		50.0	100	200	U
91-20-3	Naphthalene	88.4	25.0	50.0	100	J, D, B
108-10-1	4-Methyl-2-pentanone	223	125	250	500	J, D
1634-04-4	Methyl t-Butyl Ether		25.0	50.0	100	U
103-65-1	n-Propylbenzene	98.9	25.0	50.0	100	J, D
100-42-5	Styrene		25.0	50.0	100	U
79-34-5	1,1,2,2-Tetrachloroethane		25.0	50.0	100	U
630-20-6	1,1,1,2-Tetrachloroethane		25.0	50.0	100	U
127-18-4	Tetrachloroethene		25.0	50.0	100	U
108-88-3	Toluene	11200	25.0	50.0	100	D
87-61-6	1,2,3-Trichlorobenzene		25.0	50.0	100	U
120-82-1	1,2,4-Trichlorobenzene		25.0	50.0	100	U
79-00-5	1,1,2-Trichloroethane		25.0	50.0	100	U
71-55-6	1,1,1-Trichloroethane		25.0	50.0	100	U
79-01-6	Trichloroethene		25.0	50.0	100	U
75-69-4	Trichlorofluoromethane		50.0	100	200	U
96-18-4	1,2,3-Trichloropropane		50.0	100	200	U
108-67-8	1,3,5-Trimethylbenzene	95.5	25.0	50.0	100	J, D
95-63-6	1,2,4-Trimethylbenzene	253	25.0	50.0	100	D
75-01-4	Vinyl chloride		25.0	50.0	100	U
108-38-3/106-42-	m,p-Xylene	1860	50.0	100	200	D
95-47-6	o-Xylene	835	25.0	50.0	100	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.21	97.4	75 - 120	
Dibromofluoromethane	30.00	28.98	96.6	85 - 115	
1,2-Dichloroethane-d4	30.00	29.84	99.5	70 - 120	
Toluene-d8	30.00	30.49	102	85 - 120	

ANALYSIS DATA SHEET

GW8043-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1105137-05	File ID:	0513705.D
Sampled:	05/13/11 08:00	Prepared:	05/19/11 00:00	Analyzed:	05/19/11 10:11
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1E19004 Sequence: 1E14009 Calibration: 1110001 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	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	X, 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	Q, 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

GW8043-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1105137-05	File ID:	0513705.D
Sampled:	05/13/11 08:00	Prepared:	05/19/11 00:00	Analyzed:	05/19/11 10:11
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1E19004 Sequence: 1E14009 Calibration: 1110001 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	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	28.57	95.2	75 - 120	
Dibromofluoromethane	30.00	29.16	97.2	85 - 115	
1,2-Dichloroethane-d4	30.00	29.07	96.9	70 - 120	
Toluene-d8	30.00	31.26	104	85 - 120	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E13311	Instrument:	MS-VOA4
		Calibration:	1084001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1E13311-CCV1) ug/L				Lab File ID: 0512CCV1.D		Analyzed: 05/12/11 08:00		
Bromofluorobenzene	30.00	103	80 - 120	16.445	16.445	0.0000	+/-1.000	
Dibromofluoromethane	30.00	107	80 - 120	8.8	8.8	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	111	80 - 120	10.033	10.033	0.0000	+/-1.000	
Toluene-d8	30.00	100	80 - 120	14.107	14.107	0.0000	+/-1.000	
LCS (1E12926-BS1) ug/L				Lab File ID: 0512LCS1.D		Analyzed: 05/12/11 08:41		
Bromofluorobenzene	30.00	98.6	75 - 120	16.44	16.445	-0.0050	+/-1.000	
Dibromofluoromethane	30.00	106	85 - 115	8.785	8.8	-0.0150	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	10.028	10.033	-0.0050	+/-1.000	
Toluene-d8	30.00	98.9	85 - 120	14.112	14.107	0.0050	+/-1.000	
Blank (1E12926-BLK1) ug/L				Lab File ID: 0512BL1.D		Analyzed: 05/12/11 10:11		
Bromofluorobenzene	30.00	104	75 - 120	16.434	16.445	-0.0110	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	8.779	8.8	-0.0210	+/-1.000	
1,2-Dichloroethane-d4	30.00	109	70 - 120	10.002	10.033	-0.0310	+/-1.000	
Toluene-d8	30.00	100	85 - 120	14.106	14.107	-0.0010	+/-1.000	
GW0060 (1105082-01) ug/L				Lab File ID: 0508201.D		Analyzed: 05/12/11 13:42		
Bromofluorobenzene	30.00	100	75 - 120	16.432	16.445	-0.0130	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	8.776	8.8	-0.0240	+/-1.000	
1,2-Dichloroethane-d4	30.00	108	70 - 120	10	10.033	-0.0330	+/-1.000	
Toluene-d8	30.00	99.2	85 - 120	14.103	14.107	-0.0040	+/-1.000	
Matrix Spike (1E12926-MS1) ug/L				Lab File ID: 0508201M.D		Analyzed: 05/12/11 18:14		
Bromofluorobenzene	30.00	96.8	75 - 120	16.434	16.445	-0.0110	+/-1.000	
Dibromofluoromethane	30.00	110	85 - 115	8.779	8.8	-0.0210	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	10.012	10.033	-0.0210	+/-1.000	
Toluene-d8	30.00	91.7	85 - 120	14.106	14.107	-0.0010	+/-1.000	
Matrix Spike Dup (1E12926-MSD1) ug/L				Lab File ID: 0508201S.D		Analyzed: 05/12/11 18:44		
Bromofluorobenzene	30.00	101	75 - 120	16.44	16.445	-0.0050	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	8.776	8.8	-0.0240	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.8	70 - 120	10.009	10.033	-0.0240	+/-1.000	
Toluene-d8	30.00	92.2	85 - 120	14.102	14.107	-0.0050	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E13402	Instrument:	MS-VOA4
		Calibration:	1084001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1E13402-CCV1) ug/L				Lab File ID: 0513CCV1.D		Analyzed: 05/13/11 09:25		
Bromofluorobenzene	30.00	102	80 - 120	16.442	16.442	0.0000	+/-1.000	
Dibromofluoromethane	30.00	108	80 - 120	8.807	8.807	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	108	80 - 120	10.04	10.04	0.0000	+/-1.000	
Toluene-d8	30.00	97.8	80 - 120	14.114	14.114	0.0000	+/-1.000	
LCS (1E13302-BS1) ug/L				Lab File ID: 0513LCS1.D		Analyzed: 05/13/11 10:05		
Bromofluorobenzene	30.00	105	75 - 120	16.441	16.442	-0.0010	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	8.806	8.807	-0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	10.049	10.04	0.0090	+/-1.000	
Toluene-d8	30.00	111	85 - 120	14.113	14.114	-0.0010	+/-1.000	
Blank (1E13302-BLK1) ug/L				Lab File ID: 0513BL1.D		Analyzed: 05/13/11 11:35		
Bromofluorobenzene	30.00	96.3	75 - 120	16.45	16.442	0.0080	+/-1.000	
Dibromofluoromethane	30.00	108	85 - 115	8.815	8.807	0.0080	+/-1.000	
1,2-Dichloroethane-d4	30.00	110	70 - 120	10.057	10.04	0.0170	+/-1.000	
Toluene-d8	30.00	99.4	85 - 120	14.122	14.114	0.0080	+/-1.000	
GW8040-TB (1105093-05) ug/L				Lab File ID: 0509305.D		Analyzed: 05/13/11 13:04		
Bromofluorobenzene	30.00	93.9	75 - 120	16.446	16.442	0.0040	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	8.82	8.807	0.0130	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	10.063	10.04	0.0230	+/-1.000	
Toluene-d8	30.00	92.4	85 - 120	14.118	14.114	0.0040	+/-1.000	
GW0085 (1105093-01) ug/L				Lab File ID: 0509301.D		Analyzed: 05/13/11 14:33		
Bromofluorobenzene	30.00	105	75 - 120	16.443	16.442	0.0010	+/-1.000	
Dibromofluoromethane	30.00	107	85 - 115	8.818	8.807	0.0110	+/-1.000	
1,2-Dichloroethane-d4	30.00	96.6	70 - 120	10.061	10.04	0.0210	+/-1.000	
Toluene-d8	30.00	106	85 - 120	14.125	14.114	0.0110	+/-1.000	
GW0086 (1105093-03) ug/L				Lab File ID: 0509303.D		Analyzed: 05/13/11 15:03		
Bromofluorobenzene	30.00	99.6	75 - 120	16.451	16.442	0.0090	+/-1.000	
Dibromofluoromethane	30.00	113	85 - 115	8.815	8.807	0.0080	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	10.058	10.04	0.0180	+/-1.000	
Toluene-d8	30.00	92.5	85 - 120	14.123	14.114	0.0090	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E13807	Instrument:	MS-VOA5
		Calibration:	1110001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1E13807-CCV1) ug/L				Lab File ID: 0517CC1.D		Analyzed: 05/17/11 09:45		
Bromofluorobenzene	30.00	95.8	80 - 120	12.247	12.247	0.0000	+/-1.000	
Dibromofluoromethane	30.00	101	80 - 120	6.888	6.888	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	107	80 - 120	7.391	7.391	0.0000	+/-1.000	
Toluene-d8	30.00	93.5	80 - 120	9.617	9.617	0.0000	+/-1.000	
LCS (1E17012-BS1) ug/L				Lab File ID: 0517LS1.D		Analyzed: 05/17/11 10:28		
Bromofluorobenzene	30.00	94.0	75 - 120	12.251	12.247	0.0040	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.892	6.888	0.0040	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.395	7.391	0.0040	+/-1.000	
Toluene-d8	30.00	98.3	85 - 120	9.621	9.617	0.0040	+/-1.000	
Blank (1E17012-BLK1) ug/L				Lab File ID: 0517BL1.D		Analyzed: 05/17/11 11:42		
Bromofluorobenzene	30.00	101	75 - 120	12.246	12.247	-0.0010	+/-1.000	
Dibromofluoromethane	30.00	97.0	85 - 115	6.888	6.888	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.0	70 - 120	7.39	7.391	-0.0010	+/-1.000	
Toluene-d8	30.00	108	85 - 120	9.616	9.617	-0.0010	+/-1.000	
GW8041-TB (1105113-05) ug/L				Lab File ID: 0511305.D		Analyzed: 05/17/11 12:07		
Bromofluorobenzene	30.00	100	75 - 120	12.251	12.247	0.0040	+/-1.000	
Dibromofluoromethane	30.00	96.2	85 - 115	6.892	6.888	0.0040	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.4	70 - 120	7.394	7.391	0.0030	+/-1.000	
Toluene-d8	30.00	108	85 - 120	9.621	9.617	0.0040	+/-1.000	
GW8042-TB (1105122-03) ug/L				Lab File ID: 0512203.D		Analyzed: 05/17/11 12:32		
Bromofluorobenzene	30.00	96.2	75 - 120	12.246	12.247	-0.0010	+/-1.000	
Dibromofluoromethane	30.00	96.8	85 - 115	6.888	6.888	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.2	70 - 120	7.39	7.391	-0.0010	+/-1.000	
Toluene-d8	30.00	106	85 - 120	9.616	9.617	-0.0010	+/-1.000	
GW0087 (1105113-01) ug/L				Lab File ID: 0511301.D		Analyzed: 05/17/11 13:46		
Bromofluorobenzene	30.00	97.4	75 - 120	12.243	12.247	-0.0040	+/-1.000	
Dibromofluoromethane	30.00	95.0	85 - 115	6.894	6.888	0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	95.9	70 - 120	7.387	7.391	-0.0040	+/-1.000	
Toluene-d8	30.00	105	85 - 120	9.623	9.617	0.0060	+/-1.000	
GW0099 (1105122-01) ug/L				Lab File ID: 0512201.D		Analyzed: 05/17/11 14:11		
Bromofluorobenzene	30.00	97.0	75 - 120	12.255	12.247	0.0080	+/-1.000	
Dibromofluoromethane	30.00	95.3	85 - 115	6.896	6.888	0.0080	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.4	70 - 120	7.389	7.391	-0.0020	+/-1.000	
Toluene-d8	30.00	106	85 - 120	9.625	9.617	0.0080	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E13807	Instrument:	MS-VOA5
		Calibration:	1110001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
LCS Dup (1E17012-BSD1) ug/L				Lab File ID: 0517LD1.D		Analyzed: 05/17/11 21:13		
Bromofluorobenzene	30.00	99.3	75 - 120	12.25	12.247	0.0030	+/-1.000	
Dibromofluoromethane	30.00	100	85 - 115	6.891	6.888	0.0030	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.394	7.391	0.0030	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.62	9.617	0.0030	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E13808	Instrument:	MS-VOA4
		Calibration:	1138001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1E13808-CCV1) ug/L				Lab File ID: 0517CCV1.D		Analyzed: 05/17/11 07:21		
Bromofluorobenzene	30.00	111	80 - 120	16.451	16.451	0.0000	+/-1.000	
Dibromofluoromethane	30.00	95.0	80 - 120	8.836	8.836	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	97.1	80 - 120	10.079	10.079	0.0000	+/-1.000	
Toluene-d8	30.00	110	80 - 120	14.123	14.123	0.0000	+/-1.000	
LCS (1E16009-BS1) ug/L				Lab File ID: 0517LCS1.D		Analyzed: 05/17/11 08:03		
Bromofluorobenzene	30.00	105	75 - 120	16.453	16.451	0.0020	+/-1.000	
Dibromofluoromethane	30.00	100	85 - 115	8.837	8.836	0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	10.08	10.079	0.0010	+/-1.000	
Toluene-d8	30.00	105	85 - 120	14.125	14.123	0.0020	+/-1.000	
Blank (1E16009-BLK1) ug/L				Lab File ID: 0517BL1.D		Analyzed: 05/17/11 09:31		
Bromofluorobenzene	30.00	107	75 - 120	16.446	16.451	-0.0050	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	8.831	8.836	-0.0050	+/-1.000	
1,2-Dichloroethane-d4	30.00	110	70 - 120	10.074	10.079	-0.0050	+/-1.000	
Toluene-d8	30.00	108	85 - 120	14.128	14.123	0.0050	+/-1.000	
GW8039-TB (1105082-03) ug/L				Lab File ID: 0508203.D		Analyzed: 05/17/11 10:01		
Bromofluorobenzene	30.00	108	75 - 120	16.451	16.451	0.0000	+/-1.000	
Dibromofluoromethane	30.00	99.2	85 - 115	8.835	8.836	-0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	95.5	70 - 120	10.078	10.079	-0.0010	+/-1.000	
Toluene-d8	30.00	107	85 - 120	14.123	14.123	0.0000	+/-1.000	
LCS Dup (1E16009-BSD1) ug/L				Lab File ID: 0517LD1.D		Analyzed: 05/17/11 18:25		
Bromofluorobenzene	30.00	116	75 - 120	16.452	16.451	0.0010	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	8.836	8.836	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	10.079	10.079	0.0000	+/-1.000	
Toluene-d8	30.00	110	85 - 120	14.123	14.123	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E14009	Instrument:	MS-VOA5
		Calibration:	1110001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1E14009-CCV1) ug/L				Lab File ID: 0519CC1.D		Analyzed: 05/19/11 06:42		
Bromofluorobenzene	30.00	97.9	80 - 120	12.246	12.246	0.0000	+/-1.000	
Dibromofluoromethane	30.00	102	80 - 120	6.877	6.877	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	80 - 120	7.38	7.38	0.0000	+/-1.000	
Toluene-d8	30.00	99.1	80 - 120	9.616	9.616	0.0000	+/-1.000	
LCS (1E19004-BS1) ug/L				Lab File ID: 0519LS1.D		Analyzed: 05/19/11 07:07		
Bromofluorobenzene	30.00	97.2	75 - 120	12.24	12.246	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	101	85 - 115	6.881	6.877	0.0040	+/-1.000	
1,2-Dichloroethane-d4	30.00	96.8	70 - 120	7.384	7.38	0.0040	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.61	9.616	-0.0060	+/-1.000	
Blank (1E19004-BLK1) ug/L				Lab File ID: 0519BL1.D		Analyzed: 05/19/11 08:24		
Bromofluorobenzene	30.00	97.5	75 - 120	12.236	12.246	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	97.3	85 - 115	6.877	6.877	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.6	70 - 120	7.38	7.38	0.0000	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.606	9.616	-0.0100	+/-1.000	
GW8043-TB (1105137-05) ug/L				Lab File ID: 0513705.D		Analyzed: 05/19/11 10:11		
Bromofluorobenzene	30.00	95.2	75 - 120	12.24	12.246	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	97.2	85 - 115	6.881	6.877	0.0040	+/-1.000	
1,2-Dichloroethane-d4	30.00	96.9	70 - 120	7.384	7.38	0.0040	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.61	9.616	-0.0060	+/-1.000	
GW0088 (1105113-03RE1) ug/L				Lab File ID: 0511303.D		Analyzed: 05/19/11 10:36		
Bromofluorobenzene	30.00	97.4	75 - 120	12.24	12.246	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	94.6	85 - 115	6.881	6.877	0.0040	+/-1.000	
1,2-Dichloroethane-d4	30.00	94.2	70 - 120	7.384	7.38	0.0040	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.61	9.616	-0.0060	+/-1.000	
GW0049 (1105137-01) ug/L				Lab File ID: 0513701D.D		Analyzed: 05/19/11 16:05		
Bromofluorobenzene	30.00	96.1	75 - 120	12.236	12.246	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	95.9	85 - 115	6.868	6.877	-0.0090	+/-1.000	
1,2-Dichloroethane-d4	30.00	95.6	70 - 120	7.37	7.38	-0.0100	+/-1.000	
Toluene-d8	30.00	105	85 - 120	9.606	9.616	-0.0100	+/-1.000	
GW0055 (1105137-03) ug/L				Lab File ID: 0513703D.D		Analyzed: 05/19/11 16:31		
Bromofluorobenzene	30.00	97.6	75 - 120	12.235	12.246	-0.0110	+/-1.000	
Dibromofluoromethane	30.00	95.5	85 - 115	6.876	6.877	-0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.9	70 - 120	7.369	7.38	-0.0110	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.605	9.616	-0.0110	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E14009	Instrument:	MS-VOA5
		Calibration:	1110001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
LCS Dup (1E19004-BSD1) ug/L				Lab File ID: 0519LD1.D		Analyzed: 05/19/11 18:37		
Bromofluorobenzene	30.00	97.3	75 - 120	12.231	12.246	-0.0150	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.872	6.877	-0.0050	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.374	7.38	-0.0060	+/-1.000	
Toluene-d8	30.00	105	85 - 120	9.6	9.616	-0.0160	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E14101	Instrument:	MS-VOA5
		Calibration:	1110001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1E14101-CCV1) ug/L				Lab File ID: 0520CC1.D		Analyzed: 05/20/11 07:27		
Bromofluorobenzene	30.00	98.2	80 - 120	12.237	12.237	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	80 - 120	6.878	6.878	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	80 - 120	7.381	7.381	0.0000	+/-1.000	
Toluene-d8	30.00	102	80 - 120	9.607	9.607	0.0000	+/-1.000	
LCS (1E20016-BS1) ug/L				Lab File ID: 0520LS1.D		Analyzed: 05/20/11 07:52		
Bromofluorobenzene	30.00	102	75 - 120	12.24	12.237	0.0030	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.881	6.878	0.0030	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.374	7.381	-0.0070	+/-1.000	
Toluene-d8	30.00	105	85 - 120	9.61	9.607	0.0030	+/-1.000	
Blank (1E20016-BLK1) ug/L				Lab File ID: 0520BL1.D		Analyzed: 05/20/11 09:39		
Bromofluorobenzene	30.00	100	75 - 120	12.237	12.237	0.0000	+/-1.000	
Dibromofluoromethane	30.00	96.8	85 - 115	6.878	6.878	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.381	7.381	0.0000	+/-1.000	
Toluene-d8	30.00	107	85 - 120	9.607	9.607	0.0000	+/-1.000	
GW0055 (1105137-03RE1) ug/L				Lab File ID: 0513703R.D		Analyzed: 05/20/11 11:21		
Bromofluorobenzene	30.00	97.4	75 - 120	12.235	12.237	-0.0020	+/-1.000	
Dibromofluoromethane	30.00	96.6	85 - 115	6.876	6.878	-0.0020	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.5	70 - 120	7.369	7.381	-0.0120	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.605	9.607	-0.0020	+/-1.000	

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E12926	Laboratory ID:	1E12926-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	122	122	40 - 140
Benzene	50.00	53.5	107	80 - 120
Bromobenzene	50.00	49.0	98.0	75 - 125
Bromochloromethane	50.00	53.5	107	65 - 130
Bromodichloromethane	50.00	54.9	110	75 - 120
Bromoform	50.00	49.0	98.1	70 - 130
Bromomethane	50.00	49.8	99.7	30 - 145
n-Butylbenzene	50.00	49.9	99.9	70 - 135
2-Butanone	100.0	127	127	30 - 150
sec-Butylbenzene	50.00	52.6	105	70 - 125
tert-Butylbenzene	50.00	51.1	102	70 - 130
Carbon disulfide	50.00	52.8	106	35 - 160
Carbon tetrachloride	50.00	53.0	106	65 - 140
Chlorobenzene	50.00	51.5	103	80 - 120
Chloroethane	**50.00**	**70.8**	**142**	**60 - 135**
Chloroform	50.00	53.1	106	65 - 135
Chloromethane	50.00	51.1	102	40 - 125
2-Chlorotoluene	50.00	52.5	105	75 - 125
4-Chlorotoluene	50.00	49.9	99.9	75 - 130
Dibromochloromethane	50.00	52.3	105	60 - 135
1,2-Dibromo-3-chloropropane	50.00	47.7	95.4	50 - 130
1,2-Dibromoethane (EDB)	50.00	50.4	101	80 - 120
Dibromomethane	50.00	53.8	108	75 - 125
1,2-Dichlorobenzene	50.00	50.7	101	70 - 120
1,3-Dichlorobenzene	50.00	49.3	98.6	75 - 125
1,4-Dichlorobenzene	50.00	48.6	97.1	75 - 125
Dichlorodifluoromethane	50.00	52.0	104	30 - 155
1,1-Dichloroethane	50.00	56.9	114	70 - 135
1,2-Dichloroethane	50.00	54.5	109	70 - 130
1,1-Dichloroethene	50.00	55.2	110	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E12926	Laboratory ID:	1E12926-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	53.0	106	70 - 125
trans-1,2-Dichloroethene	50.00	54.9	110	60 - 140
1,2-Dichloropropane	50.00	56.1	112	75 - 125
1,3-Dichloropropane	50.00	48.6	97.2	75 - 125
2,2-Dichloropropane	50.00	57.8	116	70 - 135
1,1-Dichloropropene	50.00	54.2	108	75 - 130
cis-1,3-Dichloropropene	50.00	53.1	106	70 - 130
trans-1,3-Dichloropropene	50.00	56.2	112	55 - 140
Ethylbenzene	50.00	50.6	101	75 - 125
Hexachlorobutadiene	50.00	46.8	93.7	50 - 140
2-Hexanone	**100.0**	**139**	**139**	**55 - 130**
Isopropylbenzene	50.00	51.5	103	75 - 125
p-Isopropyltoluene	50.00	53.6	107	75 - 130
Methylene chloride	50.00	53.7	107	55 - 140
Naphthalene	50.00	41.2	82.3	55 - 140
4-Methyl-2-pentanone	100.0	132	132	60 - 135
Methyl t-Butyl Ether	50.00	52.2	104	65 - 125
n-Propylbenzene	50.00	50.1	100	70 - 130
Styrene	50.00	52.4	105	65 - 135
1,1,2,2-Tetrachloroethane	50.00	48.4	96.7	65 - 130
1,1,1,2-Tetrachloroethane	50.00	52.0	104	80 - 130
Tetrachloroethene	50.00	48.3	96.6	45 - 150
Toluene	50.00	49.4	98.8	75 - 120
1,2,3-Trichlorobenzene	50.00	39.3	78.5	55 - 140
1,2,4-Trichlorobenzene	50.00	40.5	81.0	65 - 135
1,1,2-Trichloroethane	50.00	49.9	99.7	75 - 125
1,1,1-Trichloroethane	50.00	50.2	100	65 - 130
Trichloroethene	50.00	55.5	111	70 - 125
Trichlorofluoromethane	50.00	55.3	111	60 - 145
1,2,3-Trichloropropane	50.00	48.9	97.8	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E12926	Laboratory ID:	1E12926-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	52.1	104	75 - 130
1,2,4-Trimethylbenzene	50.00	51.4	103	75 - 130
Vinyl chloride	50.00	48.4	96.9	50 - 145
m,p-Xylene	100.0	104	104	75 - 130
o-Xylene	50.00	48.8	97.6	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E13302	Laboratory ID:	1E13302-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	125	125	40 - 140
Benzene	50.00	52.6	105	80 - 120
Bromobenzene	50.00	47.0	94.0	75 - 125
Bromochloromethane	50.00	54.0	108	65 - 130
Bromodichloromethane	50.00	57.5	115	75 - 120
Bromoform	50.00	47.5	95.0	70 - 130
Bromomethane	50.00	46.9	93.7	30 - 145
n-Butylbenzene	50.00	51.8	104	70 - 135
2-Butanone	100.0	92.4	92.4	30 - 150
sec-Butylbenzene	50.00	53.1	106	70 - 125
tert-Butylbenzene	50.00	54.0	108	70 - 130
Carbon disulfide	50.00	55.1	110	35 - 160
Carbon tetrachloride	50.00	54.1	108	65 - 140
Chlorobenzene	50.00	52.7	105	80 - 120
Chloroethane	**50.00**	**77.1**	**154**	**60 - 135**
Chloroform	50.00	54.3	109	65 - 135
Chloromethane	50.00	51.9	104	40 - 125
2-Chlorotoluene	50.00	52.0	104	75 - 125
4-Chlorotoluene	50.00	57.5	115	75 - 130
Dibromochloromethane	50.00	54.4	109	60 - 135
1,2-Dibromo-3-chloropropane	50.00	44.4	88.9	50 - 130
1,2-Dibromoethane (EDB)	50.00	55.1	110	80 - 120
Dibromomethane	50.00	53.1	106	75 - 125
1,2-Dichlorobenzene	50.00	49.6	99.1	70 - 120
1,3-Dichlorobenzene	50.00	52.4	105	75 - 125
1,4-Dichlorobenzene	50.00	50.3	101	75 - 125
Dichlorodifluoromethane	50.00	55.9	112	30 - 155
1,1-Dichloroethane	50.00	57.7	115	70 - 135
1,2-Dichloroethane	50.00	58.5	117	70 - 130
1,1-Dichloroethene	50.00	55.4	111	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E13302	Laboratory ID:	1E13302-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	53.4	107	70 - 125
trans-1,2-Dichloroethene	50.00	55.2	110	60 - 140
1,2-Dichloropropane	50.00	57.2	114	75 - 125
1,3-Dichloropropane	50.00	54.7	109	75 - 125
2,2-Dichloropropane	50.00	55.8	112	70 - 135
1,1-Dichloropropene	50.00	55.8	112	75 - 130
cis-1,3-Dichloropropene	50.00	54.7	109	70 - 130
trans-1,3-Dichloropropene	50.00	61.5	123	55 - 140
Ethylbenzene	50.00	55.2	110	75 - 125
Hexachlorobutadiene	50.00	49.4	98.8	50 - 140
2-Hexanone	**100.0**	**145**	**145**	**55 - 130**
Isopropylbenzene	50.00	55.0	110	75 - 125
p-Isopropyltoluene	50.00	55.6	111	75 - 130
Methylene chloride	50.00	52.7	105	55 - 140
Naphthalene	50.00	40.2	80.3	55 - 140
4-Methyl-2-pentanone	100.0	135	135	60 - 135
Methyl t-Butyl Ether	50.00	50.7	101	65 - 125
n-Propylbenzene	50.00	53.6	107	70 - 130
Styrene	50.00	55.9	112	65 - 135
1,1,2,2-Tetrachloroethane	50.00	47.4	94.8	65 - 130
1,1,1,2-Tetrachloroethane	50.00	51.7	103	80 - 130
Tetrachloroethene	50.00	48.7	97.3	45 - 150
Toluene	50.00	54.8	110	75 - 120
1,2,3-Trichlorobenzene	50.00	39.5	79.1	55 - 140
1,2,4-Trichlorobenzene	50.00	39.6	79.2	65 - 135
1,1,2-Trichloroethane	50.00	52.1	104	75 - 125
1,1,1-Trichloroethane	50.00	55.4	111	65 - 130
Trichloroethene	50.00	54.9	110	70 - 125
Trichlorofluoromethane	50.00	60.4	121	60 - 145
1,2,3-Trichloropropane	50.00	53.4	107	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E13302	Laboratory ID:	1E13302-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	54.6	109	75 - 130
1,2,4-Trimethylbenzene	50.00	50.4	101	75 - 130
Vinyl chloride	50.00	50.4	101	50 - 145
m,p-Xylene	100.0	109	109	75 - 130
o-Xylene	50.00	53.2	106	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E16009	Laboratory ID:	1E16009-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	90.7	90.7	40 - 140
Benzene	50.00	56.3	113	80 - 120
Bromobenzene	50.00	49.8	99.7	75 - 125
Bromochloromethane	50.00	56.3	113	65 - 130
Bromodichloromethane	**50.00**	**66.4**	**133**	**75 - 120**
Bromoform	50.00	45.9	91.7	70 - 130
Bromomethane	50.00	53.4	107	30 - 145
n-Butylbenzene	50.00	54.3	109	70 - 135
2-Butanone	100.0	91.4	91.4	30 - 150
sec-Butylbenzene	50.00	57.1	114	70 - 125
tert-Butylbenzene	50.00	56.7	113	70 - 130
Carbon disulfide	50.00	56.3	113	35 - 160
Carbon tetrachloride	50.00	61.9	124	65 - 140
Chlorobenzene	50.00	51.8	104	80 - 120
Chloroethane	**50.00**	**81.9**	**164**	**60 - 135**
Chloroform	50.00	62.5	125	65 - 135
Chloromethane	50.00	61.4	123	40 - 125
2-Chlorotoluene	50.00	57.1	114	75 - 125
4-Chlorotoluene	50.00	63.0	126	75 - 130
Dibromochloromethane	50.00	52.6	105	60 - 135
1,2-Dibromo-3-chloropropane	50.00	47.9	95.8	50 - 130
1,2-Dibromoethane (EDB)	50.00	51.4	103	80 - 120
Dibromomethane	50.00	57.0	114	75 - 125
1,2-Dichlorobenzene	50.00	52.5	105	70 - 120
1,3-Dichlorobenzene	50.00	48.1	96.2	75 - 125
1,4-Dichlorobenzene	50.00	56.9	114	75 - 125
Dichlorodifluoromethane	50.00	63.2	126	30 - 155
1,1-Dichloroethane	50.00	63.6	127	70 - 135
1,2-Dichloroethane	**50.00**	**69.4**	**139**	**70 - 130**
1,1-Dichloroethene	50.00	57.6	115	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E16009	Laboratory ID:	1E16009-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	56.4	113	60 - 140
1,2-Dichloropropane	50.00	60.1	120	75 - 125
1,3-Dichloropropane	50.00	51.6	103	75 - 125
2,2-Dichloropropane	50.00	41.8	83.6	70 - 135
1,1-Dichloropropene	50.00	59.3	119	75 - 130
cis-1,3-Dichloropropene	50.00	58.9	118	70 - 130
trans-1,3-Dichloropropene	50.00	57.4	115	55 - 140
Ethylbenzene	50.00	51.0	102	75 - 125
Hexachlorobutadiene	50.00	51.2	102	50 - 140
2-Hexanone	100.0	112	112	55 - 130
Isopropylbenzene	50.00	51.0	102	75 - 125
p-Isopropyltoluene	50.00	57.8	116	75 - 130
Methylene chloride	50.00	55.4	111	55 - 140
Naphthalene	50.00	43.1	86.2	55 - 140
4-Methyl-2-pentanone	100.0	102	102	60 - 135
Methyl t-Butyl Ether	50.00	59.3	119	65 - 125
n-Propylbenzene	50.00	61.8	124	70 - 130
Styrene	50.00	53.8	108	65 - 135
1,1,2,2-Tetrachloroethane	50.00	50.9	102	65 - 130
1,1,1,2-Tetrachloroethane	50.00	51.4	103	80 - 130
Tetrachloroethene	50.00	42.6	85.3	45 - 150
Toluene	50.00	50.7	101	75 - 120
1,2,3-Trichlorobenzene	50.00	41.4	82.7	55 - 140
1,2,4-Trichlorobenzene	50.00	41.5	83.0	65 - 135
1,1,2-Trichloroethane	50.00	46.5	93.0	75 - 125
1,1,1-Trichloroethane	50.00	60.4	121	65 - 130
Trichloroethene	50.00	61.3	123	70 - 125
Trichlorofluoromethane	50.00	65.0	130	60 - 145
1,2,3-Trichloropropane	50.00	53.5	107	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E16009	Laboratory ID:	1E16009-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	56.5	113	75 - 130
1,2,4-Trimethylbenzene	50.00	57.2	114	75 - 130
Vinyl chloride	50.00	53.0	106	50 - 145
m,p-Xylene	100.0	106	106	75 - 130
o-Xylene	50.00	52.1	104	80 - 120

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	97.2	97.2	6.96	30	40 - 140
Benzene	50.00	58.6	117	3.83	30	80 - 120
Bromobenzene	50.00	52.7	105	5.55	30	75 - 125
Bromochloromethane	50.00	55.5	111	1.40	30	65 - 130
Bromodichloromethane	**50.00**	**70.5**	**141 ***	**6.04**	**30**	**75 - 120**
Bromoform	50.00	45.1	90.2	1.68	30	70 - 130
Bromomethane	50.00	55.1	110	3.07	30	30 - 145
n-Butylbenzene	50.00	58.4	117	7.15	30	70 - 135
2-Butanone	100.0	94.9	94.9	3.74	30	30 - 150
sec-Butylbenzene	50.00	61.4	123	7.28	30	70 - 125
tert-Butylbenzene	50.00	61.4	123	8.10	30	70 - 130
Carbon disulfide	50.00	58.6	117	3.97	30	35 - 160
Carbon tetrachloride	50.00	66.0	132	6.44	30	65 - 140
Chlorobenzene	50.00	50.8	102	1.98	30	80 - 120
Chloroethane	50.00	64.1	128	24.3	30	60 - 135
Chloroform	50.00	63.6	127	1.75	30	65 - 135
Chloromethane	**50.00**	**68.2**	**136 ***	**10.4**	**30**	**40 - 125**
2-Chlorotoluene	50.00	62.2	124	8.53	30	75 - 125
4-Chlorotoluene	50.00	63.2	126	0.323	30	75 - 130
Dibromochloromethane	50.00	52.8	106	0.435	30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	47.8	95.5	0.304	30	50 - 130
1,2-Dibromoethane (EDB)	50.00	49.7	99.3	3.36	30	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E16009	Laboratory ID:	1E16009-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	61.2	122	7.15	30	75 - 125
1,2-Dichlorobenzene	50.00	53.5	107	1.92	30	70 - 120
1,3-Dichlorobenzene	50.00	62.0	124	25.2	30	75 - 125
1,4-Dichlorobenzene	50.00	47.7	95.4	17.5	30	75 - 125
Dichlorodifluoromethane	50.00	68.8	138	8.37	30	30 - 155
1,1-Dichloroethane	50.00	64.9	130	2.08	30	70 - 135
1,2-Dichloroethane	**50.00**	**74.6**	**149 ***	**7.16**	**30**	**70 - 130**
1,1-Dichloroethene	50.00	57.7	115	0.0521	30	70 - 130
cis-1,2-Dichloroethene	50.00	56.4	113	5.26	30	70 - 125
trans-1,2-Dichloroethene	50.00	57.1	114	1.16	30	60 - 140
1,2-Dichloropropane	**50.00**	**64.9**	**130 ***	**7.67**	**30**	**75 - 125**
1,3-Dichloropropane	50.00	55.4	111	7.03	30	75 - 125
2,2-Dichloropropane	50.00	59.6	119	35.1 *	30	70 - 135
1,1-Dichloropropene	50.00	60.3	121	1.55	30	75 - 130
cis-1,3-Dichloropropene	50.00	61.9	124	5.06	30	70 - 130
trans-1,3-Dichloropropene	50.00	59.7	119	3.98	30	55 - 140
Ethylbenzene	50.00	53.1	106	4.12	30	75 - 125
Hexachlorobutadiene	50.00	48.1	96.1	6.31	30	50 - 140
2-Hexanone	100.0	128	128	13.5	30	55 - 130
Isopropylbenzene	50.00	55.4	111	8.34	30	75 - 125
p-Isopropyltoluene	50.00	60.7	121	5.01	30	75 - 130
Methylene chloride	50.00	56.2	112	1.41	30	55 - 140
Naphthalene	50.00	45.5	91.0	5.37	30	55 - 140
4-Methyl-2-pentanone	100.0	105	105	2.86	30	60 - 135
Methyl t-Butyl Ether	50.00	59.1	118	0.370	30	65 - 125
n-Propylbenzene	50.00	65.1	130	5.28	30	70 - 130
Styrene	50.00	53.3	107	1.05	30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	49.9	99.9	1.93	30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	52.2	104	1.61	30	80 - 130
Tetrachloroethene	50.00	43.3	86.5	1.44	30	45 - 150

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E16009	Laboratory ID:	1E16009-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	51.0	102	0.612	30	75 - 120
1,2,3-Trichlorobenzene	50.00	41.3	82.5	0.252	30	55 - 140
1,2,4-Trichlorobenzene	50.00	42.9	85.9	3.32	30	65 - 135
1,1,2-Trichloroethane	50.00	49.7	99.4	6.73	30	75 - 125
1,1,1-Trichloroethane	50.00	63.2	126	4.60	30	65 - 130
Trichloroethene	**50.00**	**63.0**	**126 ***	**2.63**	**30**	**70 - 125**
Trichlorofluoromethane	50.00	68.7	137	5.54	30	60 - 145
1,2,3-Trichloropropane	50.00	53.3	107	0.400	30	75 - 125
1,3,5-Trimethylbenzene	50.00	62.3	125	9.76	30	75 - 130
1,2,4-Trimethylbenzene	50.00	60.3	121	5.31	30	75 - 130
Vinyl chloride	50.00	60.6	121	13.3	30	50 - 145
m,p-Xylene	100.0	108	108	1.87	30	75 - 130
o-Xylene	50.00	51.0	102	1.97	30	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E17012	Laboratory ID:	1E17012-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	88.9	88.9	40 - 140
Benzene	50.00	52.0	104	80 - 120
Bromobenzene	50.00	48.4	96.9	75 - 125
Bromochloromethane	50.00	50.3	101	65 - 130
Bromodichloromethane	50.00	49.4	98.9	75 - 120
Bromoform	50.00	44.8	89.5	70 - 130
Bromomethane	50.00	46.9	93.8	30 - 145
n-Butylbenzene	50.00	49.0	98.1	70 - 135
2-Butanone	100.0	105	105	30 - 150
sec-Butylbenzene	50.00	49.8	99.5	70 - 125
tert-Butylbenzene	50.00	48.7	97.4	70 - 130
Carbon disulfide	50.00	52.4	105	35 - 160
Carbon tetrachloride	50.00	47.3	94.5	65 - 140
Chlorobenzene	50.00	48.1	96.3	80 - 120
Chloroethane	50.00	45.3	90.7	60 - 135
Chloroform	50.00	48.4	96.7	65 - 135
Chloromethane	50.00	53.3	107	40 - 125
2-Chlorotoluene	50.00	49.6	99.3	75 - 125
4-Chlorotoluene	50.00	50.1	100	75 - 130
Dibromochloromethane	50.00	47.5	94.9	60 - 135
1,2-Dibromo-3-chloropropane	50.00	48.4	96.8	50 - 130
1,2-Dibromoethane (EDB)	50.00	47.2	94.4	80 - 120
Dibromomethane	50.00	51.5	103	75 - 125
1,2-Dichlorobenzene	50.00	49.8	99.7	70 - 120
1,3-Dichlorobenzene	50.00	46.5	92.9	75 - 125
1,4-Dichlorobenzene	50.00	45.6	91.1	75 - 125
Dichlorodifluoromethane	50.00	50.6	101	30 - 155
1,1-Dichloroethane	50.00	51.4	103	70 - 135
1,2-Dichloroethane	50.00	49.0	98.0	70 - 130
1,1-Dichloroethene	50.00	52.9	106	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E17012	Laboratory ID:	1E17012-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	49.5	98.9	70 - 125
trans-1,2-Dichloroethene	50.00	49.9	99.7	60 - 140
1,2-Dichloropropane	50.00	50.3	101	75 - 125
1,3-Dichloropropane	50.00	46.0	92.0	75 - 125
2,2-Dichloropropane	50.00	48.0	95.9	70 - 135
1,1-Dichloropropene	50.00	49.4	98.8	75 - 130
cis-1,3-Dichloropropene	50.00	47.1	94.2	70 - 130
trans-1,3-Dichloropropene	50.00	51.2	102	55 - 140
Ethylbenzene	50.00	48.5	97.0	75 - 125
Hexachlorobutadiene	50.00	44.6	89.2	50 - 140
2-Hexanone	100.0	83.1	83.1	55 - 130
Isopropylbenzene	50.00	50.7	101	75 - 125
p-Isopropyltoluene	50.00	50.1	100	75 - 130
Methylene chloride	50.00	49.4	98.7	55 - 140
Naphthalene	50.00	43.6	87.2	55 - 140
4-Methyl-2-pentanone	100.0	93.0	93.0	60 - 135
Methyl t-Butyl Ether	50.00	52.0	104	65 - 125
n-Propylbenzene	50.00	50.5	101	70 - 130
Styrene	50.00	48.2	96.3	65 - 135
1,1,2,2-Tetrachloroethane	50.00	49.2	98.5	65 - 130
1,1,1,2-Tetrachloroethane	50.00	45.8	91.6	80 - 130
Tetrachloroethene	50.00	47.8	95.6	45 - 150
Toluene	50.00	47.4	94.8	75 - 120
1,2,3-Trichlorobenzene	50.00	43.0	85.9	55 - 140
1,2,4-Trichlorobenzene	50.00	44.0	87.9	65 - 135
1,1,2-Trichloroethane	50.00	45.0	90.1	75 - 125
1,1,1-Trichloroethane	50.00	46.5	92.9	65 - 130
Trichloroethene	50.00	50.1	100	70 - 125
Trichlorofluoromethane	50.00	50.2	100	60 - 145
1,2,3-Trichloropropane	50.00	41.8	83.6	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E17012	Laboratory ID:	1E17012-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	49.9	99.8	75 - 130
1,2,4-Trimethylbenzene	50.00	48.8	97.6	75 - 130
Vinyl chloride	50.00	35.6	71.2	50 - 145
m,p-Xylene	100.0	95.7	95.7	75 - 130
o-Xylene	50.00	46.4	92.7	80 - 120

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	110	110	21.4	30	40 - 140
Benzene	50.00	53.4	107	2.75	30	80 - 120
Bromobenzene	50.00	49.6	99.2	2.34	30	75 - 125
Bromochloromethane	50.00	47.5	95.0	5.65	30	65 - 130
Bromodichloromethane	50.00	47.4	94.9	4.15	30	75 - 120
Bromoform	50.00	43.7	87.5	2.32	30	70 - 130
Bromomethane	50.00	48.6	97.2	3.62	30	30 - 145
n-Butylbenzene	50.00	48.1	96.2	1.97	30	70 - 135
2-Butanone	100.0	103	103	2.10	30	30 - 150
sec-Butylbenzene	50.00	46.7	93.3	6.42	30	70 - 125
tert-Butylbenzene	50.00	48.6	97.2	0.165	30	70 - 130
Carbon disulfide	50.00	52.0	104	0.751	30	35 - 160
Carbon tetrachloride	50.00	41.0	82.0	14.2	30	65 - 140
Chlorobenzene	50.00	50.8	102	5.47	30	80 - 120
Chloroethane	50.00	47.1	94.1	3.74	30	60 - 135
Chloroform	50.00	46.5	93.1	3.80	30	65 - 135
Chloromethane	50.00	56.3	113	5.45	30	40 - 125
2-Chlorotoluene	50.00	48.3	96.7	2.66	30	75 - 125
4-Chlorotoluene	50.00	49.7	99.3	0.849	30	75 - 130
Dibromochloromethane	50.00	47.3	94.5	0.418	30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	48.7	97.4	0.668	30	50 - 130
1,2-Dibromoethane (EDB)	50.00	50.0	100	5.76	30	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E17012	Laboratory ID:	1E17012-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	51.6	103	0.259	30	75 - 125
1,2-Dichlorobenzene	50.00	50.7	101	1.70	30	70 - 120
1,3-Dichlorobenzene	50.00	46.1	92.2	0.776	30	75 - 125
1,4-Dichlorobenzene	50.00	45.0	90.0	1.27	30	75 - 125
Dichlorodifluoromethane	50.00	44.4	88.9	12.9	30	30 - 155
1,1-Dichloroethane	50.00	52.6	105	2.34	30	70 - 135
1,2-Dichloroethane	50.00	46.5	92.9	5.29	30	70 - 130
1,1-Dichloroethene	50.00	49.3	98.6	7.04	30	70 - 130
cis-1,2-Dichloroethene	50.00	50.0	100	1.06	30	70 - 125
trans-1,2-Dichloroethene	50.00	48.2	96.5	3.32	30	60 - 140
1,2-Dichloropropane	50.00	52.1	104	3.35	30	75 - 125
1,3-Dichloropropane	50.00	50.9	102	10.1	30	75 - 125
2,2-Dichloropropane	50.00	36.2	72.4	28.0	30	70 - 135
1,1-Dichloropropene	50.00	46.7	93.4	5.60	30	75 - 130
cis-1,3-Dichloropropene	50.00	45.4	90.9	3.61	30	70 - 130
trans-1,3-Dichloropropene	50.00	50.8	102	0.753	30	55 - 140
Ethylbenzene	50.00	50.7	101	4.36	30	75 - 125
Hexachlorobutadiene	50.00	40.5	81.0	9.67	30	50 - 140
2-Hexanone	100.0	93.0	93.0	11.3	30	55 - 130
Isopropylbenzene	50.00	51.6	103	1.69	30	75 - 125
p-Isopropyltoluene	50.00	48.3	96.6	3.59	30	75 - 130
Methylene chloride	50.00	51.5	103	4.25	30	55 - 140
Naphthalene	50.00	41.8	83.6	4.24	30	55 - 140
4-Methyl-2-pentanone	100.0	98.3	98.3	5.56	30	60 - 135
Methyl t-Butyl Ether	50.00	49.3	98.5	5.39	30	65 - 125
n-Propylbenzene	50.00	50.1	100	0.853	30	70 - 130
Styrene	50.00	49.7	99.5	3.24	30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	52.6	105	6.67	30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	48.2	96.3	4.99	30	80 - 130
Tetrachloroethene	50.00	49.5	99.0	3.47	30	45 - 150

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E17012	Laboratory ID:	1E17012-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	49.4	98.9	4.21	30	75 - 120
1,2,3-Trichlorobenzene	50.00	41.1	82.2	4.46	30	55 - 140
1,2,4-Trichlorobenzene	50.00	43.3	86.5	1.59	30	65 - 135
1,1,2-Trichloroethane	50.00	48.6	97.2	7.63	30	75 - 125
1,1,1-Trichloroethane	50.00	41.0	81.9	12.6	30	65 - 130
Trichloroethene	50.00	48.8	97.5	2.62	30	70 - 125
Trichlorofluoromethane	50.00	44.9	89.7	11.2	30	60 - 145
1,2,3-Trichloropropane	50.00	46.4	92.8	10.4	30	75 - 125
1,3,5-Trimethylbenzene	50.00	48.6	97.2	2.62	30	75 - 130
1,2,4-Trimethylbenzene	50.00	49.6	99.2	1.71	30	75 - 130
Vinyl chloride	50.00	41.8	83.5	15.9	30	50 - 145
m,p-Xylene	100.0	96.6	96.6	0.943	30	75 - 130
o-Xylene	50.00	47.7	95.3	2.78	30	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E19004	Laboratory ID:	1E19004-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	107	107	40 - 140
Benzene	50.00	55.8	112	80 - 120
Bromobenzene	50.00	52.6	105	75 - 125
Bromochloromethane	50.00	50.6	101	65 - 130
Bromodichloromethane	50.00	48.4	96.9	75 - 120
Bromoform	50.00	47.3	94.5	70 - 130
Bromomethane	50.00	41.1	82.2	30 - 145
n-Butylbenzene	50.00	52.6	105	70 - 135
2-Butanone	100.0	105	105	30 - 150
sec-Butylbenzene	50.00	51.8	104	70 - 125
tert-Butylbenzene	50.00	53.4	107	70 - 130
Carbon disulfide	50.00	61.6	123	35 - 160
Carbon tetrachloride	50.00	46.4	92.9	65 - 140
Chlorobenzene	50.00	53.2	106	80 - 120
Chloroethane	50.00	51.9	104	60 - 135
Chloroform	50.00	48.4	96.9	65 - 135
Chloromethane	**50.00**	**63.8**	**128**	**40 - 125**
2-Chlorotoluene	50.00	51.5	103	75 - 125
4-Chlorotoluene	50.00	53.6	107	75 - 130
Dibromochloromethane	50.00	51.1	102	60 - 135
1,2-Dibromo-3-chloropropane	50.00	50.5	101	50 - 130
1,2-Dibromoethane (EDB)	50.00	50.9	102	80 - 120
Dibromomethane	50.00	51.5	103	75 - 125
1,2-Dichlorobenzene	50.00	51.4	103	70 - 120
1,3-Dichlorobenzene	50.00	49.4	98.7	75 - 125
1,4-Dichlorobenzene	50.00	47.5	95.0	75 - 125
Dichlorodifluoromethane	50.00	64.1	128	30 - 155
1,1-Dichloroethane	50.00	55.3	111	70 - 135
1,2-Dichloroethane	50.00	47.4	94.9	70 - 130
1,1-Dichloroethene	50.00	52.5	105	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E19004	Laboratory ID:	1E19004-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	51.7	103	70 - 125
trans-1,2-Dichloroethene	50.00	52.5	105	60 - 140
1,2-Dichloropropane	50.00	54.4	109	75 - 125
1,3-Dichloropropane	50.00	50.7	101	75 - 125
2,2-Dichloropropane	50.00	46.6	93.3	70 - 135
1,1-Dichloropropene	50.00	52.4	105	75 - 130
cis-1,3-Dichloropropene	50.00	50.0	99.9	70 - 130
trans-1,3-Dichloropropene	50.00	55.8	112	55 - 140
Ethylbenzene	50.00	53.8	108	75 - 125
Hexachlorobutadiene	50.00	48.7	97.5	50 - 140
2-Hexanone	100.0	98.6	98.6	55 - 130
Isopropylbenzene	50.00	56.0	112	75 - 125
p-Isopropyltoluene	50.00	53.9	108	75 - 130
Methylene chloride	50.00	55.1	110	55 - 140
Naphthalene	50.00	53.1	106	55 - 140
4-Methyl-2-pentanone	100.0	100	100	60 - 135
Methyl t-Butyl Ether	50.00	51.4	103	65 - 125
n-Propylbenzene	50.00	53.3	107	70 - 130
Styrene	50.00	53.3	107	65 - 135
1,1,2,2-Tetrachloroethane	50.00	54.5	109	65 - 130
1,1,1,2-Tetrachloroethane	50.00	50.7	101	80 - 130
Tetrachloroethene	50.00	53.3	107	45 - 150
Toluene	50.00	52.7	105	75 - 120
1,2,3-Trichlorobenzene	50.00	50.9	102	55 - 140
1,2,4-Trichlorobenzene	50.00	47.7	95.5	65 - 135
1,1,2-Trichloroethane	50.00	50.5	101	75 - 125
1,1,1-Trichloroethane	50.00	45.7	91.3	65 - 130
Trichloroethene	50.00	51.3	103	70 - 125
Trichlorofluoromethane	50.00	53.4	107	60 - 145
1,2,3-Trichloropropane	50.00	46.7	93.4	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E19004	Laboratory ID:	1E19004-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	51.3	103	75 - 130
1,2,4-Trimethylbenzene	50.00	52.9	106	75 - 130
Vinyl chloride	50.00	46.9	93.8	50 - 145
m,p-Xylene	100.0	103	103	75 - 130
o-Xylene	50.00	49.5	99.0	80 - 120

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	103	103	3.46	30	40 - 140
Benzene	50.00	53.8	108	3.72	30	80 - 120
Bromobenzene	50.00	52.4	105	0.398	30	75 - 125
Bromochloromethane	50.00	50.7	101	0.112	30	65 - 130
Bromodichloromethane	50.00	49.0	98.0	1.15	30	75 - 120
Bromoform	50.00	47.7	95.5	1.03	30	70 - 130
Bromomethane	50.00	39.0	78.0	5.30	30	30 - 145
n-Butylbenzene	50.00	49.5	98.9	6.06	30	70 - 135
2-Butanone	100.0	112	112	6.47	30	30 - 150
sec-Butylbenzene	50.00	50.3	101	2.98	30	70 - 125
tert-Butylbenzene	50.00	51.4	103	3.81	30	70 - 130
Carbon disulfide	50.00	58.0	116	5.90	30	35 - 160
Carbon tetrachloride	50.00	43.6	87.2	6.31	30	65 - 140
Chlorobenzene	50.00	53.3	107	0.131	30	80 - 120
Chloroethane	50.00	47.8	95.7	8.16	30	60 - 135
Chloroform	50.00	48.0	96.0	0.915	30	65 - 135
Chloromethane	50.00	58.5	117	8.73	30	40 - 125
2-Chlorotoluene	50.00	52.1	104	1.18	30	75 - 125
4-Chlorotoluene	50.00	52.1	104	2.84	30	75 - 130
Dibromochloromethane	50.00	50.1	100	1.95	30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	54.4	109	7.49	30	50 - 130
1,2-Dibromoethane (EDB)	50.00	54.8	110	7.25	30	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E19004	Laboratory ID:	1E19004-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	53.9	108	4.65	30	75 - 125
1,2-Dichlorobenzene	50.00	53.9	108	4.77	30	70 - 120
1,3-Dichlorobenzene	50.00	49.2	98.4	0.304	30	75 - 125
1,4-Dichlorobenzene	50.00	46.7	93.3	1.75	30	75 - 125
Dichlorodifluoromethane	50.00	60.9	122	5.17	30	30 - 155
1,1-Dichloroethane	50.00	53.5	107	3.37	30	70 - 135
1,2-Dichloroethane	50.00	48.8	97.6	2.78	30	70 - 130
1,1-Dichloroethene	50.00	53.9	108	2.65	30	70 - 130
cis-1,2-Dichloroethene	50.00	50.7	101	1.87	30	70 - 125
trans-1,2-Dichloroethene	50.00	51.1	102	2.67	30	60 - 140
1,2-Dichloropropane	50.00	52.7	105	3.21	30	75 - 125
1,3-Dichloropropane	50.00	53.4	107	5.15	30	75 - 125
2,2-Dichloropropane	50.00	39.0	78.0	17.8	30	70 - 135
1,1-Dichloropropene	50.00	48.7	97.3	7.33	30	75 - 130
cis-1,3-Dichloropropene	50.00	47.9	95.8	4.19	30	70 - 130
trans-1,3-Dichloropropene	50.00	56.5	113	1.17	30	55 - 140
Ethylbenzene	50.00	52.6	105	2.33	30	75 - 125
Hexachlorobutadiene	50.00	42.7	85.4	13.3	30	50 - 140
2-Hexanone	100.0	96.0	96.0	2.65	30	55 - 130
Isopropylbenzene	50.00	55.0	110	1.84	30	75 - 125
p-Isopropyltoluene	50.00	50.6	101	6.26	30	75 - 130
Methylene chloride	50.00	53.8	108	2.53	30	55 - 140
Naphthalene	50.00	52.4	105	1.38	30	55 - 140
4-Methyl-2-pentanone	100.0	102	102	1.88	30	60 - 135
Methyl t-Butyl Ether	50.00	54.0	108	5.01	30	65 - 125
n-Propylbenzene	50.00	52.6	105	1.30	30	70 - 130
Styrene	50.00	54.4	109	2.04	30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	57.5	115	5.36	30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	49.9	99.8	1.68	30	80 - 130
Tetrachloroethene	50.00	50.9	102	4.78	30	45 - 150

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E19004	Laboratory ID:	1E19004-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	52.4	105	0.588	30	75 - 120
1,2,3-Trichlorobenzene	50.00	47.4	94.8	7.10	30	55 - 140
1,2,4-Trichlorobenzene	50.00	47.3	94.6	0.973	30	65 - 135
1,1,2-Trichloroethane	50.00	53.3	107	5.50	30	75 - 125
1,1,1-Trichloroethane	50.00	43.5	87.0	4.83	30	65 - 130
Trichloroethene	50.00	49.6	99.2	3.42	30	70 - 125
Trichlorofluoromethane	50.00	50.9	102	4.86	30	60 - 145
1,2,3-Trichloropropane	50.00	51.4	103	9.51	30	75 - 125
1,3,5-Trimethylbenzene	50.00	51.0	102	0.699	30	75 - 130
1,2,4-Trimethylbenzene	50.00	51.0	102	3.54	30	75 - 130
Vinyl chloride	50.00	41.7	83.4	11.7	30	50 - 145
m,p-Xylene	100.0	103	103	0.202	30	75 - 130
o-Xylene	50.00	50.2	100	1.48	30	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E20016	Laboratory ID:	1E20016-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	111	111	40 - 140
Benzene	50.00	52.9	106	80 - 120
Bromobenzene	50.00	49.0	98.1	75 - 125
Bromochloromethane	50.00	49.6	99.1	65 - 130
Bromodichloromethane	50.00	47.8	95.6	75 - 120
Bromoform	50.00	44.4	88.8	70 - 130
Bromomethane	50.00	44.3	88.7	30 - 145
n-Butylbenzene	50.00	51.1	102	70 - 135
2-Butanone	100.0	108	108	30 - 150
sec-Butylbenzene	50.00	49.9	99.8	70 - 125
tert-Butylbenzene	50.00	50.8	102	70 - 130
Carbon disulfide	50.00	59.8	120	35 - 160
Carbon tetrachloride	50.00	45.1	90.1	65 - 140
Chlorobenzene	50.00	51.9	104	80 - 120
Chloroethane	50.00	48.5	96.9	60 - 135
Chloroform	50.00	47.0	94.0	65 - 135
Chloromethane	50.00	57.8	116	40 - 125
2-Chlorotoluene	50.00	49.7	99.4	75 - 125
4-Chlorotoluene	50.00	50.4	101	75 - 130
Dibromochloromethane	50.00	48.9	97.8	60 - 135
1,2-Dibromo-3-chloropropane	50.00	47.8	95.6	50 - 130
1,2-Dibromoethane (EDB)	50.00	49.7	99.5	80 - 120
Dibromomethane	50.00	49.4	98.9	75 - 125
1,2-Dichlorobenzene	50.00	49.0	98.0	70 - 120
1,3-Dichlorobenzene	50.00	46.8	93.7	75 - 125
1,4-Dichlorobenzene	50.00	45.2	90.4	75 - 125
Dichlorodifluoromethane	50.00	58.9	118	30 - 155
1,1-Dichloroethane	50.00	52.3	105	70 - 135
1,2-Dichloroethane	50.00	47.0	94.1	70 - 130
1,1-Dichloroethene	50.00	52.9	106	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E20016	Laboratory ID:	1E20016-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	50.3	101	70 - 125
trans-1,2-Dichloroethene	50.00	51.5	103	60 - 140
1,2-Dichloropropane	50.00	51.3	103	75 - 125
1,3-Dichloropropane	50.00	49.5	99.0	75 - 125
2,2-Dichloropropane	50.00	46.6	93.1	70 - 135
1,1-Dichloropropene	50.00	50.3	101	75 - 130
cis-1,3-Dichloropropene	50.00	46.9	93.9	70 - 130
trans-1,3-Dichloropropene	50.00	53.8	108	55 - 140
Ethylbenzene	50.00	52.5	105	75 - 125
Hexachlorobutadiene	50.00	47.9	95.9	50 - 140
2-Hexanone	100.0	101	101	55 - 130
Isopropylbenzene	50.00	54.4	109	75 - 125
p-Isopropyltoluene	50.00	51.2	102	75 - 130
Methylene chloride	50.00	50.5	101	55 - 140
Naphthalene	50.00	51.4	103	55 - 140
4-Methyl-2-pentanone	100.0	103	103	60 - 135
Methyl t-Butyl Ether	50.00	51.7	103	65 - 125
n-Propylbenzene	50.00	51.1	102	70 - 130
Styrene	50.00	52.9	106	65 - 135
1,1,2,2-Tetrachloroethane	50.00	51.3	103	65 - 130
1,1,1,2-Tetrachloroethane	50.00	48.8	97.7	80 - 130
Tetrachloroethene	50.00	51.5	103	45 - 150
Toluene	50.00	51.6	103	75 - 120
1,2,3-Trichlorobenzene	50.00	48.7	97.4	55 - 140
1,2,4-Trichlorobenzene	50.00	44.8	89.7	65 - 135
1,1,2-Trichloroethane	50.00	50.0	99.9	75 - 125
1,1,1-Trichloroethane	50.00	44.6	89.2	65 - 130
Trichloroethene	50.00	50.9	102	70 - 125
Trichlorofluoromethane	50.00	49.8	99.5	60 - 145
1,2,3-Trichloropropane	50.00	43.9	87.8	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E20016	Laboratory ID:	1E20016-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	50.0	100	75 - 130
1,2,4-Trimethylbenzene	50.00	50.4	101	75 - 130
Vinyl chloride	50.00	46.6	93.2	50 - 145
m,p-Xylene	100.0	100	100	75 - 130
o-Xylene	50.00	48.6	97.2	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0060

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_012

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1E12926

% Solids:

Source Sample Name: **1105082-01**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Acetone	100.0	3.76	159	155	*	40 - 140
Benzene	50.00	ND	54.3	109		80 - 120
Bromobenzene	50.00	ND	47.8	95.7		75 - 125
Bromochloromethane	50.00	ND	49.9	99.8		65 - 130
Bromodichloromethane	50.00	ND	63.9	128	*	75 - 120
Bromoform	50.00	ND	46.6	93.1		70 - 130
Bromomethane	50.00	ND	48.6	97.2		30 - 145
n-Butylbenzene	50.00	ND	52.2	104		70 - 135
2-Butanone	100.0	ND	176	176	*	30 - 150
sec-Butylbenzene	50.00	0.275	53.8	107		70 - 125
tert-Butylbenzene	50.00	ND	51.5	103		70 - 130
Carbon disulfide	50.00	ND	56.6	113		35 - 160
Carbon tetrachloride	50.00	ND	61.4	123		65 - 140
Chlorobenzene	50.00	ND	49.6	99.2		80 - 120
Chloroethane	50.00	ND	52.3	105		60 - 135
Chloroform	50.00	ND	57.4	115		65 - 135
Chloromethane	50.00	ND	57.8	116		40 - 125
2-Chlorotoluene	50.00	ND	54.9	110		75 - 125
4-Chlorotoluene	50.00	ND	55.3	111		75 - 130
Dibromochloromethane	50.00	ND	53.8	108		60 - 135
1,2-Dibromo-3-chloropropane	50.00	ND	54.3	109		50 - 130
1,2-Dibromoethane (EDB)	50.00	0.291	51.0	101		80 - 120
Dibromomethane	50.00	ND	57.5	115		75 - 125
1,2-Dichlorobenzene	50.00	ND	50.4	101		70 - 120
1,3-Dichlorobenzene	50.00	ND	56.6	113		75 - 125
1,4-Dichlorobenzene	50.00	ND	49.3	98.6		75 - 125
Dichlorodifluoromethane	50.00	ND	64.7	129		30 - 155
1,1-Dichloroethane	50.00	ND	61.7	123		70 - 135
1,2-Dichloroethane	50.00	ND	66.6	133	*	70 - 130
1,1-Dichloroethene	50.00	ND	57.8	116		70 - 130
cis-1,2-Dichloroethene	50.00	ND	53.5	107		70 - 125
trans-1,2-Dichloroethene	50.00	ND	53.8	108		60 - 140

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0060

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_012

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1E12926

% Solids:

Source Sample Name: **1105082-01**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
1,2-Dichloropropane	50.00	ND	59.7	119		75 - 125
1,3-Dichloropropane	50.00	ND	51.0	102		75 - 125
2,2-Dichloropropane	50.00	ND	47.0	94.1		70 - 135
1,1-Dichloropropene	50.00	ND	60.5	121		75 - 130
cis-1,3-Dichloropropene	50.00	ND	56.3	113		70 - 130
trans-1,3-Dichloropropene	50.00	ND	56.1	112		55 - 140
Ethylbenzene	50.00	ND	51.1	102		75 - 125
Hexachlorobutadiene	50.00	ND	44.5	89.0		50 - 140
2-Hexanone	100.0	ND	165	165	*	55 - 130
Isopropylbenzene	50.00	1.34	52.6	103		75 - 125
p-Isopropyltoluene	50.00	ND	56.5	113		75 - 130
Methylene chloride	50.00	ND	52.9	106		55 - 140
Naphthalene	50.00	ND	48.7	97.5		55 - 140
4-Methyl-2-pentanone	100.0	ND	167	167	*	60 - 135
Methyl t-Butyl Ether	50.00	ND	56.1	112		65 - 125
n-Propylbenzene	50.00	ND	58.0	116		70 - 130
Styrene	50.00	ND	51.6	103		65 - 135
1,1,2,2-Tetrachloroethane	50.00	ND	57.0	114		65 - 130
1,1,1,2-Tetrachloroethane	50.00	ND	49.8	99.5		80 - 130
Tetrachloroethene	50.00	ND	40.6	81.1		45 - 150
Toluene	50.00	ND	48.4	96.7		75 - 120
1,2,3-Trichlorobenzene	50.00	ND	43.7	87.5		55 - 140
1,2,4-Trichlorobenzene	50.00	ND	43.1	86.3		65 - 135
1,1,2-Trichloroethane	50.00	ND	47.6	95.3		75 - 125
1,1,1-Trichloroethane	50.00	ND	61.0	122		65 - 130
Trichloroethene	50.00	ND	58.9	118		70 - 125
Trichlorofluoromethane	50.00	ND	65.1	130		60 - 145
1,2,3-Trichloropropane	50.00	ND	53.3	107		75 - 125
1,3,5-Trimethylbenzene	50.00	ND	56.0	112		75 - 130
1,2,4-Trimethylbenzene	50.00	ND	55.3	111		75 - 130
Vinyl chloride	50.00	ND	54.2	108		50 - 145
m,p-Xylene	100.0	ND	102	102		75 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0060

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_012

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1E12926

% Solids:

Source Sample Name: **1105082-01**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
o-Xylene	50.00	ND	50.4	101		80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0060

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_012

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1E12926

% Solids:

Source Sample Name: **1105082-01**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	152	149	4.02	*	30	40 - 140
Benzene	50.00	52.5	105	3.36		30	80 - 120
Bromobenzene	50.00	45.6	91.1	4.84		30	75 - 125
Bromochloromethane	50.00	50.6	101	1.33		30	65 - 130
Bromodichloromethane	50.00	60.9	122	4.77	*	30	75 - 120
Bromoform	50.00	47.2	94.4	1.39		30	70 - 130
Bromomethane	50.00	46.0	91.9	5.57		30	30 - 145
n-Butylbenzene	50.00	50.8	102	2.68		30	70 - 135
2-Butanone	100.0	170	170	3.46	*	30	30 - 150
sec-Butylbenzene	50.00	52.9	105	1.83		30	70 - 125
tert-Butylbenzene	50.00	51.6	103	0.154		30	70 - 130
Carbon disulfide	50.00	53.0	106	6.56		30	35 - 160
Carbon tetrachloride	50.00	57.8	116	6.06		30	65 - 140
Chlorobenzene	50.00	50.0	99.9	0.718		30	80 - 120
Chloroethane	50.00	51.5	103	1.48		30	60 - 135
Chloroform	50.00	56.3	113	2.00		30	65 - 135
Chloromethane	50.00	55.6	111	3.90		30	40 - 125
2-Chlorotoluene	50.00	56.0	112	1.93		30	75 - 125
4-Chlorotoluene	50.00	52.0	104	6.25		30	75 - 130
Dibromochloromethane	50.00	53.8	108	0.0829		30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	51.4	103	5.40		30	50 - 130
1,2-Dibromoethane (EDB)	50.00	52.3	104	2.60		30	80 - 120
Dibromomethane	50.00	54.5	109	5.36		30	75 - 125
1,2-Dichlorobenzene	50.00	48.7	97.5	3.42		30	70 - 120
1,3-Dichlorobenzene	50.00	47.4	94.8	17.7		30	75 - 125
1,4-Dichlorobenzene	50.00	46.7	93.4	5.43		30	75 - 125
Dichlorodifluoromethane	50.00	61.7	123	4.76		30	30 - 155
1,1-Dichloroethane	50.00	59.6	119	3.41		30	70 - 135
1,2-Dichloroethane	50.00	64.3	129	3.56		30	70 - 130
1,1-Dichloroethene	50.00	58.1	116	0.580		30	70 - 130
cis-1,2-Dichloroethene	50.00	52.6	105	1.56		30	70 - 125
trans-1,2-Dichloroethene	50.00	54.5	109	1.35		30	60 - 140
1,2-Dichloropropane	50.00	55.8	112	6.70		30	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0060

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_012

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1E12926

% Solids:

Source Sample Name: **1105082-01**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
1,3-Dichloropropane	50.00	49.1	98.2	3.78		30	75 - 125
2,2-Dichloropropane	50.00	45.3	90.7	3.67		30	70 - 135
1,1-Dichloropropene	50.00	57.3	115	5.33		30	75 - 130
cis-1,3-Dichloropropene	50.00	52.4	105	7.18		30	70 - 130
trans-1,3-Dichloropropene	50.00	57.4	115	2.16		30	55 - 140
Ethylbenzene	50.00	49.5	99.1	3.18		30	75 - 125
Hexachlorobutadiene	50.00	42.8	85.6	3.82		30	50 - 140
2-Hexanone	100.0	154	154	6.57	*	30	55 - 130
Isopropylbenzene	50.00	51.3	99.9	2.47		30	75 - 125
p-Isopropyltoluene	50.00	54.2	108	4.23		30	75 - 130
Methylene chloride	50.00	55.4	111	4.66		30	55 - 140
Naphthalene	50.00	43.2	86.5	12.0		30	55 - 140
4-Methyl-2-pentanone	100.0	153	153	8.83	*	30	60 - 135
Methyl t-Butyl Ether	50.00	56.7	113	1.09		30	65 - 125
n-Propylbenzene	50.00	52.3	105	10.5		30	70 - 130
Styrene	50.00	49.8	99.6	3.48		30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	54.5	109	4.42		30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	49.2	98.5	1.03		30	80 - 130
Tetrachloroethene	50.00	43.0	86.1	5.92		30	45 - 150
Toluene	50.00	47.0	93.9	2.97		30	75 - 120
1,2,3-Trichlorobenzene	50.00	39.4	78.8	10.4		30	55 - 140
1,2,4-Trichlorobenzene	50.00	39.7	79.4	8.25		30	65 - 135
1,1,2-Trichloroethane	50.00	50.0	100	4.90		30	75 - 125
1,1,1-Trichloroethane	50.00	56.8	114	7.10		30	65 - 130
Trichloroethene	50.00	57.2	114	3.07		30	70 - 125
Trichlorofluoromethane	50.00	62.3	125	4.37		30	60 - 145
1,2,3-Trichloropropane	50.00	54.7	109	2.61		30	75 - 125
1,3,5-Trimethylbenzene	50.00	51.7	103	8.03		30	75 - 130
1,2,4-Trimethylbenzene	50.00	51.0	102	8.16		30	75 - 130
Vinyl chloride	50.00	52.7	105	2.96		30	50 - 145
m,p-Xylene	100.0	98.9	98.9	2.90		30	75 - 130
o-Xylene	50.00	50.1	100	0.573		30	80 - 120

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Batch: 1E12926 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0060	1105082-01	05/12/11 00:00	5.00	5.00
Blank	1E12926-BLK1	05/12/11 00:00	5.00	5.00
LCS	1E12926-BS1	05/12/11 00:00	5.00	5.00
GW0060	1E12926-MS1	05/12/11 00:00	5.00	5.00
GW0060	1E12926-MSD1	05/12/11 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Batch: 1E13302 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0085	1105093-01	05/13/11 00:00	5.00	5.00
GW0086	1105093-03	05/13/11 00:00	5.00	5.00
GW8040-TB	1105093-05	05/13/11 00:00	5.00	5.00
Blank	1E13302-BLK1	05/13/11 00:00	5.00	5.00
LCS	1E13302-BS1	05/13/11 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Batch: 1E16009 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW8039-TB	1105082-03	05/17/11 00:00	5.00	5.00
Blank	1E16009-BLK1	05/17/11 00:00	5.00	5.00
LCS	1E16009-BS1	05/17/11 00:00	5.00	5.00
LCS Dup	1E16009-BSD1	05/17/11 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Batch: 1E17012 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0087	1105113-01	05/17/11 00:00	5.00	5.00
GW8041-TB	1105113-05	05/17/11 00:00	5.00	5.00
GW0099	1105122-01	05/17/11 00:00	5.00	5.00
GW8042-TB	1105122-03	05/17/11 00:00	5.00	5.00
Blank	1E17012-BLK1	05/17/11 00:00	5.00	5.00
LCS	1E17012-BS1	05/17/11 00:00	5.00	5.00
LCS Dup	1E17012-BSD1	05/17/11 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Batch: 1E19004 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0088	1105113-03RE1	05/19/11 00:00	5.00	5.00
GW0049	1105137-01	05/19/11 00:00	5.00	5.00
GW0055	1105137-03	05/19/11 00:00	5.00	5.00
GW8043-TB	1105137-05	05/19/11 00:00	5.00	5.00
Blank	1E19004-BLK1	05/19/11 00:00	5.00	5.00
LCS	1E19004-BS1	05/19/11 00:00	5.00	5.00
LCS Dup	1E19004-BSD1	05/19/11 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Batch: 1E20016 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0055	1105137-03RE1	05/20/11 00:00	5.00	5.00
Blank	1E20016-BLK1	05/20/11 00:00	5.00	5.00
LCS	1E20016-BS1	05/20/11 00:00	5.00	5.00

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
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_012
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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0415TU1.D	Injection Date:	04/15/11
Instrument ID:	MS-VOA5	Injection Time:	08:29
Sequence:	1D10810	Lab Sample ID:	1D10810-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	18.4	PASS
75	30 - 60% of 95	38.6	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.52	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	101	PASS
175	5 - 9% of 174	7.11	PASS
176	95 - 101% of 174	95.6	PASS
177	5 - 9% of 176	5.75	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0512TU1.D	Injection Date:	05/12/11
Instrument ID:	MS-VOA4	Injection Time:	07:30
Sequence:	1E13311	Lab Sample ID:	1E13311-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	20.3	PASS
75	30 - 60% of 95	42	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.67	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	64.2	PASS
175	5 - 9% of 174	8.06	PASS
176	95 - 101% of 174	97	PASS
177	5 - 9% of 176	6.71	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0513TU1.D	Injection Date:	05/13/11
Instrument ID:	MS-VOA4	Injection Time:	08:55
Sequence:	1E13402	Lab Sample ID:	1E13402-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	22.5	PASS
75	30 - 60% of 95	44.7	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	8.22	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	52.8	PASS
175	5 - 9% of 174	8.69	PASS
176	95 - 101% of 174	97.4	PASS
177	5 - 9% of 176	7.29	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
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:	1E13705	Lab Sample ID:	1E13705-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_012
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:	1E13705	Lab Sample ID:	1E13705-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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0514TU1E.D	Injection Date:	05/14/11
Instrument ID:	MS-VOA4	Injection Time:	22:18
Sequence:	1E13705	Lab Sample ID:	1E13705-TUN3

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	21	PASS
75	30 - 60% of 95	44	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.84	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	68.7	PASS
175	5 - 9% of 174	8.07	PASS
176	95 - 101% of 174	99.1	PASS
177	5 - 9% of 176	7.18	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0517TU1.D	Injection Date:	05/17/11
Instrument ID:	MS-VOA5	Injection Time:	09:20
Sequence:	1E13807	Lab Sample ID:	1E13807-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	27.1	PASS
75	30 - 60% of 95	45.2	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.61	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	67.3	PASS
175	5 - 9% of 174	7.89	PASS
176	95 - 101% of 174	97	PASS
177	5 - 9% of 176	6.79	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0517TU1.D	Injection Date:	05/17/11
Instrument ID:	MS-VOA4	Injection Time:	06:51
Sequence:	1E13808	Lab Sample ID:	1E13808-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	18.9	PASS
75	30 - 60% of 95	42.9	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.89	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	80.7	PASS
175	5 - 9% of 174	7.68	PASS
176	95 - 101% of 174	95.3	PASS
177	5 - 9% of 176	7.32	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0519TU1.D	Injection Date:	05/19/11
Instrument ID:	MS-VOA5	Injection Time:	06:08
Sequence:	1E14009	Lab Sample ID:	1E14009-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	23.2	PASS
75	30 - 60% of 95	41.9	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.5	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	69.8	PASS
175	5 - 9% of 174	7.4	PASS
176	95 - 101% of 174	99.1	PASS
177	5 - 9% of 176	5.91	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0520TU1.D	Injection Date:	05/20/11
Instrument ID:	MS-VOA5	Injection Time:	06:55
Sequence:	1E14101	Lab Sample ID:	1E14101-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	18.3	PASS
75	30 - 60% of 95	40	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	5	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	89.1	PASS
175	5 - 9% of 174	6.92	PASS
176	95 - 101% of 174	100	PASS
177	5 - 9% of 176	6.68	PASS

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D10810	Instrument:	MS-VOA5
Calibration:	1110001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1D10810-TUN1	0415TU1.D	04/15/11 08:29
Cal Standard	1D10810-CAL1	0415CAL1.D	04/15/11 09:53
Cal Standard	1D10810-CAL2	0415CAL2.D	04/15/11 10:18
Cal Standard	1D10810-CAL3	0415CAL3.D	04/15/11 10:43
Cal Standard	1D10810-CAL4	0415CAL4.D	04/15/11 11:07
Cal Standard	1D10810-CAL5	0415CAL5.D	04/15/11 11:32
Cal Standard	1D10810-CAL6	0415CAL6.D	04/15/11 11:57
Cal Standard	1D10810-CAL7	0415CAL7.D	04/15/11 12:22
Cal Standard	1D10810-CAL8	0415CAL8.D	04/15/11 12:47
Cal Standard	1D10810-CAL9	0415CAL9.D	04/15/11 13:12
Initial Cal Check	1D10810-ICV2	0415ICV2.D	04/15/11 14:01
Cal Standard	1D10810-CALA	0415CALA.D	04/15/11 14:26
Cal Standard	1D10810-CALB	0415CALB.D	04/15/11 14:51
Cal Standard	1D10810-CALC	0415CALC.D	04/15/11 15:16
Cal Standard	1D10810-CALD	0415CALD.D	04/15/11 15:41
Cal Standard	1D10810-CALE	0415CALE.D	04/15/11 16:05
Cal Standard	1D10810-CALF	0415CALF.D	04/15/11 16:30
Cal Standard	1D10810-CALG	0415CALG.D	04/15/11 16:55
Cal Standard	1D10810-CALH	0415CALH.D	04/15/11 17:20
Cal Standard	1D10810-CALI	0415CALI.D	04/15/11 17:45
Initial Cal Check	1D10810-ICV4	0415ICV4.D	04/15/11 18:35

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E13311	Instrument:	MS-VOA4
Calibration:	1084001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1E13311-TUN1	0512TU1.D	05/12/11 07:30
Calibration Check	1E13311-CCV1	0512CCV1.D	05/12/11 08:00
LCS	1E12926-BS1	0512LCS1.D	05/12/11 08:41
Blank	1E12926-BLK1	0512BL1.D	05/12/11 10:11
GW0060	1105082-01	0508201.D	05/12/11 13:42
GW0060	1E12926-MS1	0508201M.D	05/12/11 18:14
GW0060	1E12926-MSD1	0508201S.D	05/12/11 18:44

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E13402	Instrument:	MS-VOA4
Calibration:	1084001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1E13402-TUN1	0513TU1.D	05/13/11 08:55
Calibration Check	1E13402-CCV1	0513CCV1.D	05/13/11 09:25
LCS	1E13302-BS1	0513LCS1.D	05/13/11 10:05
Blank	1E13302-BLK1	0513BL1.D	05/13/11 11:35
GW8040-TB	1105093-05	0509305.D	05/13/11 13:04
GW0085	1105093-01	0509301.D	05/13/11 14:33
GW0086	1105093-03	0509303.D	05/13/11 15:03

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E13705	Instrument:	MS-VOA4
Calibration:	1138001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1E13705-TUN1	0322TU1.D	03/22/11 11:42
Cal Standard	1E13705-CAL1	0322CAL1.D	03/22/11 12:12
Cal Standard	1E13705-CAL2	0322CAL2.D	03/22/11 12:42
Cal Standard	1E13705-CAL3	0322CAL3.D	03/22/11 13:11
Cal Standard	1E13705-CAL4	0322CAL4.D	03/22/11 13:41
Cal Standard	1E13705-CAL5	0322CAL5.D	03/22/11 14:11
Cal Standard	1E13705-CAL6	0322CAL6.D	03/22/11 14:41
Cal Standard	1E13705-CAL7	0322CAL7.D	03/22/11 15:10
Cal Standard	1E13705-CAL8	0322CAL8.D	03/22/11 15:40
Cal Standard	1E13705-CAL9	0322CAL9.D	03/22/11 16:10
Initial Cal Check	1E13705-ICV2	0322ICV2.D	03/22/11 17:09
MS Tune	1E13705-TUN2	0324TU2.D	03/24/11 11:41
Cal Standard	1E13705-CALJ	0324CALJ.D	03/24/11 12:10
Cal Standard	1E13705-CALK	0324CALK.D	03/24/11 12:40
Cal Standard	1E13705-CALL	0324CALL.D	03/24/11 13:09
Cal Standard	1E13705-CALM	0324CALM.D	03/24/11 13:39
Cal Standard	1E13705-CALN	0324CALN.D	03/24/11 14:09
Cal Standard	1E13705-CALO	0324CALO.D	03/24/11 14:38
Cal Standard	1E13705-CALP	0324CALP.D	03/24/11 15:08
Cal Standard	1E13705-CALQ	0324CALQ.D	03/24/11 15:37
Cal Standard	1E13705-CALR	0324CALR.D	03/24/11 16:07
MS Tune	1E13705-TUN3	0514TU1E.D	05/14/11 22:18
Cal Standard	1E13705-CALA	SEQ-CALA.D	05/14/11 22:48
Cal Standard	1E13705-CALB	SEQ-CALB.D	05/14/11 23:17
Cal Standard	1E13705-CALC	SEQ-CALC.D	05/14/11 23:47
Cal Standard	1E13705-CALD	SEQ-CALD.D	05/15/11 00:16
Cal Standard	1E13705-CALE	SEQ-CALE.D	05/15/11 00:46
Cal Standard	1E13705-CALF	SEQ-CALF.D	05/15/11 01:16
Cal Standard	1E13705-CALG	SEQ-CALG.D	05/15/11 01:46
Cal Standard	1E13705-CALH	SEQ-CALH.D	05/15/11 02:15
Cal Standard	1E13705-CALI	SEQ-CALI.D	05/15/11 02:45
Initial Cal Check	1E13705-ICV4	SEQ-ICV4.D	05/15/11 03:44

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E13807	Instrument:	MS-VOA5
Calibration:	1110001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1E13807-TUN1	0517TU1.D	05/17/11 09:20
Calibration Check	1E13807-CCV1	0517CC1.D	05/17/11 09:45
LCS	1E17012-BS1	0517LS1.D	05/17/11 10:28
Blank	1E17012-BLK1	0517BL1.D	05/17/11 11:42
GW8041-TB	1105113-05	0511305.D	05/17/11 12:07
GW8042-TB	1105122-03	0512203.D	05/17/11 12:32
GW0087	1105113-01	0511301.D	05/17/11 13:46
GW0099	1105122-01	0512201.D	05/17/11 14:11
LCS Dup	1E17012-BSD1	0517LD1.D	05/17/11 21:13

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E13808	Instrument:	MS-VOA4
Calibration:	1138001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1E13808-TUN1	0517TU1.D	05/17/11 06:51
Calibration Check	1E13808-CCV1	0517CCV1.D	05/17/11 07:21
LCS	1E16009-BS1	0517LCS1.D	05/17/11 08:03
Blank	1E16009-BLK1	0517BL1.D	05/17/11 09:31
GW8039-TB	1105082-03	0508203.D	05/17/11 10:01
LCS Dup	1E16009-BSD1	0517LD1.D	05/17/11 18:25

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E14009	Instrument:	MS-VOA5
Calibration:	1110001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1E14009-TUN1	0519TU1.D	05/19/11 06:08
Calibration Check	1E14009-CCV1	0519CC1.D	05/19/11 06:42
LCS	1E19004-BS1	0519LS1.D	05/19/11 07:07
Blank	1E19004-BLK1	0519BL1.D	05/19/11 08:24
GW8043-TB	1105137-05	0513705.D	05/19/11 10:11
GW0088	1105113-03RE1	0511303.D	05/19/11 10:36
GW0049	1105137-01	0513701D.D	05/19/11 16:05
GW0055	1105137-03	0513703D.D	05/19/11 16:31
LCS Dup	1E19004-BSD1	0519LD1.D	05/19/11 18:37

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E14101	Instrument:	MS-VOA5
Calibration:	1110001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1E14101-TUN1	0520TU1.D	05/20/11 06:55
Calibration Check	1E14101-CCV1	0520CC1.D	05/20/11 07:27
LCS	1E20016-BS1	0520LS1.D	05/20/11 07:52
Blank	1E20016-BLK1	0520BL1.D	05/20/11 09:39
GW0055	1105137-03RE1	0513703R.D	05/20/11 11:21

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E13311	Instrument:	MS-VOA4
		Calibration:	1084001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1E13311-CCV1)			Lab File ID: 0512CCV1.D			Analyzed: 05/12/11 08:00			
Fluorobenzene	1532620	11.74	1274925	11.745	120	50 - 200	-0.0050	+/-0.50	
Chlorobenzene-d5	612134	15.479	473989	15.484	129	50 - 200	-0.0050	+/-0.50	
1,4-Dichlorobenzene-d4	691577	17.373	606491	17.378	114	50 - 200	-0.0050	+/-0.50	
LCS (1E12926-BS1)			Lab File ID: 0512LCS1.D			Analyzed: 05/12/11 08:41			
Fluorobenzene	1579641	11.735	1532620	11.74	103	50 - 200	-0.0050	+/-0.50	
Chlorobenzene-d5	610536	15.474	612134	15.479	100	50 - 200	-0.0050	+/-0.50	
1,4-Dichlorobenzene-d4	702568	17.368	691577	17.373	102	50 - 200	-0.0050	+/-0.50	
Blank (1E12926-BLK1)			Lab File ID: 0512BL1.D			Analyzed: 05/12/11 10:11			
Fluorobenzene	1387373	11.729	1532620	11.74	91	50 - 200	-0.0110	+/-0.50	
Chlorobenzene-d5	544156	15.467	612134	15.479	89	50 - 200	-0.0120	+/-0.50	
1,4-Dichlorobenzene-d4	600882	17.361	691577	17.373	87	50 - 200	-0.0120	+/-0.50	
GW0060 (1105082-01)			Lab File ID: 0508201.D			Analyzed: 05/12/11 13:42			
Fluorobenzene	1228841	11.716	1532620	11.74	80	50 - 200	-0.0240	+/-0.50	
Chlorobenzene-d5	477679	15.465	612134	15.479	78	50 - 200	-0.0140	+/-0.50	
1,4-Dichlorobenzene-d4	506177	17.359	691577	17.373	73	50 - 200	-0.0140	+/-0.50	
Matrix Spike (1E12926-MS1)			Lab File ID: 0508201M.D			Analyzed: 05/12/11 18:14			
Fluorobenzene	1199423	11.719	1532620	11.74	78	50 - 200	-0.0210	+/-0.50	
Chlorobenzene-d5	495061	15.467	612134	15.479	81	50 - 200	-0.0120	+/-0.50	
1,4-Dichlorobenzene-d4	526768	17.361	691577	17.373	76	50 - 200	-0.0120	+/-0.50	
Matrix Spike Dup (1E12926-MSD1)			Lab File ID: 0508201S.D			Analyzed: 05/12/11 18:44			
Fluorobenzene	1286552	11.725	1532620	11.74	84	50 - 200	-0.0150	+/-0.50	
Chlorobenzene-d5	518766	15.474	612134	15.479	85	50 - 200	-0.0050	+/-0.50	
1,4-Dichlorobenzene-d4	578697	17.368	691577	17.373	84	50 - 200	-0.0050	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E13402	Instrument:	MS-VOA4
		Calibration:	1084001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1E13402-CCV1)			Lab File ID: 0513CCV1.D			Analyzed: 05/13/11 09:25			
Fluorobenzene	1350669	11.746	1274925	11.745	106	50 - 200	0.0010	+/-0.50	
Chlorobenzene-d5	564206	15.485	473989	15.484	119	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	607008	17.379	606491	17.378	100	50 - 200	0.0010	+/-0.50	
LCS (1E13302-BS1)			Lab File ID: 0513LCS1.D			Analyzed: 05/13/11 10:05			
Fluorobenzene	1519887	11.745	1350669	11.746	113	50 - 200	-0.0010	+/-0.50	
Chlorobenzene-d5	551357	15.484	564206	15.485	98	50 - 200	-0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	656696	17.378	607008	17.379	108	50 - 200	-0.0010	+/-0.50	
Blank (1E13302-BLK1)			Lab File ID: 0513BL1.D			Analyzed: 05/13/11 11:35			
Fluorobenzene	1381171	11.744	1350669	11.746	102	50 - 200	-0.0020	+/-0.50	
Chlorobenzene-d5	543666	15.483	564206	15.485	96	50 - 200	-0.0020	+/-0.50	
1,4-Dichlorobenzene-d4	569584	17.377	607008	17.379	94	50 - 200	-0.0020	+/-0.50	
GW8040-TB (1105093-05)			Lab File ID: 0509305.D			Analyzed: 05/13/11 13:04			
Fluorobenzene	1229897	11.75	1350669	11.746	91	50 - 200	0.0040	+/-0.50	
Chlorobenzene-d5	494316	15.479	564206	15.485	88	50 - 200	-0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	499096	17.373	607008	17.379	82	50 - 200	-0.0060	+/-0.50	
GW0085 (1105093-01)			Lab File ID: 0509301.D			Analyzed: 05/13/11 14:33			
Fluorobenzene	1171215	11.747	1350669	11.746	87	50 - 200	0.0010	+/-0.50	
Chlorobenzene-d5	426066	15.486	564206	15.485	76	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	450799	17.38	607008	17.379	74	50 - 200	0.0010	+/-0.50	
GW0086 (1105093-03)			Lab File ID: 0509303.D			Analyzed: 05/13/11 15:03			
Fluorobenzene	1092498	11.745	1350669	11.746	81	50 - 200	-0.0010	+/-0.50	
Chlorobenzene-d5	444306	15.484	564206	15.485	79	50 - 200	-0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	443929	17.378	607008	17.379	73	50 - 200	-0.0010	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E13807	Instrument:	MS-VOA5
		Calibration:	1110001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1E13807-CCV1)			Lab File ID: 0517CC1.D			Analyzed: 05/17/11 09:45			
Fluorobenzene	1323876	7.923	1328259	7.92	100	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	590379	11.055	600438	11.052	98	50 - 200	0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	505158	13.458	522137	13.456	97	50 - 200	0.0020	+/-0.50	
LCS (1E17012-BS1)			Lab File ID: 0517LS1.D			Analyzed: 05/17/11 10:28			
Fluorobenzene	1385925	7.917	1323876	7.923	105	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	614793	11.059	590379	11.055	104	50 - 200	0.0040	+/-0.50	
1,4-Dichlorobenzene-d4	521098	13.453	505158	13.458	103	50 - 200	-0.0050	+/-0.50	
Blank (1E17012-BLK1)			Lab File ID: 0517BL1.D			Analyzed: 05/17/11 11:42			
Fluorobenzene	1434212	7.922	1323876	7.923	108	50 - 200	-0.0010	+/-0.50	
Chlorobenzene-d5	566491	11.055	590379	11.055	96	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	502388	13.458	505158	13.458	99	50 - 200	0.0000	+/-0.50	
GW8041-TB (1105113-05)			Lab File ID: 0511305.D			Analyzed: 05/17/11 12:07			
Fluorobenzene	1409443	7.916	1323876	7.923	106	50 - 200	-0.0070	+/-0.50	
Chlorobenzene-d5	559738	11.049	590379	11.055	95	50 - 200	-0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	472268	13.452	505158	13.458	93	50 - 200	-0.0060	+/-0.50	
GW8042-TB (1105122-03)			Lab File ID: 0512203.D			Analyzed: 05/17/11 12:32			
Fluorobenzene	1376156	7.922	1323876	7.923	104	50 - 200	-0.0010	+/-0.50	
Chlorobenzene-d5	561262	11.054	590379	11.055	95	50 - 200	-0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	457247	13.458	505158	13.458	91	50 - 200	0.0000	+/-0.50	
GW0087 (1105113-01)			Lab File ID: 0511301.D			Analyzed: 05/17/11 13:46			
Fluorobenzene	1338977	7.919	1323876	7.923	101	50 - 200	-0.0040	+/-0.50	
Chlorobenzene-d5	532800	11.051	590379	11.055	90	50 - 200	-0.0040	+/-0.50	
1,4-Dichlorobenzene-d4	439624	13.455	505158	13.458	87	50 - 200	-0.0030	+/-0.50	
GW0099 (1105122-01)			Lab File ID: 0512201.D			Analyzed: 05/17/11 14:11			
Fluorobenzene	1312138	7.921	1323876	7.923	99	50 - 200	-0.0020	+/-0.50	
Chlorobenzene-d5	523272	11.053	590379	11.055	89	50 - 200	-0.0020	+/-0.50	
1,4-Dichlorobenzene-d4	421499	13.457	505158	13.458	83	50 - 200	-0.0010	+/-0.50	
LCS Dup (1E17012-BSD1)			Lab File ID: 0517LD1.D			Analyzed: 05/17/11 21:13			
Fluorobenzene	1084564	7.926	1323876	7.923	82	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	441443	11.058	590379	11.055	75	50 - 200	0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	386336	13.461	505158	13.458	76	50 - 200	0.0030	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E13808	Instrument:	MS-VOA4
		Calibration:	1138001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1E13808-CCV1)			Lab File ID: 0517CCV1.D			Analyzed: 05/17/11 07:21			
Fluorobenzene	1270240	11.756	1274925	11.745	100	50 - 200	0.0110	+/-0.50	
Chlorobenzene-d5	554749	15.484	473989	15.484	117	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	562932	17.378	606491	17.378	93	50 - 200	0.0000	+/-0.50	
LCS (1E16009-BS1)			Lab File ID: 0517LCS1.D			Analyzed: 05/17/11 08:03			
Fluorobenzene	1425774	11.757	1270240	11.756	112	50 - 200	0.0010	+/-0.50	
Chlorobenzene-d5	596124	15.486	554749	15.484	107	50 - 200	0.0020	+/-0.50	
1,4-Dichlorobenzene-d4	607037	17.38	562932	17.378	108	50 - 200	0.0020	+/-0.50	
Blank (1E16009-BLK1)			Lab File ID: 0517BL1.D			Analyzed: 05/17/11 09:31			
Fluorobenzene	1190118	11.76	1270240	11.756	94	50 - 200	0.0040	+/-0.50	
Chlorobenzene-d5	490544	15.489	554749	15.484	88	50 - 200	0.0050	+/-0.50	
1,4-Dichlorobenzene-d4	471950	17.383	562932	17.378	84	50 - 200	0.0050	+/-0.50	
GW8039-TB (1105082-03)			Lab File ID: 0508203.D			Analyzed: 05/17/11 10:01			
Fluorobenzene	1199795	11.755	1270240	11.756	94	50 - 200	-0.0010	+/-0.50	
Chlorobenzene-d5	482020	15.484	554749	15.484	87	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	460107	17.378	562932	17.378	82	50 - 200	0.0000	+/-0.50	
LCS Dup (1E16009-BSD1)			Lab File ID: 0517LD1.D			Analyzed: 05/17/11 18:25			
Fluorobenzene	1182882	11.756	1270240	11.756	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	501408	15.485	554749	15.484	90	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	518633	17.379	562932	17.378	92	50 - 200	0.0010	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E14009	Instrument:	MS-VOA5
		Calibration:	1110001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1E14009-CCV1)			Lab File ID: 0519CC1.D			Analyzed: 05/19/11 06:42			
Fluorobenzene	1083498	7.911	1328259	7.92	82	50 - 200	-0.0090	+/-0.50	
Chlorobenzene-d5	480644	11.054	600438	11.052	80	50 - 200	0.0020	+/-0.50	
1,4-Dichlorobenzene-d4	423293	13.457	522137	13.456	81	50 - 200	0.0010	+/-0.50	
LCS (1E19004-BS1)			Lab File ID: 0519LS1.D			Analyzed: 05/19/11 07:07			
Fluorobenzene	1168532	7.916	1083498	7.911	108	50 - 200	0.0050	+/-0.50	
Chlorobenzene-d5	477390	11.048	480644	11.054	99	50 - 200	-0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	417108	13.451	423293	13.457	99	50 - 200	-0.0060	+/-0.50	
Blank (1E19004-BLK1)			Lab File ID: 0519BL1.D			Analyzed: 05/19/11 08:24			
Fluorobenzene	1158634	7.912	1083498	7.911	107	50 - 200	0.0010	+/-0.50	
Chlorobenzene-d5	471176	11.044	480644	11.054	98	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	383894	13.447	423293	13.457	91	50 - 200	-0.0100	+/-0.50	
GW8043-TB (1105137-05)			Lab File ID: 0513705.D			Analyzed: 05/19/11 10:11			
Fluorobenzene	1069638	7.906	1083498	7.911	99	50 - 200	-0.0050	+/-0.50	
Chlorobenzene-d5	445119	11.048	480644	11.054	93	50 - 200	-0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	341265	13.442	423293	13.457	81	50 - 200	-0.0150	+/-0.50	
GW0088 (1105113-03RE1)			Lab File ID: 0511303.D			Analyzed: 05/19/11 10:36			
Fluorobenzene	1080529	7.906	1083498	7.911	100	50 - 200	-0.0050	+/-0.50	
Chlorobenzene-d5	449726	11.038	480644	11.054	94	50 - 200	-0.0160	+/-0.50	
1,4-Dichlorobenzene-d4	372334	13.441	423293	13.457	88	50 - 200	-0.0160	+/-0.50	
GW0049 (1105137-01)			Lab File ID: 0513701D.D			Analyzed: 05/19/11 16:05			
Fluorobenzene	1093901	7.902	1083498	7.911	101	50 - 200	-0.0090	+/-0.50	
Chlorobenzene-d5	433918	11.035	480644	11.054	90	50 - 200	-0.0190	+/-0.50	
1,4-Dichlorobenzene-d4	361846	13.438	423293	13.457	85	50 - 200	-0.0190	+/-0.50	
GW0055 (1105137-03)			Lab File ID: 0513703D.D			Analyzed: 05/19/11 16:31			
Fluorobenzene	1050975	7.901	1083498	7.911	97	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	434448	11.033	480644	11.054	90	50 - 200	-0.0210	+/-0.50	
1,4-Dichlorobenzene-d4	376018	13.437	423293	13.457	89	50 - 200	-0.0200	+/-0.50	
LCS Dup (1E19004-BSD1)			Lab File ID: 0519LD1.D			Analyzed: 05/19/11 18:37			
Fluorobenzene	1097255	7.906	1083498	7.911	101	50 - 200	-0.0050	+/-0.50	
Chlorobenzene-d5	443012	11.039	480644	11.054	92	50 - 200	-0.0150	+/-0.50	
1,4-Dichlorobenzene-d4	388198	13.442	423293	13.457	92	50 - 200	-0.0150	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E14101	Instrument:	MS-VOA5
		Calibration:	1110001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1E14101-CCV1)			Lab File ID: 0520CC1.D			Analyzed: 05/20/11 07:27			
Fluorobenzene	1154466	7.903	1328259	7.92	87	50 - 200	-0.0170	+/-0.50	
Chlorobenzene-d5	490887	11.045	600438	11.052	82	50 - 200	-0.0070	+/-0.50	
1,4-Dichlorobenzene-d4	432459	13.449	522137	13.456	83	50 - 200	-0.0070	+/-0.50	
LCS (1E20016-BS1)			Lab File ID: 0520LS1.D			Analyzed: 05/20/11 07:52			
Fluorobenzene	1186117	7.906	1154466	7.903	103	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	484284	11.038	490887	11.045	99	50 - 200	-0.0070	+/-0.50	
1,4-Dichlorobenzene-d4	430103	13.442	432459	13.449	99	50 - 200	-0.0070	+/-0.50	
Blank (1E20016-BLK1)			Lab File ID: 0520BL1.D			Analyzed: 05/20/11 09:39			
Fluorobenzene	1159903	7.903	1154466	7.903	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	468227	11.045	490887	11.045	95	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	390800	13.448	432459	13.449	90	50 - 200	-0.0010	+/-0.50	
GW0055 (1105137-03RE1)			Lab File ID: 0513703R.D			Analyzed: 05/20/11 11:21			
Fluorobenzene	1071996	7.901	1154466	7.903	93	50 - 200	-0.0020	+/-0.50	
Chlorobenzene-d5	449991	11.033	490887	11.045	92	50 - 200	-0.0120	+/-0.50	
1,4-Dichlorobenzene-d4	377256	13.437	432459	13.449	87	50 - 200	-0.0120	+/-0.50	

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
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_012
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_012
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-trifluoroethan	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_012
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_012
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_012
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_012	
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_012
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_012	
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_012	
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_012	
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_012
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_012	
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_012	
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_012	
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_012	
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_012		
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_012
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 DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1110001	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	4/15/11 9:53 4/15/11 17:45

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	7.345248E-02	5.002	0.0629605	10	7.600379E-02	25.01	4.266429E-02	50.02	4.401047E-02	250.1	4.491028E-02
Acrylonitrile	2.499	9.808561E-02	4.998	0.109848	9.996	8.699726E-02	24.99	8.799322E-02	49.98	8.802525E-02	249.9	9.420532E-02
Benzene	0.5	0.8000888	1	0.9156609	2	0.8803617	5	0.7934592	10	0.7359414	50	0.800176
Bromobenzene	0.5	0.641056	1	0.6621863	2	0.5914626	5	0.6467631	10	0.579489	50	0.6402908
Bromochloromethane	0.5	0.1093716	1	0.1692393	2	0.140701	5	0.1313986	10	0.112671	50	0.1315389
Tert-Amyl Methyl Ether	0.5	0.6306069	1	0.7326989	2	0.6863854	5	0.6084636	10	0.594319	50	0.6639212
Bromodichloromethane	0.5	0.3849176	1	0.3212413	2	0.3108098	5	0.3016333	10	0.2722413	50	0.3183873
Bromoform	0.5	0.3945924	1	0.3386649	2	0.3466746	5	0.3226988	10	0.33363	50	0.3812498
Bromomethane	0.5	0.1684676	1	0.1779699	2	0.192281	5	0.1780457	10	0.1785955	50	0.2262205
Bromofluorobenzene												
n-Butylbenzene	0.5	1.615764	1	1.620222	2	1.568309	5	1.533788	10	1.313584	50	1.538153
2-Butanone												
sec-Butylbenzene	0.5	2.182433	1	2.042219	2	2.12414	5	1.9027	10	1.740465	50	1.975233
tert-Butylbenzene	0.5	1.42206	1	1.934084	2	1.652871	5	1.639224	10	1.426676	50	1.647677
Carbon disulfide	0.5	0.6700777	1	0.7146108	2	0.6935102	5	0.6335915	10	0.6337523	50	0.6850653
Carbon tetrachloride	0.5	0.2142449	1	0.2502996	2	0.2321267	5	0.2296175	10	0.2145385	50	0.245885
Chlorobenzene	0.5	1.326671	1	1.439744	2	1.348718	5	1.242116	10	1.218162	50	1.309918
Chloroethane	0.5	0.2639473	1	0.3176148	2	0.2371905	5	0.2382983	10	0.229075	50	0.2546896
Chloroform	0.5	0.4713124	1	0.525224	2	0.4449954	5	0.3898242	10	0.3843343	50	0.4034271
2-Chloroethyl vinyl ether	0.9975	0.1757648	1.995	0.1714589	3.99	0.1786886	9.975	0.1651317	19.95	0.1499097	99.75	0.1703667
Chloromethane	0.5	0.4048956	1	0.522269	2	0.5269472	5	0.4844209	10	0.4433077	50	0.4808374
1-Chlorohexane	0.501	1.585962	1.002	1.589005	2.004	1.398023	5.01	1.274661	10.02	1.22227	50.1	1.31726
2-Chlorotoluene	0.5	1.32624	1	1.808458	2	1.659932	5	1.543797	10	1.385015	50	1.54863
4-Chlorotoluene	0.5	1.73978	1	1.803072	2	1.855684	5	1.677465	10	1.535848	50	1.79964
Cyclohexane	0.5	0.4396916	1	0.4634382	2	0.409737	5	0.3895298	10	0.3643557	50	0.4100495
Dibromochloromethane	0.5	0.5283043	1	0.5578137	2	0.5173084	5	0.5282558	10	0.5005973	50	0.5522381
1,2-Dibromo-3-chloropropane	0.5		1	9.348104E-02	2	9.474229E-02	5	0.1156024	10	0.1023672	50	0.1237073
1,2-Dibromoethane (EDB)	0.5	0.5843429	1	0.6618649	2	0.6056568	5	0.540378	10	0.5211705	50	0.5524816
Dibromomethane	0.5	0.1536054	1	0.1796265	2	0.153499	5	0.1450265	10	0.1479124	50	0.1641915
1,2-Dichlorobenzene	0.5	0.8575686	1	1.041613	2	1.049727	5	0.9857437	10	0.9044381	50	1.03308

INITIAL CALIBRATION DATA

SW8260B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_012

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Calibration: 1110001

Instrument: MS-VOA5

Matrix: Water

Calibration Dates: 4/15/11 9:53 4/15/11 17:45

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	1.273057	1	1.210968	2	1.111015	5	1.008536	10	0.9391991	50	1.051088
1,4-Dichlorobenzene	0.5	1.532551	1	1.16052	2	1.202197	5	1.083727	10	0.9748769	50	1.079088
Dichlorodifluoromethane	0.5	0.2840134	1	0.2858936	2	0.2909534	5	0.3119691	10	0.2727878	50	0.3162249
1,1-Dichloroethane	0.5	0.4287103	1	0.5320965	2	0.4751234	5	0.4325725	10	0.4120782	50	0.4661043
1,2-Dichloroethane	0.5	0.3562957	1	0.31363	2	0.3396192	5	0.3170589	10	0.2989102	50	0.3387723
1,1-Dichloroethene	0.5	0.2393828	1	0.2659251	2	0.2648033	5	0.1920973	10	0.1939775	50	0.2009782
cis-1,2-Dichloroethene	0.5	0.249482	1	0.3033548	2	0.3005381	5	0.247724	10	0.2281777	50	0.2555682
trans-1,2-Dichloroethene	0.5	0.2998018	1	0.2666415	2	0.2699336	5	0.2006577	10	0.2123392	50	0.230136
1,2-Dichloroethene (total)	1	0.2746419	2	0.2849981	4	0.2852358	10	0.2241909	20	0.2202585	100	0.2428521
1,2-Dichloropropane	0.5	0.2971116	1	0.3268379	2	0.3157074	5	0.2696402	10	0.2481496	50	0.2695601
1,3-Dichloropropane	0.5	0.843535	1	0.909842	2	0.8361608	5	0.8171525	10	0.764916	50	0.8162331
2,2-Dichloropropane	0.5	0.3501656	1	0.3412545	2	0.3056573	5	0.2780712	10	0.2715509	50	0.3022778
1,1-Dichloropropene	0.5	0.2968029	1	0.3418814	2	0.3254472	5	0.2892188	10	0.2793071	50	0.3077439
cis-1,3-Dichloropropene	0.5	0.3369793	1	0.4209045	2	0.3752986	5	0.3546505	10	0.3451507	50	0.3709639
trans-1,3-Dichloropropene	0.5	0.6572671	1	0.7202759	2	0.7544529	5	0.7045884	10	0.6688263	50	0.7769461
1,3-Dichloropropene (total)	1	0.3058216	2	0.3600701	4	0.3468991	10	0.3256349	20	0.3108605	100	0.3508639
Diisopropyl Ether	0.5	1.095436	1	1.089445	2	1.036587	5	1.039403	10	1.009037	50	1.099811
Ethylbenzene	0.5	2.026046	1	2.21121	2	2.244356	5	2.0568	10	1.979842	50	2.099205
Ethyl tert-Butyl Ether	0.5	0.8180381	1	0.8773582	2	0.8584222	5	0.7778061	10	0.7427239	50	0.8236289
Ethyl Methacrylate	0.5	0.7708219	1	0.7903798	2	0.7030081	5	0.7054255	10	0.6633499	50	0.7145584
Hexachlorobutadiene	0.5	0.3004126	1	0.2670639	2	0.2546861	5	0.2139476	10	0.1996979	50	0.2170609
2-Hexanone												
Iodomethane	0.5	~~0.1155017~~	1	0.1466517	2	0.1505738	5	0.1804679	10	0.1858682	50	0.2715026
Isopropylbenzene	0.5	1.553991	1	1.879496	2	1.64715	5	1.463981	10	1.484014	50	1.604791
p-Isopropyltoluene	0.5	1.89864	1	1.776951	2	1.742258	5	1.607387	10	1.523654	50	1.666623
Methylene chloride	0.5	~~0.3900775~~	1	0.2936392	2	0.2698228	5	0.2477597	10	0.2252182	50	0.2518085
Methyl Acetate	0.5	~~0.4609926~~	1	0.4005555	2	0.2358498	5	0.2255224	10	0.2031954	50	0.215042
Methylcyclohexane	0.5	0.3449617	1	0.2959674	2	0.3342673	5	0.2715628	10	0.2594567	50	0.2933012
Naphthalene	0.5	1.330595	1	1.403953	2	1.438523	5	1.267743	10	1.210153	50	1.336267
Methyl Methacrylate	0.5	0.3571778	1	0.3326583	2	0.2536673	5	0.2420409	10	0.2434765	50	0.2725396
4-Methyl-2-pentanone												

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1110001	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	4/15/11 9:53 4/15/11 17:45

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
Methyl t-Butyl Ether	0.5	0.58849	1	0.3847061	2	0.61701	5	0.5249432	10	0.5220101	50	0.575102
n-Propylbenzene	0.5	2.658898	1	2.631022	2	2.742525	5	2.498391	10	2.252019	50	2.51794
Styrene	0.5	1.191692	1	1.431338	2	1.394782	5	1.292819	10	1.286717	50	1.356195
1,1,2,2-Tetrachloroethane	0.5	0.6565294	1	0.8292243	2	0.7688837	5	0.6768636	10	0.6541766	50	0.723185
1,1,1,2-Tetrachloroethane	0.5	0.4367006	1	0.4756397	2	0.5285685	5	0.4857648	10	0.4354952	50	0.5080245
tert-Butyl alcohol	2.5	1.891953E-02	5	2.545306E-02	10	2.534346E-02	25	2.000688E-02	50	1.962376E-02	250	2.099059E-02
Tetrachloroethene	0.5	0.364093	1	0.5506471	2	0.4872814	5	0.4530117	10	0.4530936	50	0.4932279
Toluene	0.5	1.194858	1	1.156849	2	1.245383	5	1.085715	10	1.014703	50	1.112732
1,2,3-Trichlorobenzene	0.5	0.4865515	1	0.6485175	2	0.5326165	5	0.4876621	10	0.4486489	50	0.5188974
1,2,4-Trichlorobenzene	0.5	0.7493696	1	0.6890607	2	0.6505441	5	0.5479476	10	0.5055653	50	0.5773303
1,1,2-Trichloroethane	0.5	0.5303094	1	0.5252135	2	0.4770975	5	0.4418115	10	0.4350982	50	0.4271284
1,1,1-Trichloroethane	0.5	0.330761	1	0.3376056	2	0.3149539	5	0.2880055	10	0.2771033	50	0.3098753
Tetrahydrofuran	0.5	~~0.1634841~~	1	0.1109906	2	0.130662	5	7.513845E-02	10	7.189065E-02	50	7.579246E-02
Trichloroethene	0.5	0.2354577	1	0.2523815	2	0.2614126	5	0.2117919	10	0.2188451	50	0.2396014
Trichlorofluoromethane	0.5	0.4371778	1	0.4162929	2	0.4261584	5	0.3891685	10	0.3896686	50	0.3943387
1,2,3-Trichloropropane	0.5	0.1683271	1	0.1842854	2	0.2015794	5	0.1413224	10	0.1597234	50	0.1514929
1,3,5-Trimethylbenzene	0.5	1.681783	1	1.781468	2	1.842237	5	1.535102	10	1.452974	50	1.666816
1,2,4-Trimethylbenzene	0.5	1.815771	1	1.840546	2	1.734166	5	1.554856	10	1.452915	50	1.671327
1,1,2-Trichloro-1,2,2-trifluoroethan	0.5	0.1947962	1	0.245106	2	0.2140875	5	0.1963128	10	0.1816022	50	0.207954
Vinyl chloride	0.5	0.4777512	1	0.3889818	2	0.3273641	5	0.3402598	10	0.3620777	50	0.3030401
m,p-Xylene	1	1.670396	2	1.787353	4	1.678962	10	1.568847	20	1.459675	100	1.572657
o-Xylene	0.5	1.74923	1	1.94044	2	1.807285	5	1.558785	10	1.560928	50	1.627801
Vinyl acetate	0.9995	0.4135478	1.999	0.3447625	3.998	0.4064887	9.995	0.3548725	19.99	0.3401282	99.95	0.3820547
Xylenes (total)	1.5	1.696674	3	1.838382	6	1.721736	15	1.565493	30	1.493426	150	1.591039
Dibromofluoromethane												
1,2-Dichloroethane-d4												
Toluene-d8												
tert-Amyl alcohol	2.5	1.766705E-02	5	1.906405E-02	10	1.790397E-02	25	0.0169066	50	0.0166562	250	1.650561E-02
tert-Amyl ethyl ether	0.5	0.6824261	1	0.6596976	2	0.6734211	5	0.6479509	10	0.6062625	50	0.6795288

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1110001	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	4/15/11 9:53 4/15/11 17:45

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		2	~~0.2395382~~	4	0.1062259
Acrolein	500.2	4.761912E-02	750.3	4.441414E-02	1000	4.446742E-02						
Acrylonitrile	499.8	9.624532E-02	749.7	0.0967836	999.6	9.945679E-02						
Benzene	100	0.8082567	150	0.8163695	200	0.7988039						
Bromobenzene	100	0.6227843	150	0.6086506	200	0.6133366						
Bromochloromethane	100	0.1302925	150	0.134319	200	0.130993						
Tert-Amyl Methyl Ether	100	0.6658783	150	0.687089	200	0.681037						
Bromodichloromethane	100	0.3180744	150	0.3272917	200	0.325512						
Bromoform	100	0.3779496	150	0.3790748	200	0.3705986						
Bromomethane	100	0.2381992	150	0.2519488	200	0.2510808						
Bromofluorobenzene							30	0.8695019	30	0.8691996	40	0.8060909
n-Butylbenzene	100	1.474875	150	1.431947	200	1.444853						
2-Butanone							1	0.1415871	2	0.1638124	4	0.150175
sec-Butylbenzene	100	1.901739	150	1.885204	200	1.850669						
tert-Butylbenzene	100	1.602518	150	1.609183	200	1.551959						
Carbon disulfide	100	0.6887554	150	0.6911361	200	0.68595						
Carbon tetrachloride	100	0.2509112	150	0.2571727	200	0.2633611						
Chlorobenzene	100	1.235874	150	1.215821	200	1.168307						
Chloroethane	100	0.2458709	150	0.2418009	200	0.2428498						
Chloroform	100	0.4073919	150	0.4212198	200	0.4175302						
2-Chloroethyl vinyl ether	199.5	0.175057	299.2	0.1795702	399	0.17956						
Chloromethane	100	0.4652296	150	0.4745201	200	0.4687825						
1-Chlorohexane	100.2	1.256774	150.3	1.25052	200.4	1.210453						
2-Chlorotoluene	100	1.52764	150	1.514417	200	1.503625						
4-Chlorotoluene	100	1.720962	150	1.745691	200	1.735362						
Cyclohexane	100	0.4088501	150	0.4185832	200	0.4205054						
Dibromochloromethane	100	0.5342505	150	0.5344027	200	0.5202787						
1,2-Dibromo-3-chloropropane	100	0.1245736	150	0.1227042	200	0.1233507						
1,2-Dibromoethane (EDB)	100	0.5329544	150	0.5193847	200	0.5009687						
Dibromomethane	100	0.1620901	150	0.1675086	200	0.1653088						
1,2-Dichlorobenzene	100	0.9798451	150	0.9607292	200	0.9510329						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1110001	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	4/15/11 9:53 4/15/11 17:45

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	1.028373	150	0.998828	200	1.002863						
1,4-Dichlorobenzene	100	1.0591	150	1.030866	200	1.009536						
Dichlorodifluoromethane	100	0.3117621	150	0.3095106	200	0.3036366						
1,1-Dichloroethane	100	0.4650846	150	0.4714799	200	0.4701173						
1,2-Dichloroethane	100	0.3454874	150	0.3557143	200	0.3525558						
1,1-Dichloroethene	100	0.204577	150	0.2000217	200	0.2103732						
cis-1,2-Dichloroethene	100	0.2594392	150	0.2625341	200	0.2612869						
trans-1,2-Dichloroethene	100	0.2320617	150	0.2404701	200	0.2408501						
1,2-Dichloroethene (total)	200	0.2457505	300	0.2515021	400	0.2510685						
1,2-Dichloropropane	100	0.2768431	150	0.2841096	200	0.2821266						
1,3-Dichloropropane	100	0.7927853	150	0.7731411	200	0.7493176						
2,2-Dichloropropane	100	0.305663	150	0.3168261	200	0.3142077						
1,1-Dichloropropene	100	0.3115563	150	0.3233728	200	0.3222422						
cis-1,3-Dichloropropene	100	0.3828268	150	0.3965628	200	0.395178						
trans-1,3-Dichloropropene	100	0.7696532	150	0.7817741	200	0.7646546						
1,3-Dichloropropene (total)	200	0.3653738	300	0.3800619	400	0.3801002						
Diisopropyl Ether	100	1.11285	150	1.134986	200	1.107778						
Ethylbenzene	100	1.937883	150	1.922859	200	1.8281						
Ethyl tert-Butyl Ether	100	0.8342713	150	0.8474832	200	0.8437941						
Ethyl Methacrylate	100	0.6893992	150	0.6995502	200	0.6764212						
Hexachlorobutadiene	100	0.2183398	150	0.2151024	200	0.2166238						
2-Hexanone							1	0.5026459	2	0.5797565	4	0.4901297
Iodomethane	100	0.2889175	150	0.3081212	200	0.3008402						
Isopropylbenzene	100	1.506733	150	1.473016	200	1.422801						
p-Isopropyltoluene	100	1.637658	150	1.625244	200	1.615128						
Methylene chloride	100	0.2516857	150	0.2554455	200	0.2533425						
Methyl Acetate	100	0.2201898	150	0.2211768	200	0.2256047						
Methylcyclohexane	100	0.2949703	150	0.3038449	200	0.3052717						
Naphthalene	100	1.347997	150	1.313537	200	1.294839						
Methyl Methacrylate	100	0.2694595	150	0.2856965	200	0.2875679						
4-Methyl-2-pentanone							1	0.2715508	2	0.2845776	4	0.2933364

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1110001	Instrument:	MS-VOA5	
Matrix:	Water	Calibration Dates:	4/15/11 9:53	4/15/11 17:45

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
Methyl t-Butyl Ether	100	0.5988705	150	0.6159157	200	0.6139185						
n-Propylbenzene	100	2.408552	150	2.369597	200	2.286507						
Styrene	100	1.294683	150	1.308169	200	1.270967						
1,1,2,2-Tetrachloroethane	100	0.713353	150	0.6930676	200	0.6933867						
1,1,1,2-Tetrachloroethane	100	0.475352	150	0.4757034	200	0.4682421						
tert-Butyl alcohol	500	2.167814E-02	750	2.229985E-02	1000	2.231197E-02						
Tetrachloroethene	100	0.4520485	150	0.4602833	200	0.448791						
Toluene	100	1.081687	150	1.095633	200	1.082227						
1,2,3-Trichlorobenzene	100	0.4923064	150	0.4935776	200	0.4830579						
1,2,4-Trichlorobenzene	100	0.5539334	150	0.560741	200	0.5458707						
1,1,2-Trichloroethane	100	0.4151994	150	0.4180961	200	0.3989418						
1,1,1-Trichloroethane	100	0.3158352	150	0.3216286	200	0.327623						
Tetrahydrofuran	100	7.667164E-02	150	7.949791E-02	200	7.960101E-02						
Trichloroethene	100	0.23727	150	0.2431529	200	0.2463272						
Trichlorofluoromethane	100	0.3969179	150	0.3949105	200	0.3914032						
1,2,3-Trichloropropane	100	0.1423161	150	0.1506411	200	0.1443797						
1,3,5-Trimethylbenzene	100	1.583804	150	1.575997	200	1.565018						
1,2,4-Trimethylbenzene	100	1.633456	150	1.64197	200	1.585531						
1,1,2-Trichloro-1,2,2-trifluoroethar	100	0.2067751	150	0.2062075	200	0.2127444						
Vinyl chloride	100	0.2340032	150	0.2065956	200	0.1971065						
m,p-Xylene	200	1.501925	300	1.462725	400	1.317357						
o-Xylene	100	1.565988	150	1.553286	200	1.508714						
Vinyl acetate	199.9	0.3826316	299.8	0.3832969	399.8	0.3787505						
Xylenes (total)	300	1.523279	450	1.492912	600	1.381143						
Dibromofluoromethane							30	0.305082	30	0.3121115	40	0.2808014
1,2-Dichloroethane-d4							30	0.060848	30	6.200351E-02	40	0.057634
Toluene-d8							30	2.175583	30	2.133059	40	1.993034
tert-Amyl alcohol	500	1.750579E-02	750	1.752437E-02	1000	1.792482E-02						
tert-Amyl ethyl ether	100	0.6929417	150	0.7127362	200	0.7089255						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_012	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1110001		Instrument:	MS-VOA5	
Matrix:	Water		Calibration Dates:	4/15/11 9:53	4/15/11 17:45

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	0.1058109	20	9.662517E-02	100	9.160077E-02	200	8.873568E-02	300	8.776138E-02	400	0.0912852
Acrolein												
Acrylonitrile												
Benzene												
Bromobenzene												
Bromochloromethane												
Tert-Amyl Methyl Ether												
Bromodichloromethane												
Bromoform												
Bromomethane												
Bromofluorobenzene	50	0.8179282	60	0.8024138	70	0.7653987	30	0.9016312	30	0.8719414	30	0.8837117
n-Butylbenzene												
2-Butanone	10	0.1154252	20	0.1283318	100	0.140829	200	0.1341546	300	0.1343933	400	0.1349522
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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1110001	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	4/15/11 9:53 4/15/11 17:45

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												
1,3-Dichloropropene (total)												
Diisopropyl Ether												
Ethylbenzene												
Ethyl tert-Butyl Ether												
Ethyl Methacrylate												
Hexachlorobutadiene												
2-Hexanone	10	0.4151944	20	0.4738867	100	0.4647011	200	0.4730331	300	0.4535798	400	0.4782568
Iodomethane												
Isopropylbenzene												
p-Isopropyltoluene												
Methylene chloride												
Methyl Acetate												
Methylcyclohexane												
Naphthalene												
Methyl Methacrylate												
4-Methyl-2-pentanone	10	0.2591883	20	0.2753029	100	0.2847717	200	0.2842831	300	0.2727058	400	0.2794371

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1110001	Instrument:	MS-VOA5	
Matrix:	Water	Calibration Dates:	4/15/11 9:53	4/15/11 17:45

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
Methyl t-Butyl Ether												
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-trifluoroethar												
Vinyl chloride												
m,p-Xylene												
o-Xylene												
Vinyl acetate												
Xylenes (total)												
Dibromofluoromethane	50	0.2831616	60	0.2832524	70	0.2746393	30	0.3029928	30	0.2980317	30	0.2988701
1,2-Dichloroethane-d4	50	6.188906E-02	60	5.667148E-02	70	5.616298E-02	30	0.0631027	30	5.735518E-02	30	5.957207E-02
Toluene-d8	50	1.973692	60	1.954738	70	1.847237	30	2.162138	30	2.08284	30	2.181926
tert-Amyl alcohol												
tert-Amyl ethyl ether												

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1110001	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	4/15/11 9:53 4/15/11 17:45

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acetone	0.095435	8.130072	3.761286	9.346288E-02			15	
Acrolein	5.338917E-02	25.4234	3.639333	0.1077746	0.9990652		0.995	
Acrylonitrile	9.529337E-02	7.569294	4.589333	0.1474434			15	
Benzene	0.8165687	6.399931	7.650444	5.168866E-02			15	
Bromobenzene	0.622891	4.364366	12.40278	5.143733E-02			15	
Bromochloromethane	0.1322805	12.97677	6.738889	0.0928818			15	
Tert-Amyl Methyl Ether	0.6611555	6.555788	7.841111	7.572897E-02			15	
Bromodichloromethane	0.3200121	9.249059	8.636667	6.813749E-02			15	
Bromoform	0.3605704	7.045665	11.81067	5.905082E-02			SPCC (0.1)	
Bromomethane	0.2069788	16.64528	2.818556	0.1637358	0.9991868		0.995	
Bromofluorobenzene	0.8430908	5.464727	12.24611	1.755882E-02			15	
n-Butylbenzene	1.504611	6.561854	13.83644	3.032147E-02			15	
2-Butanone	0.1381845	9.827188	6.202444	5.654298E-02			15	
sec-Butylbenzene	1.956089	7.131853	13.29478	2.976972E-02			15	
tert-Butylbenzene	1.609584	9.357792	13.06044	5.049762E-02			15	
Carbon disulfide	0.6773833	4.033366	4.763333	4.957716E-02			15	
Carbon tetrachloride	0.2397952	7.491069	7.617778	6.986726E-02			15	
Chlorobenzene	1.27837	6.608143	11.08278	5.423621E-02			SPCC (0.3)	
Chloroethane	0.2523708	10.49478	2.951	0.1958913			15	
Chloroform	0.4294733	10.46046	6.715889	8.754408E-02			CCC (20)	
2-Chloroethyl vinyl ether	0.1717231	5.52504	8.994556	6.848219E-02			15	
Chloromethane	0.4745789	7.851537	2.228667	0.1926709			SPCC (0.1)	
1-Chlorohexane	1.344992	11.02804	11.049	3.869327E-02			15	
2-Chlorotoluene	1.535306	9.158972	12.625	3.281746E-02			15	
4-Chlorotoluene	1.734834	5.262659	12.68844	4.818632E-02			15	
Cyclohexane	0.4138601	6.775805	7.549889	5.761858E-02			15	
Dibromochloromethane	0.5303833	3.2862	10.31456	6.028785E-02			15	
1,2-Dibromo-3-chloropropane	0.1125661	12.02491	14.44125	3.902792E-02			15	
1,2-Dibromoethane (EDB)	0.5576892	9.147644	10.52789	5.679238E-02			15	
Dibromomethane	0.1598632	6.798654	8.573222	6.249779E-02			15	
1,2-Dichlorobenzene	0.9737531	6.602409	13.79711	3.249335E-02			15	
1,3-Dichlorobenzene	1.069325	10.20858	13.38444	4.478999E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1110001	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	4/15/11 9:53 4/15/11 17:45

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.125829	14.93571	13.47644	4.420105E-02			15	
Dichlorodifluoromethane	0.2985279	5.170388	2.017222	0.1785951	0.9997339		0.995	
1,1-Dichloroethane	0.4614852	7.557788	5.750445	9.968297E-02			SPCC (0.1)	
1,2-Dichloroethane	0.3353382	6.162455	7.478667	8.089861E-02			15	
1,1-Dichloroethene	0.2191262	13.53056	4.228111	0.1783801			CCC (20)	
cis-1,2-Dichloroethene	0.2631228	9.248231	6.459889	8.951479E-02			15	
trans-1,2-Dichloroethene	0.2436546	12.59655	5.375111	0.1345106			15	
1,2-Dichloroethene (total)	0.2533887	9.456715	0	0			15	
1,2-Dichloropropane	0.2855651	8.528436	8.460444	7.290993E-02			CCC (20)	
1,3-Dichloropropane	0.8114537	6.040153	10.05411	0.0399961			15	
2,2-Dichloropropane	0.3095193	8.274472	6.569333	9.334919E-02			15	
1,1-Dichloropropene	0.3108414	6.366392	7.497444	8.152097E-02			15	
cis-1,3-Dichloropropene	0.3753906	7.176617	9.211445	6.630273E-02			15	
trans-1,3-Dichloropropene	0.7331598	6.458765	9.686222	5.472616E-02			15	
1,3-Dichloropropene (total)	0.3472984	7.996073	9.686222	5.472616E-02			15	
Diisopropyl Ether	1.080593	3.893299	6.121667	6.412666E-02			15	
Ethylbenzene	2.034033	6.673525	11.22944	0.0629414			CCC (20)	
Ethyl tert-Butyl Ether	0.8248362	5.044401	6.587778	7.160754E-02			15	
Ethyl Methacrylate	0.712546	5.877163	9.872444	5.863743E-02			15	
Hexachlorobutadiene	0.2336594	14.11394	15.80222	3.541708E-02			15	
2-Hexanone	0.4812427	9.22694	9.992778	3.236776E-02			15	
Iodomethane	0.2291179	30.40252	4.4235	0.1630534	0.9990179		0.995	
Isopropylbenzene	1.559553	8.952109	12.13022	3.579421E-02			15	
p-Isopropyltoluene	1.67706	6.663178	13.43278	2.871329E-02			15	
Methylene chloride	0.2560903	7.621563	4.710375	0.1147551			15	
Methyl Acetate	0.243392	26.37392	4.575	9.409387E-02	0.999715		0.995	
Methylcyclohexane	0.3004004	8.944592	8.791	4.837696E-02			15	
Naphthalene	1.327067	5.143918	15.67311	3.798954E-02			15	
Methyl Methacrylate	0.2826983	13.92008	7.548778	7.251518E-02			15	
4-Methyl-2-pentanone	0.2783504	3.582551	9.140111	2.964067E-02			15	
Methyl t-Butyl Ether	0.5601073	13.42515	5.375111	7.721725E-02			15	
n-Propylbenzene	2.48505	6.85256	12.53956	5.596903E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_012	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1110001		Instrument:	MS-VOA5	
Matrix:	Water		Calibration Dates:	4/15/11 9:53	4/15/11 17:45

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Styrene	1.314151	5.413242	11.70344	5.177519E-02			15	
1,1,2,2-Tetrachloroethane	0.7120744	7.923079	12.05467	5.038292E-02			SPCC (0.3)	
1,1,1,2-Tetrachloroethane	0.4766101	6.262437	11.12456	4.672365E-02			15	
tert-Butyl alcohol	2.184747E-02	10.65008	4.374778	0.1799545			15	
Tetrachloroethene	0.4624975	10.6729	10.424	5.774833E-02			15	
Toluene	1.118865	6.198212	9.688333	5.751295E-02			CCC (20)	
1,2,3-Trichlorobenzene	0.510204	11.15195	15.95856	3.955662E-02			15	
1,2,4-Trichlorobenzene	0.5978181	13.4198	15.521	2.557265E-02			15	
1,1,2-Trichloroethane	0.4520995	10.62213	9.842667	6.054729E-02			15	
1,1,1-Trichloroethane	0.3137102	6.314808	7.277333	7.972291E-02			15	
Tetrahydrofuran	8.753059E-02	24.39609	6.928	8.088625E-02	0.9995802		0.995	
Trichloroethene	0.2384711	6.483154	8.412333	8.104842E-02			15	
Trichlorofluoromethane	0.4040041	4.421798	3.443333	0.0711888			15	
1,2,3-Trichloropropane	0.1604519	12.94579	12.18167	0.049631			15	
1,3,5-Trimethylbenzene	1.631689	7.556347	12.71789	0.0493266			15	
1,2,4-Trimethylbenzene	1.658949	7.474238	13.09133	5.295763E-02			15	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2072873	8.432636	4.302556	0.1663512			15	
Vinyl chloride	0.3152422	29.09972	2.374222	0.1915386		0.9981236	CCC (20)	*
m,p-Xylene	1.557766	9.078421	11.34	6.848237E-02			15	
o-Xylene	1.652495	8.873298	11.73289	5.401407E-02			15	
Vinyl acetate	0.3762815	6.768409	5.822778	0.1039803			15	
Xylenes (total)	1.589343	8.838143	0	0			15	
Dibromofluoromethane	0.2932159	4.427291	6.893333	0.0409069			15	
1,2-Dichloroethane-d4	0.059471	4.368149	7.391111	4.109608E-02			15	
Toluene-d8	2.056027	5.771716	9.617222	3.111463E-02			15	
tert-Amyl alcohol	1.751761E-02	4.453294	7.088	8.142149E-02			15	
tert-Amyl ethyl ether	0.6737656	4.880926	8.727444	6.940179E-02			15	

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_012	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1138001		Instrument:	MS-VOA4	
Matrix:	Water		Calibration Dates:	3/22/11 12:12	5/15/11 2:45

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	0.2924257	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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1138001	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	3/22/11 12:12 5/15/11 2:45

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
1,3-Dichloropropene (total)	1	0.2727491	2	0.2949519	4	0.3110932	10	0.3175242	20	0.3446152	100	0.3259647
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	0.4094467	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												

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1138001	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	3/22/11_12:12 5/15/11_2:45

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
Methyl t-Butyl Ether	0.5	0.5364484	1	0.6012889	2	0.5755173	5	0.5589447	10	0.6255618	50	0.5920784
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-trifluoroethan	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	0.2209447	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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1138001	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	3/22/11 12:12 5/15/11 2:45

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	~~0.1489637~~	2	0.112939	4	9.700172E-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	0.9189959	30	0.8839847	40	0.8312673
n-Butylbenzene	100	1.16328	150	1.12078	200	1.169286						
2-Butanone							1		2	0.0807799	4	8.966482E-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	0.1352939	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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1138001	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	3/22/11 12:12 5/15/11 2:45

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	0.241919	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						
1,3-Dichloropropene (total)	200	0.3454146	300	0.3283516	400	0.3339408						
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		2	0.275398	4	0.2895129
Iodomethane	100	0.4865004	150	0.4643857	200	0.4874609						
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	0.1549083	2	0.1618783	4	0.20827

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1138001	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	3/22/11 12:12 5/15/11 2:45

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
Methyl t-Butyl Ether	100	0.6277299	150	0.6282743	200	0.6196955						
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-trifluoroethar	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	0.3458927	30	0.346849	40	0.3466943
1,2-Dichloroethane-d4							30	6.791369E-02	30	6.236361E-02	40	6.538385E-02
Toluene-d8							30	2.319706	30	2.34671	40	2.037838
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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1138001	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	3/22/11 12:12 5/15/11 2:45

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	9.715144E-02	20	0.1013435	100	9.061883E-02	200	9.899065E-02	300	0.1020351	400	0.1006444
Acrolein												
Acrylonitrile												
Benzene												
Bromobenzene												
Bromochloromethane												
Tert-Amyl Methyl Ether												
Bromodichloromethane												
Bromoform												
Bromomethane												
Bromofluorobenzene	50	0.858664	60	0.8508423	70	0.7826392	30	0.9159961	30	0.8526288	30	0.9165511
n-Butylbenzene												
2-Butanone	10	0.1021253	20	0.1230264	100	0.1200678	200	0.1419941	300	0.1496492	400	0.1448414
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_012	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1138001	Instrument:	MS-VOA4	
Matrix:	Water	Calibration Dates:	3/22/11 12:12	5/15/11 2:45

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												
1,3-Dichloropropene (total)												
Diisopropyl Ether												
Ethylbenzene												
Ethyl tert-Butyl Ether												
Ethyl Methacrylate												
Hexachlorobutadiene												
2-Hexanone	10	0.3469095	20	0.3880003	100	0.3649097	200	0.4257131	300	0.3929408	400	0.400518
Iodomethane												
Isopropylbenzene												
p-Isopropyltoluene												
Methylene chloride												
Methyl Acetate												
Methylcyclohexane												
Naphthalene												
Methyl Methacrylate												
4-Methyl-2-pentanone	10	0.2186943	20	0.2562449	100	0.2431369	200	0.2705629	300	0.2709883	400	0.2513437

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1138001	Instrument:	MS-VOA4	
Matrix:	Water	Calibration Dates:	3/22/11 12:12	5/15/11 2:45

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
Methyl t-Butyl Ether												
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-trifluoroethar												
Vinyl chloride												
m,p-Xylene												
o-Xylene												
Vinyl acetate												
Xylenes (total)												
Dibromofluoromethane	50	0.3432064	60	0.3559856	70	0.3209298	30	0.3529191	30	0.3653124	30	0.367858
1,2-Dichloroethane-d4	50	6.683307E-02	60	6.268118E-02	70	5.955424E-02	30	6.929512E-02	30	7.018749E-02	30	6.490852E-02
Toluene-d8	50	2.033823	60	1.972066	70	1.862764	30	2.208291	30	2.148549	30	2.188008
tert-Amyl alcohol												
tert-Amyl ethyl ether												

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1138001	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	3/22/11 12:12 5/15/11 2:45

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_012	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1138001		Instrument:	MS-VOA4	
Matrix:	Water		Calibration Dates:	3/22/11 12:12	5/15/11 2:45

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												
1,3-Dichloropropene (total)												
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												

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1138001	Instrument:	MS-VOA4	
Matrix:	Water	Calibration Dates:	3/22/11 12:12	5/15/11 2:45

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
Methyl t-Butyl Ether												
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_012	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1138001	Instrument:	MS-VOA4	
Matrix:	Water	Calibration Dates:	3/22/11 12:12	5/15/11 2:45

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_012	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1138001	Instrument:	MS-VOA4	
Matrix:	Water	Calibration Dates:	3/22/11 12:12	5/15/11 2:45

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												
1,3-Dichloropropene (total)												
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												

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1138001	Instrument:	MS-VOA4	
Matrix:	Water	Calibration Dates:	3/22/11 12:12	5/15/11 2:45

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
Methyl t-Butyl Ether												
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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1138001	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	3/22/11 12:12 5/15/11 2:45

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acetone	0.1000906	6.317056	4.791625	0.1095724			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	3.338862	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	0.8679522	5.275129	16.456	3.957596E-02			15	
n-Butylbenzene	1.150237	5.314464	17.69211	1.288763E-02			15	
2-Butanone	0.1190186	21.90828	7.81375	0.2566096	0.9980887		0.995	
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_012		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	1138001	Instrument:	MS-VOA4		
Matrix:	Water	Calibration Dates:	3/22/11 12:12	5/15/11 2:45	

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	7.777915	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	
1,3-Dichloropropene (total)	0.3194006	7.420356	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	0.3604878	14.88271	14.47375	6.950467E-02			15	
Iodomethane	0.3888302	22.59283	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	0.2262253	19.39016	13.53378	6.432554E-02	0.9975195		0.995	
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	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	1138001	Instrument:	MS-VOA4		
Matrix:	Water	Calibration Dates:	3/22/11 12:12	5/15/11 2:45	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Styrene	1.638556	7.31779	16.08856	1.029711E-02			15	
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	7.278473	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	16.44563	7.1815	0.1221153	0.9992009		0.995	
Xylenes (total)	1.798705	8.683755	0	0			15	
Dibromofluoromethane	0.3495164	3.949691	8.851444	4.180338E-02			15	
1,2-Dichloroethane-d4	6.545786E-02	5.332213	10.09	6.147292E-02			15	
Toluene-d8	2.124195	7.565084	14.13133	3.514827E-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_012
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_012
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_012
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_012
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
Bromofluorobenzene	A	30.00	30.84	0.9203766	0.9461547		2.8	20
Dibromofluoromethane	A	30.00	31.33	0.3125949	0.3264507		4.4	20
1,2-Dichloroethane-d4	A	30.00	31.60	6.398003E-02	6.738895E-02		5.3	20
Toluene-d8	A	30.00	30.32	2.337958	2.362862		1.1	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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	1110001
Lab File ID:	0415ICV2.D	Calibration Date:	04/15/11 09:53
Sequence:	1D10810	Injection Date:	04/15/11
Lab Sample ID:	1D10810-ICV2	Injection Time:	14:01

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Benzene	A	100.0	101.0	0.8165687	0.824451		1.0	20
Bromobenzene	A	100.0	103.1	0.622891	0.6420056		3.1	20
Bromochloromethane	A	100.0	104.8	0.1322805	0.1386195		4.8	20
Bromodichloromethane	A	100.0	107.1	0.3200121	0.3427536		7.1	20
Bromoform	A	100.0	108.2	0.3605704	0.3900612	0.1	8.2	20
Bromomethane	L	100.0	96.76	0.2069788	0.2391732		-3.2	20
n-Butylbenzene	A	100.0	100.1	1.504611	1.505666		0.07	20
sec-Butylbenzene	A	100.0	99.74	1.956089	1.950953		-0.3	20
tert-Butylbenzene	A	100.0	101.4	1.609584	1.63259		1.4	20
Carbon disulfide	A	100.0	106.3	0.6773833	0.7200851		6.3	20
Carbon tetrachloride	A	100.0	107.2	0.2397952	0.2570399		7.2	20
Chlorobenzene	A	100.0	101.7	1.27837	1.300708	0.3	1.7	20
Chloroethane	A	100.0	93.79	0.2523708	0.2366934		-6.2	20
Chloroform	A	100.0	98.98	0.4294733	0.4250874		-1.0	20
Chloromethane	A	100.0	109.4	0.4745789	0.5191108	0.1	9.4	20
2-Chlorotoluene	A	100.0	100.5	1.535306	1.542716		0.5	20
4-Chlorotoluene	A	100.0	103.1	1.734834	1.787788		3.1	20
Dibromochloromethane	A	100.0	106.8	0.5303833	0.5662585		6.8	20
1,2-Dibromo-3-chloropropane	A	100.0	109.5	0.1125661	0.1232466		9.5	20
1,2-Dibromoethane (EDB)	A	100.0	99.56	0.5576892	0.5552454		-0.4	20
Dibromomethane	A	100.0	107.9	0.1598632	0.172451		7.9	20
1,2-Dichlorobenzene	A	100.0	102.7	0.9737531	1.0004		2.7	20
1,3-Dichlorobenzene	A	100.0	97.34	1.069325	1.040926		-2.7	20
1,4-Dichlorobenzene	A	100.0	95.30	1.125829	1.072881		-4.7	20
Dichlorodifluoromethane	L	100.0	118.6	0.2985279	0.3640635		18.6	20
1,1-Dichloroethane	A	100.0	102.7	0.4614852	0.4740397	0.1	2.7	20
1,2-Dichloroethane	A	100.0	104.8	0.3353382	0.351463		4.8	20
1,1-Dichloroethene	A	100.0	99.74	0.2191262	0.2185616		-0.3	20
cis-1,2-Dichloroethene	A	100.0	98.50	0.2631228	0.2591797		-1.5	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	1110001
Lab File ID:	0415ICV2.D	Calibration Date:	04/15/11 09:53
Sequence:	1D10810	Injection Date:	04/15/11
Lab Sample ID:	1D10810-ICV2	Injection Time:	14:01

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
trans-1,2-Dichloroethene	A	100.0	99.02	0.2436546	0.241263		-1.0	20
1,2-Dichloropropane	A	100.0	100.1	0.2855651	0.2858466		0.1	20
1,3-Dichloropropane	A	100.0	98.50	0.8114537	0.7992979		-1.5	20
2,2-Dichloropropane	A	100.0	96.05	0.3095193	0.2972889		-4.0	20
1,1-Dichloropropene	A	100.0	103.4	0.3108414	0.3214466		3.4	20
cis-1,3-Dichloropropene	A	100.0	100.3	0.3753906	0.3764082		0.3	20
trans-1,3-Dichloropropene	A	100.0	117.0	0.7331598	0.8574418		17.0	20
Ethylbenzene	A	100.0	99.98	2.034033	2.033602		-0.02	20
Hexachlorobutadiene	A	100.0	96.78	0.2336594	0.2261327		-3.2	20
Isopropylbenzene	A	100.0	106.1	1.559553	1.654837		6.1	20
p-Isopropyltoluene	A	100.0	103.3	1.67706	1.733075		3.3	20
Methylene chloride	A	100.0	101.1	0.2560903	0.2589239		1.1	20
Naphthalene	A	100.0	100.6	1.327067	1.334716		0.6	20
Methyl t-Butyl Ether	A	100.0	107.3	0.5601073	0.6009371		7.3	20
n-Propylbenzene	A	100.0	99.75	2.48505	2.47879		-0.3	20
Styrene	A	100.0	103.7	1.314151	1.362554		3.7	20
1,1,2,2-Tetrachloroethane	A	100.0	99.25	0.7120744	0.7067488	0.3	-0.7	20
1,1,1,2-Tetrachloroethane	A	100.0	105.4	0.4766101	0.50231		5.4	20
Tetrachloroethene	A	100.0	105.7	0.4624975	0.488637		5.7	20
Toluene	A	100.0	100.4	1.118865	1.123341		0.4	20
1,2,3-Trichlorobenzene	A	100.0	100.2	0.510204	0.5110584		0.2	20
1,2,4-Trichlorobenzene	A	100.0	94.82	0.5978181	0.5668317		-5.2	20
1,1,2-Trichloroethane	A	100.0	93.72	0.4520995	0.4236851		-6.3	20
1,1,1-Trichloroethane	A	100.0	101.5	0.3137102	0.3183372		1.5	20
Trichloroethene	A	100.0	104.8	0.2384711	0.2498765		4.8	20
Trichlorofluoromethane	A	100.0	102.4	0.4040041	0.4136587		2.4	20
1,2,3-Trichloropropane	A	100.0	97.79	0.1604519	0.1569078		-2.2	20
1,3,5-Trimethylbenzene	A	100.0	97.87	1.631689	1.597009		-2.1	20
1,2,4-Trimethylbenzene	A	100.0	100.5	1.658949	1.66648		0.5	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	1110001
Lab File ID:	0415ICV2.D	Calibration Date:	04/15/11 09:53
Sequence:	1D10810	Injection Date:	04/15/11
Lab Sample ID:	1D10810-ICV2	Injection Time:	14:01

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Vinyl chloride	Q	100.0	102.4	0.3152422	0.2413318		2.4	20
m,p-Xylene	A	200.0	201.0	1.557766	1.565944		0.5	20
o-Xylene	A	100.0	97.88	1.652495	1.617519		-2.1	20
Bromofluorobenzene	A	30.00	29.40	0.8430908	0.8261078		-2.0	20
Dibromofluoromethane	A	30.00	31.09	0.2932159	0.3038724		3.6	20
1,2-Dichloroethane-d4	A	30.00	31.37	0.059471	6.218618E-02		4.6	20
Toluene-d8	A	30.00	29.51	2.056027	2.022546		-1.6	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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	1110001
Lab File ID:	0415ICV4.D	Calibration Date:	04/15/11 09:53
Sequence:	1D10810	Injection Date:	04/15/11
Lab Sample ID:	1D10810-ICV4	Injection Time:	18:35

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetone	A	200.0	193.8	0.095435	9.246636E-02		-3.1	20
2-Butanone	A	200.0	193.5	0.1381845	0.1336721		-3.3	20
2-Hexanone	A	200.0	191.1	0.4812427	0.4599205		-4.4	20
4-Methyl-2-pentanone	A	200.0	202.1	0.2783504	0.2812516		1.0	20
Bromofluorobenzene	A	30.00	30.34	0.8430908	0.8527844		1.1	20
Dibromofluoromethane	A	30.00	30.47	0.2932159	0.2978434		1.6	20
1,2-Dichloroethane-d4	A	30.00	30.34	0.059471	6.014053E-02		1.1	20
Toluene-d8	A	30.00	30.96	2.056027	2.121687		3.2	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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1138001
Lab File ID:	0322ICV2.D	Calibration Date:	03/22/11 12:12
Sequence:	1E13705	Injection Date:	03/22/11
Lab Sample ID:	1E13705-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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1138001
Lab File ID:	0322ICV2.D	Calibration Date:	03/22/11 12:12
Sequence:	1E13705	Injection Date:	03/22/11
Lab Sample ID:	1E13705-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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1138001
Lab File ID:	0322ICV2.D	Calibration Date:	03/22/11 12:12
Sequence:	1E13705	Injection Date:	03/22/11
Lab Sample ID:	1E13705-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	32.89	0.8679522	0.9515789		9.6	20
Dibromofluoromethane	A	30.00	27.25	0.3495164	0.3174666		-9.2	20
1,2-Dichloroethane-d4	A	30.00	29.90	6.545786E-02	6.524683E-02		-0.3	20
Toluene-d8	A	30.00	35.46	2.124195	2.511083		18.2	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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1138001
Lab File ID:	SEQ-ICV4.D	Calibration Date:	03/22/11 12:12
Sequence:	1E13705	Injection Date:	05/15/11
Lab Sample ID:	1E13705-ICV4	Injection Time:	03:44

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetone	A	200.0	214.1	0.1000906	0.1071291		7.0	20
2-Butanone	L	200.0	198.7	0.1190186	0.143102		-0.7	20
2-Hexanone	A	200.0	236.5	0.3604878	0.4261927		18.2	20
4-Methyl-2-pentanone	L	200.0	207.5	0.2262253	0.2694863		3.8	20
Bromofluorobenzene	A	30.00	33.70	0.8679522	0.9750915		12.3	20
Dibromofluoromethane	A	30.00	30.88	0.3495164	0.3597883		2.9	20
1,2-Dichloroethane-d4	A	30.00	30.46	6.545786E-02	0.0664551		1.5	20
Toluene-d8	A	30.00	31.48	2.124195	2.229011		4.9	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1084001
Lab File ID:	0512CCV1.D	Calibration Date:	03/22/11 12:12
Sequence:	1E13311	Injection Date:	05/12/11
Lab Sample ID:	1E13311-CCV1	Injection Time:	08:00

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	246.8	7.581725E-02	9.357731E-02		23.4	20 *
Benzene	A	100.0	110.6	0.8598124	0.9506157		10.6	20
Bromobenzene	A	100.0	99.01	0.7031528	0.6962027		-1.0	20
Bromochloromethane	A	100.0	109.3	0.1571874	0.1718833		9.3	20
Bromodichloromethane	A	100.0	112.2	0.2975079	0.3339155		12.2	20
Bromoform	A	100.0	97.17	0.6079959	0.590804	0.1	-2.8	20
Bromomethane	A	100.0	113.4	0.1697082	0.1923949		13.4	20
n-Butylbenzene	A	100.0	100.7	1.150237	1.158264		0.7	20
2-Butanone	A	200.0	316.1	0.1038089	0.1640807		58.1	20 *
sec-Butylbenzene	A	100.0	106.2	1.609253	1.709214		6.2	20
tert-Butylbenzene	A	100.0	102.4	1.130788	1.158533		2.5	20
Carbon disulfide	A	100.0	113.1	0.7726197	0.8740188		13.1	20
Carbon tetrachloride	A	100.0	113.7	0.2679136	0.3047133		13.7	20
Chlorobenzene	A	100.0	99.66	1.626743	1.621288	0.3	-0.3	20
Chloroethane	A	100.0	120.2	0.136575	0.1641908		20.2	20 *
Chloroform	A	100.0	111.0	0.4102609	0.4555489		11.0	20
Chloromethane	A	100.0	106.5	0.2276648	0.2425683	0.1	6.5	20
2-Chlorotoluene	A	100.0	106.2	1.343142	1.426081		6.2	20
4-Chlorotoluene	A	100.0	106.0	1.357899	1.439825		6.0	20
Dibromochloromethane	A	100.0	106.0	0.7343881	0.7787912		6.0	20
1,2-Dibromo-3-chloropropane	A	100.0	104.1	0.1573495	0.1637601		4.1	20
1,2-Dibromoethane (EDB)	A	100.0	102.1	0.6906692	0.7053519		2.1	20
Dibromomethane	A	100.0	114.8	0.1768221	0.2029591		14.8	20
1,2-Dichlorobenzene	A	100.0	100.3	1.056748	1.060396		0.3	20
1,3-Dichlorobenzene	A	100.0	105.3	1.094328	1.152496		5.3	20
1,4-Dichlorobenzene	A	100.0	102.6	1.157104	1.187345		2.6	20
Dichlorodifluoromethane	L	100.0	100.2	0.224461	0.2364584		0.2	20
1,1-Dichloroethane	A	100.0	118.4	0.4233929	0.5014775	0.1	18.4	20
1,2-Dichloroethane	A	100.0	117.9	0.2732127	0.3221229		17.9	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1084001
Lab File ID:	0512CCV1.D	Calibration Date:	03/22/11 12:12
Sequence:	1E13311	Injection Date:	05/12/11
Lab Sample ID:	1E13311-CCV1	Injection Time:	08:00

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	112.8	0.2255965	0.2545594		12.8	20
cis-1,2-Dichloroethene	A	100.0	113.9	0.2774913	0.316068		13.9	20
trans-1,2-Dichloroethene	A	100.0	106.4	0.2597497	0.2764912		6.4	20
1,2-Dichloropropane	A	100.0	117.9	0.2331725	0.2749408		17.9	20
1,3-Dichloropropane	A	100.0	104.7	0.9185418	0.961985		4.7	20
2,2-Dichloropropane	A	100.0	123.4	0.2659142	0.3281794		23.4	20 *
1,1-Dichloropropene	A	100.0	114.6	0.2914419	0.333999		14.6	20
cis-1,3-Dichloropropene	A	100.0	118.8	0.3482888	0.4138098		18.8	20
trans-1,3-Dichloropropene	A	100.0	111.5	0.7769797	0.866279		11.5	20
Ethylbenzene	A	100.0	96.28	2.383883	2.295333		-3.7	20
Hexachlorobutadiene	A	100.0	86.74	0.2603432	0.2258356		-13.3	20
2-Hexanone	A	200.0	275.1	0.3551468	0.4885465		37.6	20 *
Isopropylbenzene	A	100.0	99.44	1.917265	1.906607		-0.6	20
p-Isopropyltoluene	A	100.0	102.9	1.255108	1.291651		2.9	20
Methylene chloride	A	100.0	109.2	0.2879524	0.3145578		9.2	20
Naphthalene	A	100.0	82.61	1.417306	1.1708		-17.4	20
4-Methyl-2-pentanone	A	200.0	268.4	0.2009551	0.2696778		34.2	20 *
Methyl t-Butyl Ether	A	100.0	116.2	0.596171	0.6927645		16.2	20
n-Propylbenzene	A	100.0	108.7	2.001293	2.174879		8.7	20
Styrene	A	100.0	104.6	1.638556	1.713228		4.6	20
1,1,2,2-Tetrachloroethane	A	100.0	98.60	0.6466982	0.6376244	0.3	-1.4	20
1,1,1,2-Tetrachloroethane	A	100.0	99.40	0.6133557	0.6096641		-0.6	20
Tetrachloroethene	A	100.0	92.82	0.7309561	0.6785088		-7.2	20
Toluene	A	100.0	104.0	1.363325	1.417548		4.0	20
1,2,3-Trichlorobenzene	A	100.0	86.28	0.6001166	0.5177549		-13.7	20
1,2,4-Trichlorobenzene	A	100.0	85.98	0.6583787	0.5660997		-14.0	20
1,1,2-Trichloroethane	A	100.0	102.3	0.5040212	0.5155396		2.3	20
1,1,1-Trichloroethane	A	100.0	112.6	0.3016893	0.3396615		12.6	20
Trichloroethene	A	100.0	110.1	0.238184	0.2621683		10.1	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1084001
Lab File ID:	0512CCV1.D	Calibration Date:	03/22/11 12:12
Sequence:	1E13311	Injection Date:	05/12/11
Lab Sample ID:	1E13311-CCV1	Injection Time:	08:00

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	115.6	0.339243	0.3923178		15.6	20
1,2,3-Trichloropropane	A	100.0	109.4	0.1954897	0.2139654		9.5	20
1,3,5-Trimethylbenzene	A	100.0	107.7	1.339339	1.442942		7.7	20
1,2,4-Trimethylbenzene	A	100.0	99.26	1.433776	1.423117		-0.7	20
Vinyl chloride	A	100.0	82.61	0.1940212	0.1602877		-17.4	20
m,p-Xylene	A	200.0	191.5	1.742223	1.667885		-4.3	20
o-Xylene	A	100.0	93.74	1.91167	1.791977		-6.3	20
Bromofluorobenzene	A	30.00	30.95	0.9203766	0.9496662		3.2	20
Dibromofluoromethane	A	30.00	31.98	0.3125949	0.3331883		6.6	20
1,2-Dichloroethane-d4	A	30.00	33.36	6.398003E-02	7.114418E-02		11.2	20
Toluene-d8	A	30.00	30.06	2.337958	2.342864		0.2	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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1084001
Lab File ID:	0513CCV1.D	Calibration Date:	03/22/11 12:12
Sequence:	1E13402	Injection Date:	05/13/11
Lab Sample ID:	1E13402-CCV1	Injection Time:	09:25

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	268.6	7.581725E-02	0.1018399		34.3	20 *
Benzene	A	100.0	111.7	0.8598124	0.9608283		11.7	20
Bromobenzene	A	100.0	100.4	0.7031528	0.7062693		0.4	20
Bromochloromethane	A	100.0	108.2	0.1571874	0.1700515		8.2	20
Bromodichloromethane	A	100.0	120.0	0.2975079	0.3569946		20.0	20
Bromoform	A	100.0	92.81	0.6079959	0.5642646	0.1	-7.2	20
Bromomethane	A	100.0	113.4	0.1697082	0.1924906		13.4	20
n-Butylbenzene	A	100.0	109.9	1.150237	1.264574		9.9	20
2-Butanone	A	200.0	308.3	0.1038089	0.1600306		54.2	20 *
sec-Butylbenzene	A	100.0	111.5	1.609253	1.794021		11.5	20
tert-Butylbenzene	A	100.0	108.0	1.130788	1.220737		8.0	20
Carbon disulfide	A	100.0	114.1	0.7726197	0.8817051		14.1	20
Carbon tetrachloride	A	100.0	118.0	0.2679136	0.3162662		18.0	20
Chlorobenzene	A	100.0	96.43	1.626743	1.568745	0.3	-3.6	20
Chloroethane	A	100.0	113.9	0.136575	0.1556031		13.9	20
Chloroform	A	100.0	114.4	0.4102609	0.4694565		14.4	20
Chloromethane	A	100.0	116.2	0.2276648	0.2645742	0.1	16.2	20
2-Chlorotoluene	A	100.0	112.4	1.343142	1.509515		12.4	20
4-Chlorotoluene	A	100.0	118.6	1.357899	1.610548		18.6	20
Dibromochloromethane	A	100.0	101.9	0.7343881	0.7484484		1.9	20
1,2-Dibromo-3-chloropropane	A	100.0	100.5	0.1573495	0.158089		0.5	20
1,2-Dibromoethane (EDB)	A	100.0	102.5	0.6906692	0.7080781		2.5	20
Dibromomethane	A	100.0	114.6	0.1768221	0.202676		14.6	20
1,2-Dichlorobenzene	A	100.0	98.24	1.056748	1.038104		-1.8	20
1,3-Dichlorobenzene	A	100.0	108.4	1.094328	1.18687		8.5	20
1,4-Dichlorobenzene	A	100.0	95.39	1.157104	1.10379		-4.6	20
Dichlorodifluoromethane	L	100.0	110.4	0.224461	0.2605933		10.4	20
1,1-Dichloroethane	A	100.0	120.1	0.4233929	0.5086306	0.1	20.1	20 *
1,2-Dichloroethane	A	100.0	127.5	0.2732127	0.3482923		27.5	20 *

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1084001
Lab File ID:	0513CCV1.D	Calibration Date:	03/22/11 12:12
Sequence:	1E13402	Injection Date:	05/13/11
Lab Sample ID:	1E13402-CCV1	Injection Time:	09:25

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	110.4	0.2255965	0.2491325		10.4	20
cis-1,2-Dichloroethene	A	100.0	110.5	0.2774913	0.3067567		10.5	20
trans-1,2-Dichloroethene	A	100.0	111.0	0.2597497	0.2882263		11.0	20
1,2-Dichloropropane	A	100.0	119.4	0.2331725	0.2783287		19.4	20
1,3-Dichloropropane	A	100.0	100.4	0.9185418	0.9221845		0.4	20
2,2-Dichloropropane	A	100.0	134.7	0.2659142	0.3581443		34.7	20 *
1,1-Dichloropropene	A	100.0	120.5	0.2914419	0.35109		20.5	20 *
cis-1,3-Dichloropropene	A	100.0	124.4	0.3482888	0.4331485		24.4	20 *
trans-1,3-Dichloropropene	A	100.0	111.9	0.7769797	0.8694425		11.9	20
Ethylbenzene	A	100.0	96.29	2.383883	2.295359		-3.7	20
Hexachlorobutadiene	A	100.0	92.39	0.2603432	0.2405346		-7.6	20
2-Hexanone	A	200.0	275.0	0.3551468	0.4883711		37.5	20 *
Isopropylbenzene	A	100.0	94.66	1.917265	1.814867		-5.3	20
p-Isopropyltoluene	A	100.0	111.3	1.255108	1.396584		11.3	20
Methylene chloride	A	100.0	114.2	0.2879524	0.3287084		14.2	20
Naphthalene	A	100.0	89.17	1.417306	1.26384		-10.8	20
4-Methyl-2-pentanone	A	200.0	288.4	0.2009551	0.2897612		44.2	20 *
Methyl t-Butyl Ether	A	100.0	117.7	0.596171	0.7019044		17.7	20
n-Propylbenzene	A	100.0	108.9	2.001293	2.179903		8.9	20
Styrene	A	100.0	99.00	1.638556	1.622134		-1.0	20
1,1,2,2-Tetrachloroethane	A	100.0	99.98	0.6466982	0.6465918	0.3	-0.02	20
1,1,1,2-Tetrachloroethane	A	100.0	98.41	0.6133557	0.603596		-1.6	20
Tetrachloroethene	A	100.0	88.79	0.7309561	0.6489997		-11.2	20
Toluene	A	100.0	97.16	1.363325	1.324589		-2.8	20
1,2,3-Trichlorobenzene	A	100.0	87.05	0.6001166	0.5224073		-12.9	20
1,2,4-Trichlorobenzene	A	100.0	84.48	0.6583787	0.5562213		-15.5	20
1,1,2-Trichloroethane	A	100.0	98.12	0.5040212	0.4945699		-1.9	20
1,1,1-Trichloroethane	A	100.0	119.2	0.3016893	0.3596664		19.2	20
Trichloroethene	A	100.0	115.8	0.238184	0.275838		15.8	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1084001
Lab File ID:	0513CCV1.D	Calibration Date:	03/22/11 12:12
Sequence:	1E13402	Injection Date:	05/13/11
Lab Sample ID:	1E13402-CCV1	Injection Time:	09:25

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	124.2	0.339243	0.421377		24.2	20 *
1,2,3-Trichloropropane	A	100.0	104.2	0.1954897	0.2037777		4.2	20
1,3,5-Trimethylbenzene	A	100.0	113.3	1.339339	1.517914		13.3	20
1,2,4-Trimethylbenzene	A	100.0	113.0	1.433776	1.619865		13.0	20
Vinyl chloride	A	100.0	87.67	0.1940212	0.1701019		-12.3	20
m,p-Xylene	A	200.0	197.2	1.742223	1.717652		-1.4	20
o-Xylene	A	100.0	94.09	1.91167	1.798621		-5.9	20
Bromofluorobenzene	A	30.00	30.58	0.9203766	0.9383381		2.0	20
Dibromofluoromethane	A	30.00	32.49	0.3125949	0.3385256		8.3	20
1,2-Dichloroethane-d4	A	30.00	32.37	6.398003E-02	6.903468E-02		7.9	20
Toluene-d8	A	30.00	29.34	2.337958	2.28683		-2.2	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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	1110001
Lab File ID:	0517CC1.D	Calibration Date:	04/15/11 09:53
Sequence:	1E13807	Injection Date:	05/17/11
Lab Sample ID:	1E13807-CCV1	Injection Time:	09:45

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	195.8	0.095435	9.344799E-02		-2.1	20
Benzene	A	100.0	107.3	0.8165687	0.8758931		7.3	20
Bromobenzene	A	100.0	100.8	0.622891	0.6275795		0.8	20
Bromochloromethane	A	100.0	99.79	0.1322805	0.1320085		-0.2	20
Bromodichloromethane	A	100.0	97.92	0.3200121	0.3133571		-2.1	20
Bromoform	A	100.0	95.97	0.3605704	0.3460494	0.1	-4.0	20
Bromomethane	L	100.0	101.0	0.2069788	0.2498674		1.0	20
n-Butylbenzene	A	100.0	100.8	1.504611	1.517098		0.8	20
2-Butanone	A	200.0	203.5	0.1381845	0.1405771		1.7	20
sec-Butylbenzene	A	100.0	99.76	1.956089	1.95151		-0.2	20
tert-Butylbenzene	A	100.0	101.2	1.609584	1.628223		1.2	20
Carbon disulfide	A	100.0	106.2	0.6773833	0.7197019		6.2	20
Carbon tetrachloride	A	100.0	99.11	0.2397952	0.237671		-0.9	20
Chlorobenzene	A	100.0	97.39	1.27837	1.245052	0.3	-2.6	20
Chloroethane	A	100.0	100.5	0.2523708	0.2537481		0.5	20
Chloroform	A	100.0	95.99	0.4294733	0.4122694		-4.0	20
Chloromethane	A	100.0	100.1	0.4745789	0.4752533	0.1	0.1	20
2-Chlorotoluene	A	100.0	100.3	1.535306	1.539878		0.3	20
4-Chlorotoluene	A	100.0	103.2	1.734834	1.790367		3.2	20
Dibromochloromethane	A	100.0	97.23	0.5303833	0.515714		-2.8	20
1,2-Dibromo-3-chloropropane	A	100.0	98.71	0.1125661	0.1111138		-1.3	20
1,2-Dibromoethane (EDB)	A	100.0	95.60	0.5576892	0.5331592		-4.4	20
Dibromomethane	A	100.0	103.9	0.1598632	0.1661702		3.9	20
1,2-Dichlorobenzene	A	100.0	99.31	0.9737531	0.967081		-0.7	20
1,3-Dichlorobenzene	A	100.0	95.28	1.069325	1.018803		-4.7	20
1,4-Dichlorobenzene	A	100.0	91.47	1.125829	1.029754		-8.5	20
Dichlorodifluoromethane	L	100.0	83.56	0.2985279	0.2567019		-16.4	20
1,1-Dichloroethane	A	100.0	104.7	0.4614852	0.483132	0.1	4.7	20
1,2-Dichloroethane	A	100.0	100.4	0.3353382	0.3366052		0.4	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	1110001
Lab File ID:	0517CC1.D	Calibration Date:	04/15/11 09:53
Sequence:	1E13807	Injection Date:	05/17/11
Lab Sample ID:	1E13807-CCV1	Injection Time:	09:45

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	100.0	0.2191262	0.2192018		0.03	20
cis-1,2-Dichloroethene	A	100.0	97.92	0.2631228	0.2576491		-2.1	20
trans-1,2-Dichloroethene	A	100.0	97.09	0.2436546	0.236569		-2.9	20
1,2-Dichloropropane	A	100.0	104.1	0.2855651	0.2973208		4.1	20
1,3-Dichloropropane	A	100.0	93.97	0.8114537	0.7625429		-6.0	20
2,2-Dichloropropane	A	100.0	101.2	0.3095193	0.3133651		1.2	20
1,1-Dichloropropene	A	100.0	99.61	0.3108414	0.3096274		-0.4	20
cis-1,3-Dichloropropene	A	100.0	102.9	0.3753906	0.3864577		2.9	20
trans-1,3-Dichloropropene	A	100.0	103.1	0.7331598	0.7559923		3.1	20
Ethylbenzene	A	100.0	98.60	2.034033	2.005495		-1.4	20
Hexachlorobutadiene	A	100.0	85.36	0.2336594	0.1994471		-14.6	20
2-Hexanone	A	200.0	173.3	0.4812427	0.4170265		-13.3	20
Isopropylbenzene	A	100.0	98.07	1.559553	1.529422		-1.9	20
p-Isopropyltoluene	A	100.0	98.67	1.67706	1.654768		-1.3	20
Methylene chloride	A	100.0	102.4	0.2560903	0.262165		2.4	20
Naphthalene	A	100.0	86.30	1.327067	1.1453		-13.7	20
4-Methyl-2-pentanone	A	200.0	197.1	0.2783504	0.2742976		-1.5	20
Methyl t-Butyl Ether	A	100.0	107.4	0.5601073	0.6018292		7.4	20
n-Propylbenzene	A	100.0	101.0	2.48505	2.510447		1.0	20
Styrene	A	100.0	99.65	1.314151	1.309577		-0.3	20
1,1,2,2-Tetrachloroethane	A	100.0	100.3	0.7120744	0.7143706	0.3	0.3	20
1,1,1,2-Tetrachloroethane	A	100.0	98.08	0.4766101	0.4674861		-1.9	20
Tetrachloroethene	A	100.0	98.29	0.4624975	0.4546066		-1.7	20
Toluene	A	100.0	97.90	1.118865	1.09534		-2.1	20
1,2,3-Trichlorobenzene	A	100.0	89.56	0.510204	0.4569335		-10.4	20
1,2,4-Trichlorobenzene	A	100.0	91.62	0.5978181	0.5477546		-8.4	20
1,1,2-Trichloroethane	A	100.0	93.37	0.4520995	0.4221253		-6.6	20
1,1,1-Trichloroethane	A	100.0	93.21	0.3137102	0.2924127		-6.8	20
Trichloroethene	A	100.0	102.4	0.2384711	0.2443269		2.5	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	1110001
Lab File ID:	0517CC1.D	Calibration Date:	04/15/11 09:53
Sequence:	1E13807	Injection Date:	05/17/11
Lab Sample ID:	1E13807-CCV1	Injection Time:	09:45

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	97.59	0.4040041	0.3942628		-2.4	20
1,2,3-Trichloropropane	A	100.0	89.17	0.1604519	0.1430696		-10.8	20
1,3,5-Trimethylbenzene	A	100.0	99.99	1.631689	1.631512		-0.01	20
1,2,4-Trimethylbenzene	A	100.0	99.89	1.658949	1.65709		-0.1	20
Vinyl chloride	Q	100.0	72.52	0.3152422	0.1857491		-27.5	20 *
m,p-Xylene	A	200.0	197.4	1.557766	1.537585		-1.3	20
o-Xylene	A	100.0	95.98	1.652495	1.586086		-4.0	20
Bromofluorobenzene	A	30.00	28.73	0.8430908	0.8073509		-4.2	20
Dibromofluoromethane	A	30.00	30.17	0.2932159	0.2949083		0.6	20
1,2-Dichloroethane-d4	A	30.00	32.16	0.059471	6.374917E-02		7.2	20
Toluene-d8	A	30.00	28.06	2.056027	1.923109		-6.5	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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1138001
Lab File ID:	0517CCV1.D	Calibration Date:	03/22/11 12:12
Sequence:	1E13808	Injection Date:	05/17/11
Lab Sample ID:	1E13808-CCV1	Injection Time:	07:21

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	200.0	182.7	0.1000906	9.141646E-02		-8.7	20	
Benzene	A	100.0	106.5	0.8598124	0.9155142		6.5	20	
Bromobenzene	A	100.0	96.06	0.7031528	0.675421		-3.9	20	
Bromochloromethane	A	100.0	103.4	0.1571874	0.1625494		3.4	20	
Bromodichloromethane	A	100.0	124.6	0.2975079	0.3708128		24.6	20	*
Bromoform	A	100.0	81.08	0.6079959	0.4929927	0.1	-18.9	20	
Bromomethane	A	100.0	105.2	0.1697082	0.1785324		5.2	20	
n-Butylbenzene	A	100.0	111.7	1.150237	1.285329		11.7	20	
2-Butanone	L	200.0	179.5	0.1190186	0.128931		-10.2	20	
sec-Butylbenzene	A	100.0	114.1	1.609253	1.836774		14.1	20	
tert-Butylbenzene	A	100.0	109.3	1.130788	1.236211		9.3	20	
Carbon disulfide	A	100.0	104.3	0.7726197	0.8061066		4.3	20	
Carbon tetrachloride	A	100.0	125.1	0.2679136	0.3351812		25.1	20	*
Chlorobenzene	A	100.0	89.43	1.626743	1.454838	0.3	-10.6	20	
Chloroethane	A	100.0	114.8	0.136575	0.1568446		14.8	20	
Chloroform	A	100.0	115.7	0.4102609	0.4748549		15.7	20	
Chloromethane	A	100.0	110.7	0.2276648	0.2520551	0.1	10.7	20	
2-Chlorotoluene	A	100.0	109.5	1.343142	1.471243		9.5	20	
4-Chlorotoluene	A	100.0	118.0	1.357899	1.602999		18.0	20	
Dibromochloromethane	A	100.0	94.09	0.7343881	0.6909822		-5.9	20	
1,2-Dibromo-3-chloropropane	A	100.0	84.52	0.1573495	0.1329928		-15.5	20	
1,2-Dibromoethane (EDB)	A	100.0	91.97	0.6906692	0.6352294		-8.0	20	
Dibromomethane	A	100.0	106.6	0.1768221	0.1884208		6.6	20	
1,2-Dichlorobenzene	A	100.0	99.58	1.056748	1.052296		-0.4	20	
1,3-Dichlorobenzene	A	100.0	90.97	1.094328	0.9955304		-9.0	20	
1,4-Dichlorobenzene	A	100.0	110.0	1.157104	1.273505		10.1	20	
Dichlorodifluoromethane	L	100.0	106.1	0.224461	0.2505337		6.1	20	
1,1-Dichloroethane	A	100.0	121.2	0.4233929	0.5133905	0.1	21.3	20	*
1,2-Dichloroethane	A	100.0	135.9	0.2732127	0.3713714		35.9	20	*

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1138001
Lab File ID:	0517CCV1.D	Calibration Date:	03/22/11 12:12
Sequence:	1E13808	Injection Date:	05/17/11
Lab Sample ID:	1E13808-CCV1	Injection Time:	07:21

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	103.6	0.2255965	0.2336698		3.6	20
cis-1,2-Dichloroethene	A	100.0	100.2	0.2774913	0.2780236		0.2	20
trans-1,2-Dichloroethene	A	100.0	100.1	0.2597497	0.2599269		0.07	20
1,2-Dichloropropane	A	100.0	114.4	0.2331725	0.2667127		14.4	20
1,3-Dichloropropane	A	100.0	92.72	0.9185418	0.8516565		-7.3	20
2,2-Dichloropropane	A	100.0	138.0	0.2659142	0.3669055		38.0	20 *
1,1-Dichloropropene	A	100.0	115.8	0.2914419	0.3373923		15.8	20
cis-1,3-Dichloropropene	A	100.0	126.2	0.3482888	0.439694		26.2	20 *
trans-1,3-Dichloropropene	A	100.0	103.4	0.7769797	0.8034125		3.4	20
Ethylbenzene	A	100.0	94.09	2.383883	2.243069		-5.9	20
Hexachlorobutadiene	A	100.0	92.69	0.2603432	0.2413165		-7.3	20
2-Hexanone	A	200.0	224.9	0.3604878	0.4054242		12.5	20
Isopropylbenzene	A	100.0	95.95	1.917265	1.839654		-4.0	20
p-Isopropyltoluene	A	100.0	112.0	1.255108	1.405407		12.0	20
Methylene chloride	A	100.0	102.9	0.2879524	0.2963962		2.9	20
Naphthalene	A	100.0	81.87	1.417306	1.160347		-18.1	20
4-Methyl-2-pentanone	L	200.0	201.3	0.2262253	0.2614678		0.6	20
Methyl t-Butyl Ether	A	100.0	106.4	0.596171	0.6343643		6.4	20
n-Propylbenzene	A	100.0	116.9	2.001293	2.339744		16.9	20
Styrene	A	100.0	97.89	1.638556	1.604016		-2.1	20
1,1,2,2-Tetrachloroethane	A	100.0	88.82	0.6466982	0.5744079	0.3	-11.2	20
1,1,1,2-Tetrachloroethane	A	100.0	94.58	0.6133557	0.5801261		-5.4	20
Tetrachloroethene	A	100.0	79.78	0.7309561	0.5831892		-20.2	20 *
Toluene	A	100.0	95.28	1.363325	1.299002		-4.7	20
1,2,3-Trichlorobenzene	A	100.0	77.77	0.6001166	0.4666912		-22.2	20 *
1,2,4-Trichlorobenzene	A	100.0	80.63	0.6583787	0.530867		-19.4	20
1,1,2-Trichloroethane	A	100.0	92.25	0.5040212	0.4649816		-7.7	20
1,1,1-Trichloroethane	A	100.0	120.6	0.3016893	0.3638279		20.6	20 *
Trichloroethene	A	100.0	118.1	0.238184	0.2813466		18.1	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1138001
Lab File ID:	0517CCV1.D	Calibration Date:	03/22/11 12:12
Sequence:	1E13808	Injection Date:	05/17/11
Lab Sample ID:	1E13808-CCV1	Injection Time:	07:21

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	125.1	0.339243	0.4245525		25.1	20 *
1,2,3-Trichloropropane	A	100.0	94.14	0.1954897	0.1840389		-5.9	20
1,3,5-Trimethylbenzene	A	100.0	116.0	1.339339	1.553349		16.0	20
1,2,4-Trimethylbenzene	A	100.0	113.6	1.433776	1.628307		13.6	20
Vinyl chloride	A	100.0	91.95	0.1940212	0.178402		-8.1	20
m,p-Xylene	A	200.0	192.0	1.742223	1.672959		-4.0	20
o-Xylene	A	100.0	95.10	1.91167	1.818031		-4.9	20
Bromofluorobenzene	A	30.00	33.18	0.8679522	0.9601045		10.6	20
Dibromofluoromethane	A	30.00	28.50	0.3495164	0.3320262		-5.0	20
1,2-Dichloroethane-d4	A	30.00	29.14	6.545786E-02	6.358641E-02		-2.9	20
Toluene-d8	A	30.00	33.00	2.124195	2.336839		10.0	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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	1110001
Lab File ID:	0519CC1.D	Calibration Date:	04/15/11 09:53
Sequence:	1E14009	Injection Date:	05/19/11
Lab Sample ID:	1E14009-CCV1	Injection Time:	06:42

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	192.2	0.095435	9.171268E-02		-3.9	20
Benzene	A	100.0	110.7	0.8165687	0.9037016		10.7	20
Bromobenzene	A	100.0	97.45	0.622891	0.6070334		-2.5	20
Bromochloromethane	A	100.0	102.7	0.1322805	0.1358237		2.7	20
Bromodichloromethane	A	100.0	96.15	0.3200121	0.3077056		-3.8	20
Bromoform	A	100.0	93.74	0.3605704	0.3379865	0.1	-6.3	20
Bromomethane	L	100.0	81.77	0.2069788	0.2013996		-18.2	20
n-Butylbenzene	A	100.0	97.53	1.504611	1.467455		-2.5	20
2-Butanone	A	200.0	224.6	0.1381845	0.1551655		12.3	20
sec-Butylbenzene	A	100.0	98.77	1.956089	1.932048		-1.2	20
tert-Butylbenzene	A	100.0	98.84	1.609584	1.590965		-1.2	20
Carbon disulfide	A	100.0	124.3	0.6773833	0.8419671		24.3	20 *
Carbon tetrachloride	A	100.0	95.72	0.2397952	0.2295302		-4.3	20
Chlorobenzene	A	100.0	97.31	1.27837	1.243975	0.3	-2.7	20
Chloroethane	A	100.0	104.0	0.2523708	0.2624846		4.0	20
Chloroform	A	100.0	95.23	0.4294733	0.4090086		-4.8	20
Chloromethane	A	100.0	114.7	0.4745789	0.5445344	0.1	14.7	20
2-Chlorotoluene	A	100.0	95.78	1.535306	1.47061		-4.2	20
4-Chlorotoluene	A	100.0	98.74	1.734834	1.712986		-1.3	20
Dibromochloromethane	A	100.0	97.52	0.5303833	0.5172136		-2.5	20
1,2-Dibromo-3-chloropropane	A	100.0	98.59	0.1125661	0.110977		-1.4	20
1,2-Dibromoethane (EDB)	A	100.0	95.94	0.5576892	0.5350565		-4.1	20
Dibromomethane	A	100.0	100.8	0.1598632	0.1610824		0.8	20
1,2-Dichlorobenzene	A	100.0	96.22	0.9737531	0.9369262		-3.8	20
1,3-Dichlorobenzene	A	100.0	93.00	1.069325	0.9944778		-7.0	20
1,4-Dichlorobenzene	A	100.0	89.93	1.125829	1.012489		-10.1	20
Dichlorodifluoromethane	L	100.0	116.2	0.2985279	0.3568282		16.2	20
1,1-Dichloroethane	A	100.0	106.8	0.4614852	0.4929426	0.1	6.8	20
1,2-Dichloroethane	A	100.0	95.94	0.3353382	0.3217138		-4.1	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	1110001
Lab File ID:	0519CC1.D	Calibration Date:	04/15/11 09:53
Sequence:	1E14009	Injection Date:	05/19/11
Lab Sample ID:	1E14009-CCV1	Injection Time:	06:42

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	102.3	0.2191262	0.2241833		2.3	20
cis-1,2-Dichloroethene	A	100.0	104.2	0.2631228	0.2743132		4.3	20
trans-1,2-Dichloroethene	A	100.0	101.8	0.2436546	0.2481634		1.9	20
1,2-Dichloropropane	A	100.0	104.9	0.2855651	0.2996954		4.9	20
1,3-Dichloropropane	A	100.0	95.65	0.8114537	0.7761343		-4.4	20
2,2-Dichloropropane	A	100.0	96.12	0.3095193	0.2975025		-3.9	20
1,1-Dichloropropene	A	100.0	100.9	0.3108414	0.3136541		0.9	20
cis-1,3-Dichloropropene	A	100.0	102.5	0.3753906	0.3849377		2.5	20
trans-1,3-Dichloropropene	A	100.0	100.6	0.7331598	0.7372733		0.6	20
Ethylbenzene	A	100.0	99.92	2.034033	2.032313		-0.08	20
Hexachlorobutadiene	A	100.0	85.30	0.2336594	0.199318		-14.7	20
2-Hexanone	A	200.0	188.3	0.4812427	0.4531005		-5.8	20
Isopropylbenzene	A	100.0	98.67	1.559553	1.538848		-1.3	20
p-Isopropyltoluene	A	100.0	97.71	1.67706	1.638705		-2.3	20
Methylene chloride	A	100.0	103.2	0.2560903	0.2643543		3.2	20
Naphthalene	A	100.0	93.15	1.327067	1.23623		-6.8	20
4-Methyl-2-pentanone	A	200.0	212.5	0.2783504	0.2957341		6.2	20
Methyl t-Butyl Ether	A	100.0	109.0	0.5601073	0.6105929		9.0	20
n-Propylbenzene	A	100.0	99.05	2.48505	2.461521		-0.9	20
Styrene	A	100.0	100.2	1.314151	1.316876		0.2	20
1,1,2,2-Tetrachloroethane	A	100.0	100.9	0.7120744	0.7184959	0.3	0.9	20
1,1,1,2-Tetrachloroethane	A	100.0	97.59	0.4766101	0.4651416		-2.4	20
Tetrachloroethene	A	100.0	98.07	0.4624975	0.453554		-1.9	20
Toluene	A	100.0	98.49	1.118865	1.102021		-1.5	20
1,2,3-Trichlorobenzene	A	100.0	92.04	0.510204	0.4696102		-8.0	20
1,2,4-Trichlorobenzene	A	100.0	88.82	0.5978181	0.5309719		-11.2	20
1,1,2-Trichloroethane	A	100.0	97.54	0.4520995	0.4409846		-2.5	20
1,1,1-Trichloroethane	A	100.0	94.19	0.3137102	0.295499		-5.8	20
Trichloroethene	A	100.0	103.2	0.2384711	0.2461062		3.2	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	1110001
Lab File ID:	0519CC1.D	Calibration Date:	04/15/11 09:53
Sequence:	1E14009	Injection Date:	05/19/11
Lab Sample ID:	1E14009-CCV1	Injection Time:	06:42

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	99.28	0.4040041	0.4011175		-0.7	20
1,2,3-Trichloropropane	A	100.0	91.62	0.1604519	0.1470109		-8.4	20
1,3,5-Trimethylbenzene	A	100.0	100.1	1.631689	1.633554		0.1	20
1,2,4-Trimethylbenzene	A	100.0	99.80	1.658949	1.655679		-0.2	20
Vinyl chloride	Q	100.0	87.42	0.3152422	0.2143718		-12.6	20
m,p-Xylene	A	200.0	196.5	1.557766	1.530595		-1.7	20
o-Xylene	A	100.0	96.07	1.652495	1.587573		-3.9	20
Bromofluorobenzene	A	30.00	29.37	0.8430908	0.8253531		-2.1	20
Dibromofluoromethane	A	30.00	30.68	0.2932159	0.2998187		2.3	20
1,2-Dichloroethane-d4	A	30.00	31.19	0.059471	6.182845E-02		4.0	20
Toluene-d8	A	30.00	29.72	2.056027	2.03679		-0.9	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	1110001
Lab File ID:	0520CC1.D	Calibration Date:	04/15/11 09:53
Sequence:	1E14101	Injection Date:	05/20/11
Lab Sample ID:	1E14101-CCV1	Injection Time:	07:27

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	200.0	194.1	0.095435	9.262217E-02		-2.9	20	
Benzene	A	100.0	109.4	0.8165687	0.8929773		9.4	20	
Bromobenzene	A	100.0	99.22	0.622891	0.6180399		-0.8	20	
Bromochloromethane	A	100.0	99.80	0.1322805	0.1320205		-0.2	20	
Bromodichloromethane	A	100.0	94.82	0.3200121	0.3034341		-5.2	20	
Bromoform	A	100.0	97.15	0.3605704	0.3502943	0.1	-2.8	20	
Bromomethane	L	100.0	87.54	0.2069788	0.2159388		-12.5	20	
n-Butylbenzene	A	100.0	98.64	1.504611	1.48419		-1.4	20	
2-Butanone	A	200.0	228.5	0.1381845	0.1578807		14.3	20	
sec-Butylbenzene	A	100.0	98.42	1.956089	1.925207		-1.6	20	
tert-Butylbenzene	A	100.0	98.72	1.609584	1.588955		-1.3	20	
Carbon disulfide	A	100.0	122.2	0.6773833	0.8279355		22.2	20	*
Carbon tetrachloride	A	100.0	95.81	0.2397952	0.2297499		-4.2	20	
Chlorobenzene	A	100.0	101.4	1.27837	1.296411	0.3	1.4	20	
Chloroethane	A	100.0	103.6	0.2523708	0.2614193		3.6	20	
Chloroform	A	100.0	94.26	0.4294733	0.4048072		-5.7	20	
Chloromethane	A	100.0	109.4	0.4745789	0.5190181	0.1	9.4	20	
2-Chlorotoluene	A	100.0	99.04	1.535306	1.520556		-1.0	20	
4-Chlorotoluene	A	100.0	99.96	1.734834	1.734164		-0.04	20	
Dibromochloromethane	A	100.0	100.4	0.5303833	0.5327778		0.5	20	
1,2-Dibromo-3-chloropropane	A	100.0	103.6	0.1125661	0.1166226		3.6	20	
1,2-Dibromoethane (EDB)	A	100.0	100.0	0.5576892	0.5580221		0.06	20	
Dibromomethane	A	100.0	103.7	0.1598632	0.1657951		3.7	20	
1,2-Dichlorobenzene	A	100.0	98.93	0.9737531	0.9633126		-1.1	20	
1,3-Dichlorobenzene	A	100.0	92.89	1.069325	0.9932572		-7.1	20	
1,4-Dichlorobenzene	A	100.0	91.69	1.125829	1.032266		-8.3	20	
Dichlorodifluoromethane	L	100.0	106.6	0.2985279	0.3274101		6.6	20	
1,1-Dichloroethane	A	100.0	105.5	0.4614852	0.4869337	0.1	5.5	20	
1,2-Dichloroethane	A	100.0	97.08	0.3353382	0.3255557		-2.9	20	

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	1110001
Lab File ID:	0520CC1.D	Calibration Date:	04/15/11 09:53
Sequence:	1E14101	Injection Date:	05/20/11
Lab Sample ID:	1E14101-CCV1	Injection Time:	07:27

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	100.0	0.2191262	0.2191275		0.0006	20
cis-1,2-Dichloroethene	A	100.0	102.4	0.2631228	0.2695911		2.5	20
trans-1,2-Dichloroethene	A	100.0	97.24	0.2436546	0.2369321		-2.8	20
1,2-Dichloropropane	A	100.0	104.3	0.2855651	0.2978616		4.3	20
1,3-Dichloropropane	A	100.0	97.63	0.8114537	0.7922367		-2.4	20
2,2-Dichloropropane	A	100.0	96.79	0.3095193	0.2995962		-3.2	20
1,1-Dichloropropene	A	100.0	99.74	0.3108414	0.3100488		-0.3	20
cis-1,3-Dichloropropene	A	100.0	102.4	0.3753906	0.3846051		2.5	20
trans-1,3-Dichloropropene	A	100.0	103.5	0.7331598	0.7590048		3.5	20
Ethylbenzene	A	100.0	102.9	2.034033	2.093621		2.9	20
Hexachlorobutadiene	A	100.0	86.39	0.2336594	0.2018571		-13.6	20
2-Hexanone	A	200.0	193.0	0.4812427	0.4643489		-3.5	20
Isopropylbenzene	A	100.0	101.4	1.559553	1.581358		1.4	20
p-Isopropyltoluene	A	100.0	96.83	1.67706	1.623981		-3.2	20
Methylene chloride	A	100.0	105.6	0.2560903	0.2704695		5.6	20
Naphthalene	A	100.0	92.47	1.327067	1.2271		-7.5	20
4-Methyl-2-pentanone	A	200.0	209.6	0.2783504	0.2916586		4.8	20
Methyl t-Butyl Ether	A	100.0	110.1	0.5601073	0.6169575		10.1	20
n-Propylbenzene	A	100.0	99.70	2.48505	2.477737		-0.3	20
Styrene	A	100.0	101.2	1.314151	1.329344		1.2	20
1,1,2,2-Tetrachloroethane	A	100.0	102.1	0.7120744	0.7270033	0.3	2.1	20
1,1,1,2-Tetrachloroethane	A	100.0	99.02	0.4766101	0.4719371		-1.0	20
Tetrachloroethene	A	100.0	99.40	0.4624975	0.4597388		-0.6	20
Toluene	A	100.0	102.4	1.118865	1.145981		2.4	20
1,2,3-Trichlorobenzene	A	100.0	89.12	0.510204	0.4546683		-10.9	20
1,2,4-Trichlorobenzene	A	100.0	86.92	0.5978181	0.5196486		-13.1	20
1,1,2-Trichloroethane	A	100.0	97.04	0.4520995	0.4387285		-3.0	20
1,1,1-Trichloroethane	A	100.0	92.21	0.3137102	0.2892857		-7.8	20
Trichloroethene	A	100.0	100.3	0.2384711	0.239109		0.3	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	1110001
Lab File ID:	0520CC1.D	Calibration Date:	04/15/11 09:53
Sequence:	1E14101	Injection Date:	05/20/11
Lab Sample ID:	1E14101-CCV1	Injection Time:	07:27

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	100.6	0.4040041	0.4066163		0.6	20
1,2,3-Trichloropropane	A	100.0	87.18	0.1604519	0.1398817		-12.8	20
1,3,5-Trimethylbenzene	A	100.0	101.1	1.631689	1.64937		1.1	20
1,2,4-Trimethylbenzene	A	100.0	99.51	1.658949	1.650851		-0.5	20
Vinyl chloride	Q	100.0	84.95	0.3152422	0.209752		-15.0	20
m,p-Xylene	A	200.0	205.2	1.557766	1.598355		2.6	20
o-Xylene	A	100.0	97.65	1.652495	1.613646		-2.4	20
Bromofluorobenzene	A	30.00	29.46	0.8430908	0.8278524		-1.8	20
Dibromofluoromethane	A	30.00	30.98	0.2932159	0.3027763		3.3	20
1,2-Dichloroethane-d4	A	30.00	30.87	0.059471	6.120319E-02		2.9	20
Toluene-d8	A	30.00	30.64	2.056027	2.100025		2.1	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_012

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

Matrix: Laboratory ID: 1E12926-BLK1 File ID: 0512BL1.D

Sampled: Prepared: Analyzed: 05/12/11 10:11

Solids: Preparation: 5030B Dilution:

Batch: 1E12926 Sequence: 1E13311 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	X, 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	X, 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, 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	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

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Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Matrix: Laboratory ID: 1E12926-BLK1 File ID: 0512BL1.D

Sampled: Prepared: Analyzed: 05/12/11 10:11

Solids: Preparation: 5030B Dilution:

Batch: 1E12926 Sequence: 1E13311 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	Q, 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	31.22	104	75 - 120	
Dibromofluoromethane	30.00	32.60	109	85 - 115	
1,2-Dichloroethane-d4	30.00	32.60	109	70 - 120	
Toluene-d8	30.00	30.02	100	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Matrix: Laboratory ID: 1E12926-BS1 File ID: 0512LCS1.D

Sampled: Prepared: Analyzed: 05/12/11 08:41

Solids: Preparation: 5030B Dilution:

Batch: 1E12926 Sequence: 1E13311 Calibration: 1084001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	122	2.50	5.00	10.0	X
71-43-2	Benzene	53.5	0.250	0.500	1.00	
108-86-1	Bromobenzene	49.0	0.250	0.500	1.00	
74-97-5	Bromochloromethane	53.5	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	54.9	0.250	0.500	1.00	
75-25-2	Bromoform	49.0	0.250	0.500	1.00	
74-83-9	Bromomethane	49.8	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	49.9	0.250	0.500	1.00	
78-93-3	2-Butanone	127	2.50	5.00	10.0	X
135-98-8	sec-Butylbenzene	52.6	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	51.1	0.250	0.500	1.00	
75-15-0	Carbon disulfide	52.8	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	53.0	0.250	0.500	1.00	
108-90-7	Chlorobenzene	51.5	0.250	0.500	1.00	
75-00-3	Chloroethane	70.8	0.500	1.00	2.00	X
67-66-3	Chloroform	53.1	0.250	0.500	1.00	
74-87-3	Chloromethane	51.1	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	52.5	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	49.9	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	52.3	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	47.7	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	50.4	0.250	0.500	1.00	
74-95-3	Dibromomethane	53.8	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	50.7	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	49.3	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	48.6	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	52.0	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	56.9	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	54.5	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	55.2	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	53.0	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	54.9	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	56.1	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	48.6	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	57.8	0.250	0.500	1.00	X
563-58-6	1,1-Dichloropropene	54.2	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	53.1	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	56.2	0.250	0.500	1.00	
100-41-4	Ethylbenzene	50.6	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	46.8	0.250	0.500	1.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Matrix: Laboratory ID: 1E12926-BS1 File ID: 0512LCS1.D

Sampled: Prepared: Analyzed: 05/12/11 08:41

Solids: Preparation: 5030B Dilution:

Batch: 1E12926 Sequence: 1E13311 Calibration: 1084001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	139	1.25	2.50	5.00	X
98-82-8	Isopropylbenzene	51.5	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	53.6	0.250	0.500	1.00	
75-09-2	Methylene chloride	53.7	0.500	1.00	2.00	
91-20-3	Naphthalene	41.2	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	132	1.25	2.50	5.00	X
1634-04-4	Methyl t-Butyl Ether	52.2	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	50.1	0.250	0.500	1.00	
100-42-5	Styrene	52.4	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	48.4	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	52.0	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	48.3	0.250	0.500	1.00	
108-88-3	Toluene	49.4	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	39.3	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	40.5	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	49.9	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	50.2	0.250	0.500	1.00	
79-01-6	Trichloroethene	55.5	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	55.3	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	48.9	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	52.1	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	51.4	0.250	0.500	1.00	
75-01-4	Vinyl chloride	48.4	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	48.8	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.58	98.6	75 - 120	
Dibromofluoromethane	30.00	31.81	106	85 - 115	
1,2-Dichloroethane-d4	30.00	30.92	103	70 - 120	
Toluene-d8	30.00	29.67	98.9	85 - 120	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Matrix: Laboratory ID: 1E12926-MS1 File ID: 0508201M.D

Sampled: Prepared: Analyzed: 05/12/11 18:14

Solids: Preparation: 5030B Dilution:

Batch: 1E12926 Sequence: 1E13311 Calibration: 1084001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	159	2.50	5.00	10.0	X
71-43-2	Benzene	54.3	0.250	0.500	1.00	
108-86-1	Bromobenzene	47.8	0.250	0.500	1.00	
74-97-5	Bromochloromethane	49.9	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	63.9	0.250	0.500	1.00	
75-25-2	Bromoform	46.6	0.250	0.500	1.00	
74-83-9	Bromomethane	48.6	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	52.2	0.250	0.500	1.00	
78-93-3	2-Butanone	176	2.50	5.00	10.0	X
135-98-8	sec-Butylbenzene	53.8	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	51.5	0.250	0.500	1.00	
75-15-0	Carbon disulfide	56.6	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	61.4	0.250	0.500	1.00	
108-90-7	Chlorobenzene	49.6	0.250	0.500	1.00	
75-00-3	Chloroethane	52.3	0.500	1.00	2.00	Q, X
67-66-3	Chloroform	57.4	0.250	0.500	1.00	
74-87-3	Chloromethane	57.8	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	54.9	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	55.3	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	53.8	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	54.3	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	51.0	0.250	0.500	1.00	
74-95-3	Dibromomethane	57.5	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	50.4	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	56.6	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	49.3	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	64.7	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	61.7	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	66.6	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	57.8	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	53.8	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	59.7	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	51.0	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	47.0	0.250	0.500	1.00	X
563-58-6	1,1-Dichloropropene	60.5	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	56.3	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	56.1	0.250	0.500	1.00	
100-41-4	Ethylbenzene	51.1	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	44.5	0.250	0.500	1.00	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Matrix: Laboratory ID: 1E12926-MS1 File ID: 0508201M.D

Sampled: Prepared: Analyzed: 05/12/11 18:14

Solids: Preparation: 5030B Dilution:

Batch: 1E12926 Sequence: 1E13311 Calibration: 1084001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	165	1.25	2.50	5.00	Q, X
98-82-8	Isopropylbenzene	52.6	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	56.5	0.250	0.500	1.00	
75-09-2	Methylene chloride	52.9	0.500	1.00	2.00	
91-20-3	Naphthalene	48.7	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	167	1.25	2.50	5.00	X
1634-04-4	Methyl t-Butyl Ether	56.1	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	58.0	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	57.0	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	49.8	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	40.6	0.250	0.500	1.00	
108-88-3	Toluene	48.4	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	43.7	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	43.1	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	47.6	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	61.0	0.250	0.500	1.00	
79-01-6	Trichloroethene	58.9	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	65.1	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	53.3	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	56.0	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	55.3	0.250	0.500	1.00	
75-01-4	Vinyl chloride	54.2	0.250	0.500	1.00	
108-38-3/106-42-	m,p-Xylene	102	0.500	1.00	2.00	
95-47-6	o-Xylene	50.4	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.03	96.8	75 - 120	
Dibromofluoromethane	30.00	32.86	110	85 - 115	
1,2-Dichloroethane-d4	30.00	30.87	103	70 - 120	
Toluene-d8	30.00	27.51	91.7	85 - 120	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Matrix: Laboratory ID: 1E12926-MSD1 File ID: 0508201S.D

Sampled: Prepared: Analyzed: 05/12/11 18:44

Solids: Preparation: 5030B Dilution:

Batch: 1E12926 Sequence: 1E13311 Calibration: 1084001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	152	2.50	5.00	10.0	X
71-43-2	Benzene	52.5	0.250	0.500	1.00	
108-86-1	Bromobenzene	45.6	0.250	0.500	1.00	
74-97-5	Bromochloromethane	50.6	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	60.9	0.250	0.500	1.00	
75-25-2	Bromoform	47.2	0.250	0.500	1.00	
74-83-9	Bromomethane	46.0	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	50.8	0.250	0.500	1.00	
78-93-3	2-Butanone	170	2.50	5.00	10.0	X
135-98-8	sec-Butylbenzene	52.9	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	51.6	0.250	0.500	1.00	
75-15-0	Carbon disulfide	53.0	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	57.8	0.250	0.500	1.00	
108-90-7	Chlorobenzene	50.0	0.250	0.500	1.00	
75-00-3	Chloroethane	51.5	0.500	1.00	2.00	Q, X
67-66-3	Chloroform	56.3	0.250	0.500	1.00	
74-87-3	Chloromethane	55.6	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	56.0	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	52.0	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	53.8	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	51.4	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	52.3	0.250	0.500	1.00	
74-95-3	Dibromomethane	54.5	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	48.7	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	47.4	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	46.7	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	61.7	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	59.6	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	64.3	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	58.1	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	52.6	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	54.5	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	55.8	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	49.1	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	45.3	0.250	0.500	1.00	X
563-58-6	1,1-Dichloropropene	57.3	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	52.4	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	57.4	0.250	0.500	1.00	
100-41-4	Ethylbenzene	49.5	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	42.8	0.250	0.500	1.00	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Matrix: Laboratory ID: 1E12926-MSD1 File ID: 0508201S.D

Sampled: Prepared: Analyzed: 05/12/11 18:44

Solids: Preparation: 5030B Dilution:

Batch: 1E12926 Sequence: 1E13311 Calibration: 1084001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	154	1.25	2.50	5.00	Q, X
98-82-8	Isopropylbenzene	51.3	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	54.2	0.250	0.500	1.00	
75-09-2	Methylene chloride	55.4	0.500	1.00	2.00	
91-20-3	Naphthalene	43.2	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	153	1.25	2.50	5.00	X
1634-04-4	Methyl t-Butyl Ether	56.7	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	52.3	0.250	0.500	1.00	
100-42-5	Styrene	49.8	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	54.5	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	49.2	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	43.0	0.250	0.500	1.00	
108-88-3	Toluene	47.0	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	39.4	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	39.7	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	50.0	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	56.8	0.250	0.500	1.00	
79-01-6	Trichloroethene	57.2	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	62.3	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	54.7	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	51.7	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	51.0	0.250	0.500	1.00	
75-01-4	Vinyl chloride	52.7	0.250	0.500	1.00	
108-38-3/106-42-	m,p-Xylene	98.9	0.500	1.00	2.00	
95-47-6	o-Xylene	50.1	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.27	101	75 - 120	
Dibromofluoromethane	30.00	32.62	109	85 - 115	
1,2-Dichloroethane-d4	30.00	29.93	99.8	70 - 120	
Toluene-d8	30.00	27.67	92.2	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Matrix: Laboratory ID: 1E13302-BLK1 File ID: 0513BL1.D

Sampled: Prepared: Analyzed: 05/13/11 11:35

Solids: Preparation: 5030B Dilution:

Batch: 1E13302 Sequence: 1E13402 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	X, 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	X, 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	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	X, U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	X, 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	X, 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_012

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

Matrix: Laboratory ID: 1E13302-BLK1 File ID: 0513BL1.D

Sampled: Prepared: Analyzed: 05/13/11 11:35

Solids: Preparation: 5030B Dilution:

Batch: 1E13302 Sequence: 1E13402 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	Q, 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	X, 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	28.88	96.3	75 - 120	
Dibromofluoromethane	30.00	32.48	108	85 - 115	
1,2-Dichloroethane-d4	30.00	33.10	110	70 - 120	
Toluene-d8	30.00	29.83	99.4	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Matrix: Laboratory ID: 1E13302-BS1 File ID: 0513LCS1.D

Sampled: Prepared: Analyzed: 05/13/11 10:05

Solids: Preparation: 5030B Dilution:

Batch: 1E13302 Sequence: 1E13402 Calibration: 1084001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	125	2.50	5.00	10.0	X
71-43-2	Benzene	52.6	0.250	0.500	1.00	
108-86-1	Bromobenzene	47.0	0.250	0.500	1.00	
74-97-5	Bromochloromethane	54.0	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	57.5	0.250	0.500	1.00	
75-25-2	Bromoform	47.5	0.250	0.500	1.00	
74-83-9	Bromomethane	46.9	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	51.8	0.250	0.500	1.00	
78-93-3	2-Butanone	92.4	2.50	5.00	10.0	X
135-98-8	sec-Butylbenzene	53.1	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	54.0	0.250	0.500	1.00	
75-15-0	Carbon disulfide	55.1	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	54.1	0.250	0.500	1.00	
108-90-7	Chlorobenzene	52.7	0.250	0.500	1.00	
75-00-3	Chloroethane	77.1	0.500	1.00	2.00	
67-66-3	Chloroform	54.3	0.250	0.500	1.00	
74-87-3	Chloromethane	51.9	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	52.0	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	57.5	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	54.4	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	44.4	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	55.1	0.250	0.500	1.00	
74-95-3	Dibromomethane	53.1	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	49.6	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	52.4	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	50.3	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	55.9	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	57.7	0.250	0.500	1.00	X
107-06-2	1,2-Dichloroethane	58.5	0.250	0.500	1.00	X
75-35-4	1,1-Dichloroethene	55.4	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	53.4	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	55.2	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	57.2	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	54.7	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	55.8	0.250	0.500	1.00	X
563-58-6	1,1-Dichloropropene	55.8	0.250	0.500	1.00	X
10061-01-5	cis-1,3-Dichloropropene	54.7	0.250	0.500	1.00	X
10061-02-6	trans-1,3-Dichloropropene	61.5	0.250	0.500	1.00	
100-41-4	Ethylbenzene	55.2	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	49.4	0.250	0.500	1.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Matrix: Laboratory ID: 1E13302-BS1 File ID: 0513LCS1.D

Sampled: Prepared: Analyzed: 05/13/11 10:05

Solids: Preparation: 5030B Dilution:

Batch: 1E13302 Sequence: 1E13402 Calibration: 1084001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	145	1.25	2.50	5.00	X
98-82-8	Isopropylbenzene	55.0	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	55.6	0.250	0.500	1.00	
75-09-2	Methylene chloride	52.7	0.500	1.00	2.00	
91-20-3	Naphthalene	40.2	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	135	1.25	2.50	5.00	X
1634-04-4	Methyl t-Butyl Ether	50.7	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	53.6	0.250	0.500	1.00	
100-42-5	Styrene	55.9	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	47.4	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	51.7	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	48.7	0.250	0.500	1.00	
108-88-3	Toluene	54.8	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	39.5	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	39.6	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	52.1	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	55.4	0.250	0.500	1.00	
79-01-6	Trichloroethene	54.9	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	60.4	0.500	1.00	2.00	X
96-18-4	1,2,3-Trichloropropane	53.4	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	54.6	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	50.4	0.250	0.500	1.00	
75-01-4	Vinyl chloride	50.4	0.250	0.500	1.00	
108-38-3/106-42-	m,p-Xylene	109	0.500	1.00	2.00	
95-47-6	o-Xylene	53.2	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.43	105	75 - 120	
Dibromofluoromethane	30.00	31.51	105	85 - 115	
1,2-Dichloroethane-d4	30.00	31.54	105	70 - 120	
Toluene-d8	30.00	33.34	111	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Matrix: Laboratory ID: 1E16009-BLK1 File ID: 0517BL1.D

Sampled: Prepared: Analyzed: 05/17/11 09:31

Solids: Preparation: 5030B Dilution:

Batch: 1E16009 Sequence: 1E13808 Calibration: 1138001 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	Q, X, 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	X, 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, 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	X, U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	Q, X, 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	Q, 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	Q, 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	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_012

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

Matrix: Laboratory ID: 1E16009-BLK1 File ID: 0517BL1.D

Sampled: Prepared: Analyzed: 05/17/11 09:31

Solids: Preparation: 5030B Dilution:

Batch: 1E16009 Sequence: 1E13808 Calibration: 1138001 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	Y, 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	Y, 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	X, U
79-01-6	Trichloroethene		0.250	0.500	1.00	Q, X, 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	32.12	107	75 - 120	
Dibromofluoromethane	30.00	31.09	104	85 - 115	
1,2-Dichloroethane-d4	30.00	32.91	110	70 - 120	
Toluene-d8	30.00	32.40	108	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Matrix: Laboratory ID: 1E16009-BS1 File ID: 0517LCS1.D

Sampled: Prepared: Analyzed: 05/17/11 08:03

Solids: Preparation: 5030B Dilution:

Batch: 1E16009 Sequence: 1E13808 Calibration: 1138001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	90.7	2.50	5.00	10.0	
71-43-2	Benzene	56.3	0.250	0.500	1.00	
108-86-1	Bromobenzene	49.8	0.250	0.500	1.00	
74-97-5	Bromochloromethane	56.3	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	66.4	0.250	0.500	1.00	X
75-25-2	Bromoform	45.9	0.250	0.500	1.00	
74-83-9	Bromomethane	53.4	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	54.3	0.250	0.500	1.00	
78-93-3	2-Butanone	91.4	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	57.1	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	56.7	0.250	0.500	1.00	
75-15-0	Carbon disulfide	56.3	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	61.9	0.250	0.500	1.00	X
108-90-7	Chlorobenzene	51.8	0.250	0.500	1.00	
75-00-3	Chloroethane	81.9	0.500	1.00	2.00	
67-66-3	Chloroform	62.5	0.250	0.500	1.00	
74-87-3	Chloromethane	61.4	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	57.1	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	63.0	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	52.6	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)	51.4	0.250	0.500	1.00	
74-95-3	Dibromomethane	57.0	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	52.5	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	48.1	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	56.9	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	63.2	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	63.6	0.250	0.500	1.00	X
107-06-2	1,2-Dichloroethane	69.4	0.250	0.500	1.00	X
75-35-4	1,1-Dichloroethene	57.6	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	56.4	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	60.1	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	51.6	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	41.8	0.250	0.500	1.00	X
563-58-6	1,1-Dichloropropene	59.3	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	58.9	0.250	0.500	1.00	X
10061-02-6	trans-1,3-Dichloropropene	57.4	0.250	0.500	1.00	
100-41-4	Ethylbenzene	51.0	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	51.2	0.250	0.500	1.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Matrix: Laboratory ID: 1E16009-BS1 File ID: 0517LCS1.D

Sampled: Prepared: Analyzed: 05/17/11 08:03

Solids: Preparation: 5030B Dilution:

Batch: 1E16009 Sequence: 1E13808 Calibration: 1138001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	112	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	51.0	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	57.8	0.250	0.500	1.00	
75-09-2	Methylene chloride	55.4	0.500	1.00	2.00	
91-20-3	Naphthalene	43.1	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	59.3	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	61.8	0.250	0.500	1.00	
100-42-5	Styrene	53.8	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	50.9	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	51.4	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	42.6	0.250	0.500	1.00	Y
108-88-3	Toluene	50.7	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	41.4	0.250	0.500	1.00	Y
120-82-1	1,2,4-Trichlorobenzene	41.5	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	46.5	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	60.4	0.250	0.500	1.00	X
79-01-6	Trichloroethene	61.3	0.250	0.500	1.00	X
75-69-4	Trichlorofluoromethane	65.0	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	56.5	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	57.2	0.250	0.500	1.00	
75-01-4	Vinyl chloride	53.0	0.250	0.500	1.00	
108-38-3/106-42-	m,p-Xylene	106	0.500	1.00	2.00	
95-47-6	o-Xylene	52.1	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.51	105	75 - 120	
Dibromofluoromethane	30.00	30.04	100	85 - 115	
1,2-Dichloroethane-d4	30.00	30.84	103	70 - 120	
Toluene-d8	30.00	31.52	105	85 - 120	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Matrix: Laboratory ID: 1E16009-BSD1 File ID: 0517LD1.D

Sampled: Prepared: Analyzed: 05/17/11 18:25

Solids: Preparation: 5030B Dilution:

Batch: 1E16009 Sequence: 1E13808 Calibration: 1138001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	97.2	2.50	5.00	10.0	
71-43-2	Benzene	58.6	0.250	0.500	1.00	
108-86-1	Bromobenzene	52.7	0.250	0.500	1.00	
74-97-5	Bromochloromethane	55.5	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	70.5	0.250	0.500	1.00	X
75-25-2	Bromoform	45.1	0.250	0.500	1.00	
74-83-9	Bromomethane	55.1	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	58.4	0.250	0.500	1.00	
78-93-3	2-Butanone	94.9	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	61.4	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	61.4	0.250	0.500	1.00	
75-15-0	Carbon disulfide	58.6	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	66.0	0.250	0.500	1.00	X
108-90-7	Chlorobenzene	50.8	0.250	0.500	1.00	
75-00-3	Chloroethane	64.1	0.500	1.00	2.00	
67-66-3	Chloroform	63.6	0.250	0.500	1.00	
74-87-3	Chloromethane	68.2	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	62.2	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	63.2	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	52.8	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	47.8	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	49.7	0.250	0.500	1.00	
74-95-3	Dibromomethane	61.2	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	53.5	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	62.0	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	47.7	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	68.8	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	64.9	0.250	0.500	1.00	X
107-06-2	1,2-Dichloroethane	74.6	0.250	0.500	1.00	X
75-35-4	1,1-Dichloroethene	57.7	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	56.4	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	57.1	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	64.9	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	55.4	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	59.6	0.250	0.500	1.00	X
563-58-6	1,1-Dichloropropene	60.3	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	61.9	0.250	0.500	1.00	X
10061-02-6	trans-1,3-Dichloropropene	59.7	0.250	0.500	1.00	
100-41-4	Ethylbenzene	53.1	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	48.1	0.250	0.500	1.00	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Matrix: Laboratory ID: 1E16009-BSD1 File ID: 0517LD1.D

Sampled: Prepared: Analyzed: 05/17/11 18:25

Solids: Preparation: 5030B Dilution:

Batch: 1E16009 Sequence: 1E13808 Calibration: 1138001 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	128	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	55.4	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	60.7	0.250	0.500	1.00	
75-09-2	Methylene chloride	56.2	0.500	1.00	2.00	
91-20-3	Naphthalene	45.5	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	59.1	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	65.1	0.250	0.500	1.00	
100-42-5	Styrene	53.3	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	49.9	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	52.2	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	43.3	0.250	0.500	1.00	Y
108-88-3	Toluene	51.0	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	41.3	0.250	0.500	1.00	Y
120-82-1	1,2,4-Trichlorobenzene	42.9	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	49.7	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	63.2	0.250	0.500	1.00	X
79-01-6	Trichloroethene	63.0	0.250	0.500	1.00	X
75-69-4	Trichlorofluoromethane	68.7	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	53.3	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	62.3	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	60.3	0.250	0.500	1.00	
75-01-4	Vinyl chloride	60.6	0.250	0.500	1.00	
108-38-3/106-42-	m,p-Xylene	108	0.500	1.00	2.00	
95-47-6	o-Xylene	51.0	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	34.86	116	75 - 120	
Dibromofluoromethane	30.00	30.63	102	85 - 115	
1,2-Dichloroethane-d4	30.00	31.07	104	70 - 120	
Toluene-d8	30.00	33.09	110	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Matrix: Laboratory ID: 1E17012-BLK1 File ID: 0517BL1.D

Sampled: Prepared: Analyzed: 05/17/11 11:42

Solids: Preparation: 5030B Dilution:

Batch: 1E17012 Sequence: 1E13807 Calibration: 1110001 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	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	0.324	0.250	0.500	1.00	J

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Matrix: Laboratory ID: 1E17012-BLK1 File ID: 0517BL1.D

Sampled: Prepared: Analyzed: 05/17/11 11:42

Solids: Preparation: 5030B Dilution:

Batch: 1E17012 Sequence: 1E13807 Calibration: 1110001 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	0.414	0.250	0.500	1.00	J
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	0.491	0.250	0.500	1.00	J
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	30.18	101	75 - 120	
Dibromofluoromethane	30.00	29.11	97.0	85 - 115	
1,2-Dichloroethane-d4	30.00	29.70	99.0	70 - 120	
Toluene-d8	30.00	32.38	108	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Matrix: Laboratory ID: 1E17012-BS1 File ID: 0517LS1.D

Sampled: Prepared: Analyzed: 05/17/11 10:28

Solids: Preparation: 5030B Dilution:

Batch: 1E17012 Sequence: 1E13807 Calibration: 1110001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	88.9	2.50	5.00	10.0	
71-43-2	Benzene	52.0	0.250	0.500	1.00	
108-86-1	Bromobenzene	48.4	0.250	0.500	1.00	
74-97-5	Bromochloromethane	50.3	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	49.4	0.250	0.500	1.00	
75-25-2	Bromoform	44.8	0.250	0.500	1.00	
74-83-9	Bromomethane	46.9	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	49.0	0.250	0.500	1.00	
78-93-3	2-Butanone	105	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	49.8	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	48.7	0.250	0.500	1.00	
75-15-0	Carbon disulfide	52.4	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	47.3	0.250	0.500	1.00	
108-90-7	Chlorobenzene	48.1	0.250	0.500	1.00	
75-00-3	Chloroethane	45.3	0.500	1.00	2.00	
67-66-3	Chloroform	48.4	0.250	0.500	1.00	
74-87-3	Chloromethane	53.3	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	49.6	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	50.1	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	47.5	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	48.4	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	47.2	0.250	0.500	1.00	
74-95-3	Dibromomethane	51.5	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	49.8	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	46.5	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	45.6	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	50.6	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	51.4	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	52.9	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	49.5	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	49.9	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	50.3	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	46.0	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	48.0	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	49.4	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	47.1	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	51.2	0.250	0.500	1.00	
100-41-4	Ethylbenzene	48.5	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	44.6	0.250	0.500	1.00	B

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Matrix: Laboratory ID: 1E17012-BS1 File ID: 0517LS1.D

Sampled: Prepared: Analyzed: 05/17/11 10:28

Solids: Preparation: 5030B Dilution:

Batch: 1E17012 Sequence: 1E13807 Calibration: 1110001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	83.1	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	50.7	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	50.1	0.250	0.500	1.00	
75-09-2	Methylene chloride	49.4	0.500	1.00	2.00	
91-20-3	Naphthalene	43.6	0.250	0.500	1.00	B
108-10-1	4-Methyl-2-pentanone	93.0	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	52.0	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	50.5	0.250	0.500	1.00	
100-42-5	Styrene	48.2	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	45.8	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	47.8	0.250	0.500	1.00	
108-88-3	Toluene	47.4	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	43.0	0.250	0.500	1.00	B
120-82-1	1,2,4-Trichlorobenzene	44.0	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	45.0	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	46.5	0.250	0.500	1.00	
79-01-6	Trichloroethene	50.1	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	50.2	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	41.8	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	49.9	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	48.8	0.250	0.500	1.00	
75-01-4	Vinyl chloride	35.6	0.250	0.500	1.00	Y
108-38-3/106-42-	m,p-Xylene	95.7	0.500	1.00	2.00	
95-47-6	o-Xylene	46.4	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.19	94.0	75 - 120	
Dibromofluoromethane	30.00	30.90	103	85 - 115	
1,2-Dichloroethane-d4	30.00	31.49	105	70 - 120	
Toluene-d8	30.00	29.49	98.3	85 - 120	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Matrix: Laboratory ID: 1E17012-BSD1 File ID: 0517LD1.D

Sampled: Prepared: Analyzed: 05/17/11 21:13

Solids: Preparation: 5030B Dilution:

Batch: 1E17012 Sequence: 1E13807 Calibration: 1110001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	110	2.50	5.00	10.0	
71-43-2	Benzene	53.4	0.250	0.500	1.00	
108-86-1	Bromobenzene	49.6	0.250	0.500	1.00	
74-97-5	Bromochloromethane	47.5	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	47.4	0.250	0.500	1.00	
75-25-2	Bromoform	43.7	0.250	0.500	1.00	
74-83-9	Bromomethane	48.6	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	48.1	0.250	0.500	1.00	
78-93-3	2-Butanone	103	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	46.7	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	48.6	0.250	0.500	1.00	
75-15-0	Carbon disulfide	52.0	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	41.0	0.250	0.500	1.00	
108-90-7	Chlorobenzene	50.8	0.250	0.500	1.00	
75-00-3	Chloroethane	47.1	0.500	1.00	2.00	
67-66-3	Chloroform	46.5	0.250	0.500	1.00	
74-87-3	Chloromethane	56.3	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	48.3	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	49.7	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	47.3	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)	50.0	0.250	0.500	1.00	
74-95-3	Dibromomethane	51.6	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	50.7	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	46.1	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	45.0	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	44.4	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	46.5	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	49.3	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	50.0	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	48.2	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	52.1	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	50.9	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	36.2	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	46.7	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	45.4	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	50.8	0.250	0.500	1.00	
100-41-4	Ethylbenzene	50.7	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	40.5	0.250	0.500	1.00	B

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Matrix: Laboratory ID: 1E17012-BSD1 File ID: 0517LD1.D

Sampled: Prepared: Analyzed: 05/17/11 21:13

Solids: Preparation: 5030B Dilution:

Batch: 1E17012 Sequence: 1E13807 Calibration: 1110001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	93.0	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	51.6	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	48.3	0.250	0.500	1.00	
75-09-2	Methylene chloride	51.5	0.500	1.00	2.00	
91-20-3	Naphthalene	41.8	0.250	0.500	1.00	B
108-10-1	4-Methyl-2-pentanone	98.3	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	49.3	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	50.1	0.250	0.500	1.00	
100-42-5	Styrene	49.7	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	52.6	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	48.2	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	49.5	0.250	0.500	1.00	
108-88-3	Toluene	49.4	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	41.1	0.250	0.500	1.00	B
120-82-1	1,2,4-Trichlorobenzene	43.3	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	48.6	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	41.0	0.250	0.500	1.00	
79-01-6	Trichloroethene	48.8	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	44.9	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	46.4	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	48.6	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	49.6	0.250	0.500	1.00	
75-01-4	Vinyl chloride	41.8	0.250	0.500	1.00	Y
108-38-3/106-42-	m,p-Xylene	96.6	0.500	1.00	2.00	
95-47-6	o-Xylene	47.7	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.79	99.3	75 - 120	
Dibromofluoromethane	30.00	30.08	100	85 - 115	
1,2-Dichloroethane-d4	30.00	30.17	101	70 - 120	
Toluene-d8	30.00	30.90	103	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Matrix: Laboratory ID: 1E19004-BLK1 File ID: 0519BL1.D

Sampled: Prepared: Analyzed: 05/19/11 08:24

Solids: Preparation: 5030B Dilution:

Batch: 1E19004 Sequence: 1E14009 Calibration: 1110001 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	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	X, 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	Q, 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_012

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

Matrix: Laboratory ID: 1E19004-BLK1 File ID: 0519BL1.D

Sampled: Prepared: Analyzed: 05/19/11 08:24

Solids: Preparation: 5030B Dilution:

Batch: 1E19004 Sequence: 1E14009 Calibration: 1110001 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	0.377	0.250	0.500	1.00	J
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	0.310	0.250	0.500	1.00	J
120-82-1	1,2,4-Trichlorobenzene	0.359	0.250	0.500	1.00	J
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	29.26	97.5	75 - 120	
Dibromofluoromethane	30.00	29.18	97.3	85 - 115	
1,2-Dichloroethane-d4	30.00	29.57	98.6	70 - 120	
Toluene-d8	30.00	31.16	104	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Matrix: Laboratory ID: 1E19004-BS1 File ID: 0519LS1.D

Sampled: Prepared: Analyzed: 05/19/11 07:07

Solids: Preparation: 5030B Dilution:

Batch: 1E19004 Sequence: 1E14009 Calibration: 1110001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	107	2.50	5.00	10.0	
71-43-2	Benzene	55.8	0.250	0.500	1.00	
108-86-1	Bromobenzene	52.6	0.250	0.500	1.00	
74-97-5	Bromochloromethane	50.6	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	48.4	0.250	0.500	1.00	
75-25-2	Bromoform	47.3	0.250	0.500	1.00	
74-83-9	Bromomethane	41.1	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	52.6	0.250	0.500	1.00	
78-93-3	2-Butanone	105	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	51.8	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	53.4	0.250	0.500	1.00	
75-15-0	Carbon disulfide	61.6	0.250	0.500	1.00	X
56-23-5	Carbon tetrachloride	46.4	0.250	0.500	1.00	
108-90-7	Chlorobenzene	53.2	0.250	0.500	1.00	
75-00-3	Chloroethane	51.9	0.500	1.00	2.00	
67-66-3	Chloroform	48.4	0.250	0.500	1.00	
74-87-3	Chloromethane	63.8	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	51.5	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	53.6	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	51.1	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	50.5	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	50.9	0.250	0.500	1.00	
74-95-3	Dibromomethane	51.5	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	51.4	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	49.4	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	47.5	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	64.1	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	55.3	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	47.4	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	52.5	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	51.7	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	52.5	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	54.4	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	46.6	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	52.4	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	50.0	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	55.8	0.250	0.500	1.00	
100-41-4	Ethylbenzene	53.8	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	48.7	0.250	0.500	1.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Matrix: Laboratory ID: 1E19004-BS1 File ID: 0519LS1.D

Sampled: Prepared: Analyzed: 05/19/11 07:07

Solids: Preparation: 5030B Dilution:

Batch: 1E19004 Sequence: 1E14009 Calibration: 1110001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	98.6	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	56.0	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	53.9	0.250	0.500	1.00	
75-09-2	Methylene chloride	55.1	0.500	1.00	2.00	
91-20-3	Naphthalene	53.1	0.250	0.500	1.00	B
108-10-1	4-Methyl-2-pentanone	100	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	51.4	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	53.3	0.250	0.500	1.00	
100-42-5	Styrene	53.3	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	54.5	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	50.7	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	53.3	0.250	0.500	1.00	
108-88-3	Toluene	52.7	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	50.9	0.250	0.500	1.00	B
120-82-1	1,2,4-Trichlorobenzene	47.7	0.250	0.500	1.00	B
79-00-5	1,1,2-Trichloroethane	50.5	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	45.7	0.250	0.500	1.00	
79-01-6	Trichloroethene	51.3	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	53.4	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	46.7	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	51.3	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	52.9	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	103	0.500	1.00	2.00	
95-47-6	o-Xylene	49.5	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.15	97.2	75 - 120	
Dibromofluoromethane	30.00	30.16	101	85 - 115	
1,2-Dichloroethane-d4	30.00	29.03	96.8	70 - 120	
Toluene-d8	30.00	30.93	103	85 - 120	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Matrix: Laboratory ID: 1E19004-BSD1 File ID: 0519LD1.D

Sampled: Prepared: Analyzed: 05/19/11 18:37

Solids: Preparation: 5030B Dilution:

Batch: 1E19004 Sequence: 1E14009 Calibration: 1110001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	103	2.50	5.00	10.0	
71-43-2	Benzene	53.8	0.250	0.500	1.00	
108-86-1	Bromobenzene	52.4	0.250	0.500	1.00	
74-97-5	Bromochloromethane	50.7	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	49.0	0.250	0.500	1.00	
75-25-2	Bromoform	47.7	0.250	0.500	1.00	
74-83-9	Bromomethane	39.0	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	49.5	0.250	0.500	1.00	
78-93-3	2-Butanone	112	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	50.3	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	51.4	0.250	0.500	1.00	
75-15-0	Carbon disulfide	58.0	0.250	0.500	1.00	X
56-23-5	Carbon tetrachloride	43.6	0.250	0.500	1.00	
108-90-7	Chlorobenzene	53.3	0.250	0.500	1.00	
75-00-3	Chloroethane	47.8	0.500	1.00	2.00	
67-66-3	Chloroform	48.0	0.250	0.500	1.00	
74-87-3	Chloromethane	58.5	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	52.1	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	52.1	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	50.1	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	54.4	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	54.8	0.250	0.500	1.00	
74-95-3	Dibromomethane	53.9	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	53.9	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	49.2	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	46.7	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	60.9	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	53.5	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	48.8	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	53.9	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	50.7	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	51.1	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	52.7	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	53.4	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	39.0	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	48.7	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	47.9	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	56.5	0.250	0.500	1.00	
100-41-4	Ethylbenzene	52.6	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	42.7	0.250	0.500	1.00	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Matrix: Laboratory ID: 1E19004-BSD1 File ID: 0519LD1.D

Sampled: Prepared: Analyzed: 05/19/11 18:37

Solids: Preparation: 5030B Dilution:

Batch: 1E19004 Sequence: 1E14009 Calibration: 1110001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	96.0	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	55.0	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	50.6	0.250	0.500	1.00	
75-09-2	Methylene chloride	53.8	0.500	1.00	2.00	
91-20-3	Naphthalene	52.4	0.250	0.500	1.00	B
108-10-1	4-Methyl-2-pentanone	102	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	54.0	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	52.6	0.250	0.500	1.00	
100-42-5	Styrene	54.4	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	57.5	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	49.9	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	50.9	0.250	0.500	1.00	
108-88-3	Toluene	52.4	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	47.4	0.250	0.500	1.00	B
120-82-1	1,2,4-Trichlorobenzene	47.3	0.250	0.500	1.00	B
79-00-5	1,1,2-Trichloroethane	53.3	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	43.5	0.250	0.500	1.00	
79-01-6	Trichloroethene	49.6	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	50.9	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	51.0	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	51.0	0.250	0.500	1.00	
75-01-4	Vinyl chloride	41.7	0.250	0.500	1.00	
108-38-3/106-42-	m,p-Xylene	103	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	29.19	97.3	75 - 120	
Dibromofluoromethane	30.00	30.81	103	85 - 115	
1,2-Dichloroethane-d4	30.00	31.06	104	70 - 120	
Toluene-d8	30.00	31.59	105	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Matrix: Laboratory ID: 1E20016-BLK1 File ID: 0520BL1.D

Sampled: Prepared: Analyzed: 05/20/11 09:39

Solids: Preparation: 5030B Dilution:

Batch: 1E20016 Sequence: 1E14101 Calibration: 1110001 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	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	X, 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_012

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

Matrix: Laboratory ID: 1E20016-BLK1 File ID: 0520BL1.D

Sampled: Prepared: Analyzed: 05/20/11 09:39

Solids: Preparation: 5030B Dilution:

Batch: 1E20016 Sequence: 1E14101 Calibration: 1110001 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	0.403	0.250	0.500	1.00	J
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	30.04	100	75 - 120	
Dibromofluoromethane	30.00	29.03	96.8	85 - 115	
1,2-Dichloroethane-d4	30.00	31.43	105	70 - 120	
Toluene-d8	30.00	32.10	107	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Matrix: Laboratory ID: 1E20016-BS1 File ID: 0520LS1.D

Sampled: Prepared: Analyzed: 05/20/11 07:52

Solids: Preparation: 5030B Dilution:

Batch: 1E20016 Sequence: 1E14101 Calibration: 1110001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	111	2.50	5.00	10.0	
71-43-2	Benzene	52.9	0.250	0.500	1.00	
108-86-1	Bromobenzene	49.0	0.250	0.500	1.00	
74-97-5	Bromochloromethane	49.6	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	47.8	0.250	0.500	1.00	
75-25-2	Bromoform	44.4	0.250	0.500	1.00	
74-83-9	Bromomethane	44.3	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	51.1	0.250	0.500	1.00	
78-93-3	2-Butanone	108	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	49.9	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	50.8	0.250	0.500	1.00	
75-15-0	Carbon disulfide	59.8	0.250	0.500	1.00	X
56-23-5	Carbon tetrachloride	45.1	0.250	0.500	1.00	
108-90-7	Chlorobenzene	51.9	0.250	0.500	1.00	
75-00-3	Chloroethane	48.5	0.500	1.00	2.00	
67-66-3	Chloroform	47.0	0.250	0.500	1.00	
74-87-3	Chloromethane	57.8	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	49.7	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	50.4	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	48.9	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	47.8	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	49.7	0.250	0.500	1.00	
74-95-3	Dibromomethane	49.4	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	46.8	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	45.2	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	58.9	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	52.3	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	47.0	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	52.9	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	50.3	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	51.5	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	51.3	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	49.5	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	46.6	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	50.3	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	46.9	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	53.8	0.250	0.500	1.00	
100-41-4	Ethylbenzene	52.5	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	47.9	0.250	0.500	1.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Matrix: Laboratory ID: 1E20016-BS1 File ID: 0520LS1.D

Sampled: Prepared: Analyzed: 05/20/11 07:52

Solids: Preparation: 5030B Dilution:

Batch: 1E20016 Sequence: 1E14101 Calibration: 1110001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	101	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	54.4	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	51.2	0.250	0.500	1.00	
75-09-2	Methylene chloride	50.5	0.500	1.00	2.00	
91-20-3	Naphthalene	51.4	0.250	0.500	1.00	B
108-10-1	4-Methyl-2-pentanone	103	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	51.7	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	51.1	0.250	0.500	1.00	
100-42-5	Styrene	52.9	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	51.3	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	48.8	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	51.5	0.250	0.500	1.00	
108-88-3	Toluene	51.6	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	48.7	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	44.8	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	50.0	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	44.6	0.250	0.500	1.00	
79-01-6	Trichloroethene	50.9	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	49.8	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	43.9	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	50.0	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	50.4	0.250	0.500	1.00	
75-01-4	Vinyl chloride	46.6	0.250	0.500	1.00	
108-38-3/106-42-	m,p-Xylene	100	0.500	1.00	2.00	
95-47-6	o-Xylene	48.6	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.56	102	75 - 120	
Dibromofluoromethane	30.00	30.62	102	85 - 115	
1,2-Dichloroethane-d4	30.00	31.24	104	70 - 120	
Toluene-d8	30.00	31.50	105	85 - 120	

HOLDING TIME SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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
GW0060	05/09/11 12:07	05/10/11 09:00	05/12/11 00:00	N/A	14.00	05/12/11 13:42	3.02	14.00	
GW8039-TB	05/09/11 08:00	05/10/11 09:00	05/17/11 00:00	N/A	14.00	05/17/11 10:01	8.04	14.00	
GW0085	05/10/11 13:31	05/11/11 09:00	05/13/11 00:00	N/A	14.00	05/13/11 14:33	3.00	14.00	
GW0086	05/10/11 13:31	05/11/11 09:00	05/13/11 00:00	N/A	14.00	05/13/11 15:03	3.02	14.00	
GW8040-TB	05/10/11 08:00	05/11/11 09:00	05/13/11 00:00	N/A	14.00	05/13/11 13:04	3.17	14.00	
GW0087	05/11/11 13:58	05/12/11 09:00	05/17/11 00:00	N/A	14.00	05/17/11 13:46	5.95	14.00	
GW0088	05/11/11 10:03	05/12/11 09:00	05/19/11 00:00	N/A	14.00	05/19/11 10:36	7.98	14.00	
GW8041-TB	05/11/11 08:00	05/12/11 09:00	05/17/11 00:00	N/A	14.00	05/17/11 12:07	6.13	14.00	
GW0099	05/12/11 13:42	05/13/11 09:00	05/17/11 00:00	N/A	14.00	05/17/11 14:11	4.98	14.00	
GW8042-TB	05/12/11 08:00	05/13/11 09:00	05/17/11 00:00	N/A	14.00	05/17/11 12:32	5.15	14.00	
GW0049	05/13/11 10:05	05/14/11 10:30	05/19/11 00:00	N/A	14.00	05/19/11 16:05	6.21	14.00	
GW0055	05/13/11 13:33	05/14/11 10:30	05/19/11 00:00	N/A	14.00	05/19/11 16:31	6.08	14.00	
GW0055	05/13/11 13:33	05/14/11 10:30	05/20/11 00:00	N/A	14.00	05/20/11 11:21	6.87	14.00	
GW8043-TB	05/13/11 08:00	05/14/11 10:30	05/19/11 00:00	N/A	14.00	05/19/11 10:11	6.05	14.00	

Data for SW8270C Forms

ANALYSIS DATA SHEET

GW0060

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105082-01	File ID:	0508201.D
Sampled:	05/09/11 12:07	Prepared:	05/13/11 11:45	Analyzed:	05/23/11 23:01
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1E12934 Sequence: 1E14407 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	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	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	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	X, U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	X, 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	X, U

ANALYSIS DATA SHEET

GW0060

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105082-01	File ID:	0508201.D
Sampled:	05/09/11 12:07	Prepared:	05/13/11 11:45	Analyzed:	05/23/11 23:01
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1E12934 Sequence: 1E14407 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	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
65794-96-9	3+4-Methylphenol		1.20	2.40	4.81	U
100-01-6	4-Nitroaniline		4.81	9.62	19.2	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	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	Y, 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	40.51	84.3	50 - 110	
2-Fluorophenol	96.15	39.72	41.3	20 - 110	
Nitrobenzene-d5	48.08	46.00	95.7	40 - 110	
Phenol-d6	96.15	25.52	26.5	10 - 110	
Terphenyl-d14	48.08	54.04	112	50 - 135	
2,4,6-Tribromophenol	96.15	90.33	93.9	40 - 125	

ANALYSIS DATA SHEET

GW0085

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105093-01	File ID:	0509301.D
Sampled:	05/10/11 13:31	Prepared:	05/13/11 11:45	Analyzed:	05/23/11 23:30
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1E12934 Sequence: 1E14407 Calibration: 1032006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
91-94-1	3,3'-Dichlorobenzidine		1.30	2.60	5.21	U
83-32-9	Acenaphthene		1.30	2.60	5.21	U
208-96-8	Acenaphthylene		1.30	2.60	5.21	U
98-86-2	Acetophenone		1.30	2.60	5.21	U
120-12-7	Anthracene		1.30	2.60	5.21	U
1912-24-9	Atrazine		1.30	2.60	5.21	U
100-52-7	Benzaldehyde		1.30	2.60	5.21	Y, U
92-87-5	Benzidine		13.0	26.0	52.1	U
56-55-3	Benzo(a)anthracene		1.30	2.60	5.21	U
50-32-8	Benzo(a)pyrene		1.30	2.60	5.21	U
205-99-2	Benzo(b)fluoranthene		1.30	2.60	5.21	U
191-24-2	Benzo(g,h,i)perylene		1.30	2.60	5.21	U
65-85-0	Benzoic acid		13.0	26.0	52.1	U
207-08-9	Benzo(k)fluoranthene		1.30	2.60	5.21	U
92-52-4	1,1-Biphenyl		1.30	2.60	5.21	U
101-55-3	4-Bromophenyl-phenylether		1.30	2.60	5.21	U
85-68-7	Butylbenzylphthalate		1.30	2.60	5.21	U
105-60-2	Caprolactam		1.30	2.60	5.21	U
86-74-8	Carbazole		1.30	2.60	5.21	U
59-50-7	4-Chloro-3-methylphenol		1.30	2.60	5.21	U
106-47-8	4-Chloroaniline		1.30	2.60	5.21	U
111-91-1	Bis(2-chloroethoxy)methane		1.30	2.60	5.21	U
111-44-4	Bis(2-chloroethyl)ether		1.30	2.60	5.21	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.30	2.60	5.21	U
91-58-7	2-Chloronaphthalene		1.30	2.60	5.21	X, U
95-57-8	2-Chlorophenol		1.30	2.60	5.21	U
7005-72-3	4-Chlorophenyl phenyl ether		1.30	2.60	5.21	U
218-01-9	Chrysene		1.30	2.60	5.21	U
53-70-3	Dibenz(a,h)anthracene		1.30	2.60	5.21	U
132-64-9	Dibenzofuran		1.30	2.60	5.21	U
84-74-2	Di-n-butylphthalate		1.30	2.60	5.21	U
120-83-2	2,4-Dichlorophenol		1.30	2.60	5.21	U
84-66-2	Diethylphthalate		1.30	2.60	5.21	U
105-67-9	2,4-Dimethylphenol		5.21	10.4	20.8	U
131-11-3	Dimethyl phthalate		1.30	2.60	5.21	U
534-52-1	4,6-Dinitro-2-methylphenol		5.21	10.4	20.8	X, U
51-28-5	2,4-Dinitrophenol		13.0	26.0	52.1	X, U
121-14-2	2,4-Dinitrotoluene		1.30	2.60	5.21	X, U
606-20-2	2,6-Dinitrotoluene		1.30	2.60	5.21	U
117-84-0	Di-n-octylphthalate		1.30	2.60	5.21	X, U

ANALYSIS DATA SHEET

GW0085

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105093-01	File ID:	0509301.D
Sampled:	05/10/11 13:31	Prepared:	05/13/11 11:45	Analyzed:	05/23/11 23:30
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1E12934 Sequence: 1E14407 Calibration: 1032006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.30	2.60	5.21	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.30	2.60	5.21	U
206-44-0	Fluoranthene		1.30	2.60	5.21	U
86-73-7	Fluorene		1.30	2.60	5.21	U
118-74-1	Hexachlorobenzene		1.30	2.60	5.21	U
87-68-3	Hexachlorobutadiene		1.30	2.60	5.21	U
77-47-4	Hexachlorocyclopentadiene		1.30	2.60	5.21	U
67-72-1	Hexachloroethane		1.30	2.60	5.21	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.30	2.60	5.21	U
78-59-1	Isophorone		1.30	2.60	5.21	U
90-12-0	1-Methylnaphthalene		1.30	2.60	5.21	U
91-57-6	2-Methylnaphthalene		1.30	2.60	5.21	U
95-48-7	2-Methylphenol		1.30	2.60	5.21	U
65794-96-9	3+4-Methylphenol		1.30	2.60	5.21	U
100-01-6	4-Nitroaniline		5.21	10.4	20.8	X, U
99-09-2	3-Nitroaniline		5.21	10.4	20.8	U
88-74-4	2-Nitroaniline		5.21	10.4	20.8	U
98-95-3	Nitrobenzene		1.30	2.60	5.21	U
100-02-7	4-Nitrophenol		5.21	10.4	20.8	U
88-75-5	2-Nitrophenol		1.30	2.60	5.21	U
86-30-6	N-Nitrosodiphenylamine		1.30	2.60	5.21	U
621-64-7	N-Nitroso-di-n-propylamine		1.30	2.60	5.21	Y, U
87-86-5	Pentachlorophenol		5.21	10.4	20.8	U
85-01-8	Phenanthrene		1.30	2.60	5.21	U
108-95-2	Phenol		1.30	2.60	5.21	U
129-00-0	Pyrene		1.30	2.60	5.21	U
88-06-2	2,4,6-Trichlorophenol		1.30	2.60	5.21	U
95-95-4	2,4,5-Trichlorophenol		1.30	2.60	5.21	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	52.08	43.69	83.9	50 - 110	
2-Fluorophenol	104.2	43.97	42.2	20 - 110	
Nitrobenzene-d5	52.08	42.61	81.8	40 - 110	
Phenol-d6	104.2	28.51	27.4	10 - 110	
Terphenyl-d14	52.08	60.00	115	50 - 135	
2,4,6-Tribromophenol	104.2	94.41	90.6	40 - 125	

ANALYSIS DATA SHEET

GW0086

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105093-03	File ID:	0509303.D
Sampled:	05/10/11 13:31	Prepared:	05/13/11 11:45	Analyzed:	05/23/11 23:59
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1E12934 Sequence: 1E14407 Calibration: 1032006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
91-94-1	3,3'-Dichlorobenzidine		1.17	2.34	4.67	U
83-32-9	Acenaphthene		1.17	2.34	4.67	U
208-96-8	Acenaphthylene		1.17	2.34	4.67	U
98-86-2	Acetophenone		1.17	2.34	4.67	U
120-12-7	Anthracene		1.17	2.34	4.67	U
1912-24-9	Atrazine		1.17	2.34	4.67	U
100-52-7	Benzaldehyde		1.17	2.34	4.67	Y, U
92-87-5	Benzidine		11.7	23.4	46.7	U
56-55-3	Benzo(a)anthracene		1.17	2.34	4.67	U
50-32-8	Benzo(a)pyrene		1.17	2.34	4.67	U
205-99-2	Benzo(b)fluoranthene		1.17	2.34	4.67	U
191-24-2	Benzo(g,h,i)perylene		1.17	2.34	4.67	U
65-85-0	Benzoic acid		11.7	23.4	46.7	U
207-08-9	Benzo(k)fluoranthene		1.17	2.34	4.67	U
92-52-4	1,1-Biphenyl		1.17	2.34	4.67	U
101-55-3	4-Bromophenyl-phenylether		1.17	2.34	4.67	U
85-68-7	Butylbenzylphthalate		1.17	2.34	4.67	U
105-60-2	Caprolactam		1.17	2.34	4.67	U
86-74-8	Carbazole		1.17	2.34	4.67	U
59-50-7	4-Chloro-3-methylphenol		1.17	2.34	4.67	U
106-47-8	4-Chloroaniline		1.17	2.34	4.67	U
111-91-1	Bis(2-chloroethoxy)methane		1.17	2.34	4.67	U
111-44-4	Bis(2-chloroethyl)ether		1.17	2.34	4.67	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.17	2.34	4.67	U
91-58-7	2-Chloronaphthalene		1.17	2.34	4.67	X, U
95-57-8	2-Chlorophenol		1.17	2.34	4.67	U
7005-72-3	4-Chlorophenyl phenyl ether		1.17	2.34	4.67	U
218-01-9	Chrysene		1.17	2.34	4.67	U
53-70-3	Dibenz(a,h)anthracene		1.17	2.34	4.67	U
132-64-9	Dibenzofuran		1.17	2.34	4.67	U
84-74-2	Di-n-butylphthalate		1.17	2.34	4.67	U
120-83-2	2,4-Dichlorophenol		1.17	2.34	4.67	U
84-66-2	Diethylphthalate		1.17	2.34	4.67	U
105-67-9	2,4-Dimethylphenol		4.67	9.35	18.7	U
131-11-3	Dimethyl phthalate		1.17	2.34	4.67	U
534-52-1	4,6-Dinitro-2-methylphenol		4.67	9.35	18.7	X, U
51-28-5	2,4-Dinitrophenol		11.7	23.4	46.7	X, U
121-14-2	2,4-Dinitrotoluene		1.17	2.34	4.67	X, U
606-20-2	2,6-Dinitrotoluene		1.17	2.34	4.67	U
117-84-0	Di-n-octylphthalate		1.17	2.34	4.67	X, U

ANALYSIS DATA SHEET

GW0086

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105093-03	File ID:	0509303.D
Sampled:	05/10/11 13:31	Prepared:	05/13/11 11:45	Analyzed:	05/23/11 23:59
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1E12934 Sequence: 1E14407 Calibration: 1032006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.17	2.34	4.67	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.17	2.34	4.67	U
206-44-0	Fluoranthene		1.17	2.34	4.67	U
86-73-7	Fluorene		1.17	2.34	4.67	U
118-74-1	Hexachlorobenzene		1.17	2.34	4.67	U
87-68-3	Hexachlorobutadiene		1.17	2.34	4.67	U
77-47-4	Hexachlorocyclopentadiene		1.17	2.34	4.67	U
67-72-1	Hexachloroethane		1.17	2.34	4.67	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.17	2.34	4.67	U
78-59-1	Isophorone		1.17	2.34	4.67	U
90-12-0	1-Methylnaphthalene		1.17	2.34	4.67	U
91-57-6	2-Methylnaphthalene		1.17	2.34	4.67	U
95-48-7	2-Methylphenol		1.17	2.34	4.67	U
65794-96-9	3+4-Methylphenol		1.17	2.34	4.67	U
100-01-6	4-Nitroaniline		4.67	9.35	18.7	X, U
99-09-2	3-Nitroaniline		4.67	9.35	18.7	U
88-74-4	2-Nitroaniline		4.67	9.35	18.7	U
98-95-3	Nitrobenzene		1.17	2.34	4.67	U
100-02-7	4-Nitrophenol		4.67	9.35	18.7	U
88-75-5	2-Nitrophenol		1.17	2.34	4.67	U
86-30-6	N-Nitrosodiphenylamine		1.17	2.34	4.67	U
621-64-7	N-Nitroso-di-n-propylamine		1.17	2.34	4.67	Y, U
87-86-5	Pentachlorophenol		4.67	9.35	18.7	U
85-01-8	Phenanthrene		1.17	2.34	4.67	U
108-95-2	Phenol		1.17	2.34	4.67	U
129-00-0	Pyrene		1.17	2.34	4.67	U
88-06-2	2,4,6-Trichlorophenol		1.17	2.34	4.67	U
95-95-4	2,4,5-Trichlorophenol		1.17	2.34	4.67	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.73	41.26	88.3	50 - 110	
2-Fluorophenol	93.46	33.42	35.8	20 - 110	
Nitrobenzene-d5	46.73	44.13	94.4	40 - 110	
Phenol-d6	93.46	20.06	21.5	10 - 110	
Terphenyl-d14	46.73	49.72	106	50 - 135	
2,4,6-Tribromophenol	93.46	79.41	85.0	40 - 125	

ANALYSIS DATA SHEET

GW0087

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105113-01	File ID:	0511301.D
Sampled:	05/11/11 13:58	Prepared:	05/13/11 11:45	Analyzed:	05/24/11 02:22
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1E12934 Sequence: 1E14407 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	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	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	U
86-74-8	Carbazole		1.18	2.36	4.72	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	X, 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, U

ANALYSIS DATA SHEET

GW0087

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105113-01	File ID:	0511301.D
Sampled:	05/11/11 13:58	Prepared:	05/13/11 11:45	Analyzed:	05/24/11 02:22
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1E12934 Sequence: 1E14407 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	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
65794-96-9	3+4-Methylphenol		1.18	2.36	4.72	U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	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	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	Y, 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	45.50	96.5	50 - 110	
2-Fluorophenol	94.34	37.48	39.7	20 - 110	
Nitrobenzene-d5	47.17	42.74	90.6	40 - 110	
Phenol-d6	94.34	22.52	23.9	10 - 110	
Terphenyl-d14	47.17	54.67	116	50 - 135	
2,4,6-Tribromophenol	94.34	95.95	102	40 - 125	

ANALYSIS DATA SHEET

GW0088

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105113-03	File ID:	0511303.D
Sampled:	05/11/11 10:03	Prepared:	05/13/11 11:45	Analyzed:	05/24/11 02:51
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1E12934 Sequence: 1E14407 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	20.1	1.18	2.36	4.72	
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	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	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	U
86-74-8	Carbazole		1.18	2.36	4.72	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	X, 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, U

ANALYSIS DATA SHEET

GW0088

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105113-03	File ID:	0511303.D
Sampled:	05/11/11 10:03	Prepared:	05/13/11 11:45	Analyzed:	05/24/11 02:51
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1E12934 Sequence: 1E14407 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	U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene	3.77	1.18	2.36	4.72	J
91-57-6	2-Methylnaphthalene	3.42	1.18	2.36	4.72	J
95-48-7	2-Methylphenol		1.18	2.36	4.72	U
65794-96-9	3+4-Methylphenol	6.28	1.18	2.36	4.72	
100-01-6	4-Nitroaniline		4.72	9.43	18.9	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	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	Y, 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	41.41	87.8	50 - 110	
2-Fluorophenol	94.34	41.42	43.9	20 - 110	
Nitrobenzene-d5	47.17	40.81	86.5	40 - 110	
Phenol-d6	94.34	23.80	25.2	10 - 110	
Terphenyl-d14	47.17	64.32	136	50 - 135	*
2,4,6-Tribromophenol	94.34	94.37	100	40 - 125	

ANALYSIS DATA SHEET

GW0099

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1105122-01	File ID:	0512201.D
Sampled:	05/12/11 13:42	Prepared:	05/18/11 12:15	Analyzed:	05/19/11 19:48
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1E17015 Sequence: 1E14006 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
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	Y, U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	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	Q, U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	Q, U
105-60-2	Caprolactam		1.18	2.36	4.72	Q, U
86-74-8	Carbazole		1.18	2.36	4.72	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	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	Q, U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	Q, U
91-94-1	3,3'-Dichlorobenzidine		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	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	U

ANALYSIS DATA SHEET

GW0099

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1105122-01	File ID:	0512201.D
Sampled:	05/12/11 13:42	Prepared:	05/18/11 12:15	Analyzed:	05/19/11 19:48
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1E17015 Sequence: 1E14006 Calibration: 1122001 Instrument: MS-BNA3

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	Q, 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	Q, 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	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
65794-96-9	3+4-Methylphenol		1.18	2.36	4.72	U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	U
98-95-3	Nitrobenzene		1.18	2.36	4.72	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	Y, 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	47.09	99.8	50 - 110	
2-Fluorophenol	94.34	32.55	34.5	20 - 110	
Nitrobenzene-d5	47.17	37.94	80.4	40 - 110	
Phenol-d6	94.34	17.09	18.1	10 - 110	
Terphenyl-d14	47.17	42.87	90.9	50 - 135	
2,4,6-Tribromophenol	94.34	95.81	102	40 - 125	

ANALYSIS DATA SHEET

GW0049

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1105137-01	File ID:	0513701D.D
Sampled:	05/13/11 10:05	Prepared:	05/18/11 12:15	Analyzed:	06/05/11 07:49
Solids:		Preparation:	EXT_3510	Dilution:	10

Batch: 1E17015 Sequence: 1F15808 Calibration: 1032006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
91-94-1	3,3'-Dichlorobenzidine		12.5	25.0	50.0	U
83-32-9	Acenaphthene		12.5	25.0	50.0	U
208-96-8	Acenaphthylene		12.5	25.0	50.0	U
98-86-2	Acetophenone	127	12.5	25.0	50.0	D
120-12-7	Anthracene		12.5	25.0	50.0	U
1912-24-9	Atrazine		12.5	25.0	50.0	U
100-52-7	Benzaldehyde		12.5	25.0	50.0	U
92-87-5	Benzidine		125	250	500	X, U
56-55-3	Benzo(a)anthracene		12.5	25.0	50.0	U
50-32-8	Benzo(a)pyrene		12.5	25.0	50.0	U
205-99-2	Benzo(b)fluoranthene		12.5	25.0	50.0	U
191-24-2	Benzo(g,h,i)perylene		12.5	25.0	50.0	U
65-85-0	Benzoic acid		125	250	500	U
207-08-9	Benzo(k)fluoranthene		12.5	25.0	50.0	U
92-52-4	1,1-Biphenyl		12.5	25.0	50.0	U
101-55-3	4-Bromophenyl-phenylether		12.5	25.0	50.0	Q, U
85-68-7	Butylbenzylphthalate		12.5	25.0	50.0	Q, U
105-60-2	Caprolactam		12.5	25.0	50.0	Q, U
86-74-8	Carbazole		12.5	25.0	50.0	U
59-50-7	4-Chloro-3-methylphenol		12.5	25.0	50.0	X, U
106-47-8	4-Chloroaniline		12.5	25.0	50.0	U
111-91-1	Bis(2-chloroethoxy)methane		12.5	25.0	50.0	U
111-44-4	Bis(2-chloroethyl)ether		12.5	25.0	50.0	Y, U
108-60-1	2,2'-Oxybis-1-chloropropane		12.5	25.0	50.0	Y, U
91-58-7	2-Chloronaphthalene		12.5	25.0	50.0	U
95-57-8	2-Chlorophenol		12.5	25.0	50.0	U
7005-72-3	4-Chlorophenyl phenyl ether		12.5	25.0	50.0	U
218-01-9	Chrysene		12.5	25.0	50.0	U
53-70-3	Dibenz(a,h)anthracene		12.5	25.0	50.0	U
132-64-9	Dibenzofuran		12.5	25.0	50.0	Q, U
84-74-2	Di-n-butylphthalate		12.5	25.0	50.0	Q, U
120-83-2	2,4-Dichlorophenol		12.5	25.0	50.0	X, U
84-66-2	Diethylphthalate		12.5	25.0	50.0	U
105-67-9	2,4-Dimethylphenol		50.0	100	200	X, U
131-11-3	Dimethyl phthalate		12.5	25.0	50.0	U
534-52-1	4,6-Dinitro-2-methylphenol		50.0	100	200	U
51-28-5	2,4-Dinitrophenol		125	250	500	U
121-14-2	2,4-Dinitrotoluene		12.5	25.0	50.0	U
606-20-2	2,6-Dinitrotoluene		12.5	25.0	50.0	U
117-84-0	Di-n-octylphthalate		12.5	25.0	50.0	Y, U

ANALYSIS DATA SHEET

GW0049

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1105137-01	File ID:	0513701D.D
Sampled:	05/13/11 10:05	Prepared:	05/18/11 12:15	Analyzed:	06/05/11 07:49
Solids:		Preparation:	EXT_3510	Dilution:	10

Batch: 1E17015 Sequence: 1F15808 Calibration: 1032006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		12.5	25.0	50.0	Y, U
117-81-7	Bis(2-ethylhexyl)phthalate		12.5	25.0	50.0	Q, Y, U
206-44-0	Fluoranthene		12.5	25.0	50.0	U
86-73-7	Fluorene		12.5	25.0	50.0	U
118-74-1	Hexachlorobenzene		12.5	25.0	50.0	Q, U
87-68-3	Hexachlorobutadiene		12.5	25.0	50.0	X, U
77-47-4	Hexachlorocyclopentadiene		12.5	25.0	50.0	U
67-72-1	Hexachloroethane		12.5	25.0	50.0	U
193-39-5	Indeno(1,2,3-cd)pyrene		12.5	25.0	50.0	U
78-59-1	Isophorone		12.5	25.0	50.0	U
90-12-0	1-Methylnaphthalene	22.6	12.5	25.0	50.0	J, D
91-57-6	2-Methylnaphthalene	23.6	12.5	25.0	50.0	J, D
95-48-7	2-Methylphenol	286	12.5	25.0	50.0	D
65794-96-9	3+4-Methylphenol	19.8	12.5	25.0	50.0	J, D
100-01-6	4-Nitroaniline		50.0	100	200	X, U
99-09-2	3-Nitroaniline		50.0	100	200	U
88-74-4	2-Nitroaniline		50.0	100	200	U
98-95-3	Nitrobenzene		12.5	25.0	50.0	U
100-02-7	4-Nitrophenol		50.0	100	200	U
88-75-5	2-Nitrophenol		12.5	25.0	50.0	U
86-30-6	N-Nitrosodiphenylamine		12.5	25.0	50.0	U
621-64-7	N-Nitroso-di-n-propylamine		12.5	25.0	50.0	Y, U
87-86-5	Pentachlorophenol		50.0	100	200	U
85-01-8	Phenanthrene		12.5	25.0	50.0	U
108-95-2	Phenol		12.5	25.0	50.0	U
129-00-0	Pyrene		12.5	25.0	50.0	U
88-06-2	2,4,6-Trichlorophenol		12.5	25.0	50.0	U
95-95-4	2,4,5-Trichlorophenol		12.5	25.0	50.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	46.98	94.0	50 - 110	
2-Fluorophenol	100.0	39.57	39.6	20 - 110	
Nitrobenzene-d5	50.00	45.24	90.5	40 - 110	
Phenol-d6	100.0	24.96	25.0	10 - 110	
Terphenyl-d14	50.00	45.43	90.9	50 - 135	
2,4,6-Tribromophenol	100.0	105.3	105	40 - 125	

ANALYSIS DATA SHEET

GW0055

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1105137-03	File ID:	0513703D.D
Sampled:	05/13/11 13:33	Prepared:	05/18/11 12:15	Analyzed:	06/05/11 08:17
Solids:		Preparation:	EXT_3510	Dilution:	10

Batch: 1E17015 Sequence: 1F15808 Calibration: 1032006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
91-94-1	3,3'-Dichlorobenzidine		12.0	24.0	48.1	U
83-32-9	Acenaphthene		12.0	24.0	48.1	U
208-96-8	Acenaphthylene		12.0	24.0	48.1	U
98-86-2	Acetophenone	4650	12.0	24.0	48.1	D, E
120-12-7	Anthracene		12.0	24.0	48.1	U
1912-24-9	Atrazine		12.0	24.0	48.1	U
100-52-7	Benzaldehyde		12.0	24.0	48.1	U
92-87-5	Benzidine		120	240	481	X, U
56-55-3	Benzo(a)anthracene		12.0	24.0	48.1	U
50-32-8	Benzo(a)pyrene		12.0	24.0	48.1	U
205-99-2	Benzo(b)fluoranthene		12.0	24.0	48.1	U
191-24-2	Benzo(g,h,i)perylene		12.0	24.0	48.1	U
65-85-0	Benzoic acid		120	240	481	U
207-08-9	Benzo(k)fluoranthene		12.0	24.0	48.1	U
92-52-4	1,1-Biphenyl		12.0	24.0	48.1	U
101-55-3	4-Bromophenyl-phenylether		12.0	24.0	48.1	Q, U
85-68-7	Butylbenzylphthalate		12.0	24.0	48.1	Q, U
105-60-2	Caprolactam		12.0	24.0	48.1	Q, U
86-74-8	Carbazole		12.0	24.0	48.1	U
59-50-7	4-Chloro-3-methylphenol		12.0	24.0	48.1	X, U
106-47-8	4-Chloroaniline		12.0	24.0	48.1	U
111-91-1	Bis(2-chloroethoxy)methane		12.0	24.0	48.1	U
111-44-4	Bis(2-chloroethyl)ether		12.0	24.0	48.1	Y, U
108-60-1	2,2'-Oxybis-1-chloropropane		12.0	24.0	48.1	Y, U
91-58-7	2-Chloronaphthalene		12.0	24.0	48.1	U
95-57-8	2-Chlorophenol		12.0	24.0	48.1	U
7005-72-3	4-Chlorophenyl phenyl ether		12.0	24.0	48.1	U
218-01-9	Chrysene		12.0	24.0	48.1	U
53-70-3	Dibenz(a,h)anthracene		12.0	24.0	48.1	U
132-64-9	Dibenzofuran		12.0	24.0	48.1	Q, U
84-74-2	Di-n-butylphthalate		12.0	24.0	48.1	Q, U
120-83-2	2,4-Dichlorophenol		12.0	24.0	48.1	X, U
84-66-2	Diethylphthalate		12.0	24.0	48.1	U
105-67-9	2,4-Dimethylphenol		48.1	96.2	192	X, U
131-11-3	Dimethyl phthalate		12.0	24.0	48.1	U
534-52-1	4,6-Dinitro-2-methylphenol		48.1	96.2	192	U
51-28-5	2,4-Dinitrophenol		120	240	481	U
121-14-2	2,4-Dinitrotoluene		12.0	24.0	48.1	U
606-20-2	2,6-Dinitrotoluene		12.0	24.0	48.1	U
117-84-0	Di-n-octylphthalate		12.0	24.0	48.1	Y, U

ANALYSIS DATA SHEET

GW0055

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1105137-03	File ID:	0513703D.D
Sampled:	05/13/11 13:33	Prepared:	05/18/11 12:15	Analyzed:	06/05/11 08:17
Solids:		Preparation:	EXT_3510	Dilution:	10

Batch: 1E17015 Sequence: 1F15808 Calibration: 1032006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		12.0	24.0	48.1	Y, U
117-81-7	Bis(2-ethylhexyl)phthalate		12.0	24.0	48.1	Q, Y, U
206-44-0	Fluoranthene		12.0	24.0	48.1	U
86-73-7	Fluorene		12.0	24.0	48.1	U
118-74-1	Hexachlorobenzene		12.0	24.0	48.1	Q, U
87-68-3	Hexachlorobutadiene		12.0	24.0	48.1	X, U
77-47-4	Hexachlorocyclopentadiene		12.0	24.0	48.1	U
67-72-1	Hexachloroethane		12.0	24.0	48.1	U
193-39-5	Indeno(1,2,3-cd)pyrene		12.0	24.0	48.1	U
78-59-1	Isophorone		12.0	24.0	48.1	U
90-12-0	1-Methylnaphthalene	24.5	12.0	24.0	48.1	J, D
91-57-6	2-Methylnaphthalene	27.7	12.0	24.0	48.1	J, D
95-48-7	2-Methylphenol		12.0	24.0	48.1	U
65794-96-9	3+4-Methylphenol		12.0	24.0	48.1	U
100-01-6	4-Nitroaniline		48.1	96.2	192	X, U
99-09-2	3-Nitroaniline		48.1	96.2	192	U
88-74-4	2-Nitroaniline		48.1	96.2	192	U
98-95-3	Nitrobenzene		12.0	24.0	48.1	U
100-02-7	4-Nitrophenol		48.1	96.2	192	U
88-75-5	2-Nitrophenol		12.0	24.0	48.1	U
86-30-6	N-Nitrosodiphenylamine		12.0	24.0	48.1	U
621-64-7	N-Nitroso-di-n-propylamine		12.0	24.0	48.1	Y, U
87-86-5	Pentachlorophenol		48.1	96.2	192	U
85-01-8	Phenanthrene		12.0	24.0	48.1	U
108-95-2	Phenol		12.0	24.0	48.1	U
129-00-0	Pyrene		12.0	24.0	48.1	U
88-06-2	2,4,6-Trichlorophenol		12.0	24.0	48.1	U
95-95-4	2,4,5-Trichlorophenol		12.0	24.0	48.1	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	45.38	94.4	50 - 110	
2-Fluorophenol	96.15	35.59	37.0	20 - 110	
Nitrobenzene-d5	48.08	46.89	97.5	40 - 110	
Phenol-d6	96.15	24.07	25.0	10 - 110	
Terphenyl-d14	48.08	45.82	95.3	50 - 135	
2,4,6-Tribromophenol	96.15	108.9	113	40 - 125	

ANALYSIS DATA SHEET

GW0055

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1105137-03RE1	File ID:	0513703D.D
Sampled:	05/13/11 13:33	Prepared:	05/18/11 12:15	Analyzed:	06/06/11 22:06
Solids:		Preparation:	EXT_3510	Dilution:	100

Batch: 1E17015 Sequence: 1F15917 Calibration: 1032006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
91-94-1	3,3'-Dichlorobenzidine		120	240	481	U
83-32-9	Acenaphthene		120	240	481	U
208-96-8	Acenaphthylene		120	240	481	U
98-86-2	Acetophenone	5350	120	240	481	D
120-12-7	Anthracene		120	240	481	U
1912-24-9	Atrazine		120	240	481	U
100-52-7	Benzaldehyde		120	240	481	Y, U
92-87-5	Benzidine		1200	2400	4810	U
56-55-3	Benzo(a)anthracene		120	240	481	U
50-32-8	Benzo(a)pyrene		120	240	481	U
205-99-2	Benzo(b)fluoranthene		120	240	481	X, U
191-24-2	Benzo(g,h,i)perylene		120	240	481	U
65-85-0	Benzoic acid		1200	2400	4810	U
207-08-9	Benzo(k)fluoranthene		120	240	481	U
92-52-4	1,1-Biphenyl		120	240	481	U
101-55-3	4-Bromophenyl-phenylether		120	240	481	Q, U
85-68-7	Butylbenzylphthalate		120	240	481	Q, U
105-60-2	Caprolactam		120	240	481	Q, U
86-74-8	Carbazole		120	240	481	U
59-50-7	4-Chloro-3-methylphenol		120	240	481	X, U
106-47-8	4-Chloroaniline		120	240	481	U
111-91-1	Bis(2-chloroethoxy)methane		120	240	481	Y, U
111-44-4	Bis(2-chloroethyl)ether		120	240	481	U
108-60-1	2,2'-Oxybis-1-chloropropane		120	240	481	Y, U
91-58-7	2-Chloronaphthalene		120	240	481	X, U
95-57-8	2-Chlorophenol		120	240	481	U
7005-72-3	4-Chlorophenyl phenyl ether		120	240	481	X, U
218-01-9	Chrysene		120	240	481	U
53-70-3	Dibenz(a,h)anthracene		120	240	481	U
132-64-9	Dibenzofuran		120	240	481	Q, U
84-74-2	Di-n-butylphthalate		120	240	481	Q, U
120-83-2	2,4-Dichlorophenol		120	240	481	U
84-66-2	Diethylphthalate		120	240	481	X, U
105-67-9	2,4-Dimethylphenol		481	962	1920	U
131-11-3	Dimethyl phthalate		120	240	481	U
534-52-1	4,6-Dinitro-2-methylphenol		481	962	1920	X, U
51-28-5	2,4-Dinitrophenol		1200	2400	4810	X, U
121-14-2	2,4-Dinitrotoluene		120	240	481	U
606-20-2	2,6-Dinitrotoluene		120	240	481	U
117-84-0	Di-n-octylphthalate		120	240	481	X, U

ANALYSIS DATA SHEET

GW0055

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1105137-03RE1	File ID:	0513703D.D
Sampled:	05/13/11 13:33	Prepared:	05/18/11 12:15	Analyzed:	06/06/11 22:06
Solids:		Preparation:	EXT_3510	Dilution:	100

Batch: 1E17015 Sequence: 1F15917 Calibration: 1032006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		120	240	481	U
117-81-7	Bis(2-ethylhexyl)phthalate		120	240	481	Q, U
206-44-0	Fluoranthene		120	240	481	U
86-73-7	Fluorene		120	240	481	U
118-74-1	Hexachlorobenzene		120	240	481	Q, U
87-68-3	Hexachlorobutadiene		120	240	481	X, U
77-47-4	Hexachlorocyclopentadiene		120	240	481	X, U
67-72-1	Hexachloroethane		120	240	481	X, U
193-39-5	Indeno(1,2,3-cd)pyrene		120	240	481	U
78-59-1	Isophorone		120	240	481	U
90-12-0	1-Methylnaphthalene		120	240	481	U
91-57-6	2-Methylnaphthalene		120	240	481	U
95-48-7	2-Methylphenol		120	240	481	U
65794-96-9	3+4-Methylphenol		120	240	481	U
100-01-6	4-Nitroaniline		481	962	1920	X, U
99-09-2	3-Nitroaniline		481	962	1920	U
88-74-4	2-Nitroaniline		481	962	1920	X, U
98-95-3	Nitrobenzene		120	240	481	U
100-02-7	4-Nitrophenol		481	962	1920	X, U
88-75-5	2-Nitrophenol		120	240	481	U
86-30-6	N-Nitrosodiphenylamine		120	240	481	U
621-64-7	N-Nitroso-di-n-propylamine		120	240	481	U
87-86-5	Pentachlorophenol		481	962	1920	U
85-01-8	Phenanthrene		120	240	481	U
108-95-2	Phenol		120	240	481	U
129-00-0	Pyrene		120	240	481	U
88-06-2	2,4,6-Trichlorophenol		120	240	481	X, U
95-95-4	2,4,5-Trichlorophenol		120	240	481	X, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	0.000		50 - 110	DU
2-Fluorophenol	96.15	0.000		20 - 110	DU
Nitrobenzene-d5	48.08	0.000		40 - 110	DU
Phenol-d6	96.15	0.000		10 - 110	DU
Terphenyl-d14	48.08	0.000		50 - 135	DU
2,4,6-Tribromophenol	96.15	0.000		40 - 125	DU

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E13813	Instrument:	MS-BNA1
		Calibration:	1032006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1E13813-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 05/17/11 18:14		
2-Fluorobiphenyl	50.00	91.6	80 - 120	8.982	8.982	0.0000	+/-0.500	
2-Fluorophenol	100.0	100	80 - 120	4.668	4.668	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	102	80 - 120	6.816	6.816	0.0000	+/-0.500	
Phenol-d6	100.0	90.3	80 - 120	5.744	5.744	0.0000	+/-0.500	
Terphenyl-d14	50.00	109	80 - 120	13.567	13.567	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	117	80 - 120	10.761	10.761	0.0000	+/-0.500	
Blank (1E12934-BLK1) ug/L				Lab File ID: E12934B1.D		Analyzed: 05/17/11 19:11		
2-Fluorobiphenyl	50.00	68.7	50 - 110	8.98	8.982	-0.0020	+/-0.500	
2-Fluorophenol	100.0	42.4	20 - 110	4.662	4.668	-0.0060	+/-0.500	
Nitrobenzene-d5	50.00	79.7	40 - 110	6.808	6.816	-0.0080	+/-0.500	
Phenol-d6	100.0	23.3	10 - 110	5.725	5.744	-0.0190	+/-0.500	
Terphenyl-d14	50.00	110	50 - 135	13.566	13.567	-0.0010	+/-0.500	
2,4,6-Tribromophenol	100.0	87.9	40 - 125	10.751	10.761	-0.0100	+/-0.500	
LCS (1E12934-BS1) ug/L				Lab File ID: E12934L1.D		Analyzed: 05/17/11 20:37		
2-Fluorobiphenyl	50.00	83.5	50 - 110	8.984	8.982	0.0020	+/-0.500	
2-Fluorophenol	100.0	49.2	20 - 110	4.669	4.668	0.0010	+/-0.500	
Nitrobenzene-d5	50.00	95.9	40 - 110	6.813	6.816	-0.0030	+/-0.500	
Phenol-d6	100.0	28.0	10 - 110	5.733	5.744	-0.0110	+/-0.500	
Terphenyl-d14	50.00	106	50 - 135	13.566	13.567	-0.0010	+/-0.500	
2,4,6-Tribromophenol	100.0	101	40 - 125	10.76	10.761	-0.0010	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E14006	Instrument:	MS-BNA3
		Calibration:	1122001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1E14006-CCV1) ug/mL				Lab File ID: SEQ-CCV3.D		Analyzed: 05/19/11 13:14		
2-Fluorobiphenyl	50.00	106	80 - 120	9.126	9.126	0.0000	+/-0.500	
2-Fluorophenol	100.0	92.3	80 - 120	4.446	4.446	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	86.8	80 - 120	6.818	6.818	0.0000	+/-0.500	
Phenol-d6	100.0	91.7	80 - 120	5.632	5.632	0.0000	+/-0.500	
Terphenyl-d14	50.00	107	80 - 120	14.019	14.019	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	111	80 - 120	10.942	10.942	0.0000	+/-0.500	
Blank (1E17015-BLK1) ug/L				Lab File ID: E17015B1.D		Analyzed: 05/19/11 16:31		
2-Fluorobiphenyl	50.00	81.1	50 - 110	9.121	9.126	-0.0050	+/-0.500	
2-Fluorophenol	100.0	33.6	20 - 110	4.452	4.446	0.0060	+/-0.500	
Nitrobenzene-d5	50.00	61.9	40 - 110	6.819	6.818	0.0010	+/-0.500	
Phenol-d6	100.0	18.0	10 - 110	5.622	5.632	-0.0100	+/-0.500	
Terphenyl-d14	50.00	108	50 - 135	14.025	14.019	0.0060	+/-0.500	
2,4,6-Tribromophenol	100.0	99.6	40 - 125	10.943	10.942	0.0010	+/-0.500	
LCS (1E17015-BS1) ug/L				Lab File ID: E17015L1.D		Analyzed: 05/19/11 17:04		
2-Fluorobiphenyl	50.00	106	50 - 110	9.118	9.126	-0.0080	+/-0.500	
2-Fluorophenol	100.0	45.8	20 - 110	4.444	4.446	-0.0020	+/-0.500	
Nitrobenzene-d5	50.00	86.2	40 - 110	6.816	6.818	-0.0020	+/-0.500	
Phenol-d6	100.0	27.0	10 - 110	5.624	5.632	-0.0080	+/-0.500	
Terphenyl-d14	50.00	116	50 - 135	14.017	14.019	-0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	117	40 - 125	10.94	10.942	-0.0020	+/-0.500	
LCS Dup (1E17015-BSD1) ug/L				Lab File ID: E17015L2.D		Analyzed: 05/19/11 17:37		
2-Fluorobiphenyl	50.00	107	50 - 110	9.118	9.126	-0.0080	+/-0.500	
2-Fluorophenol	100.0	44.3	20 - 110	4.444	4.446	-0.0020	+/-0.500	
Nitrobenzene-d5	50.00	84.5	40 - 110	6.816	6.818	-0.0020	+/-0.500	
Phenol-d6	100.0	27.3	10 - 110	5.619	5.632	-0.0130	+/-0.500	
Terphenyl-d14	50.00	103	50 - 135	14.012	14.019	-0.0070	+/-0.500	
2,4,6-Tribromophenol	100.0	108	40 - 125	10.94	10.942	-0.0020	+/-0.500	
GW0099 (1105122-01) ug/L				Lab File ID: 0512201.D		Analyzed: 05/19/11 19:48		
2-Fluorobiphenyl	47.17	99.8	50 - 110	9.117	9.126	-0.0090	+/-0.500	
2-Fluorophenol	94.34	34.5	20 - 110	4.437	4.446	-0.0090	+/-0.500	
Nitrobenzene-d5	47.17	80.4	40 - 110	6.809	6.818	-0.0090	+/-0.500	
Phenol-d6	94.34	18.1	10 - 110	5.612	5.632	-0.0200	+/-0.500	
Terphenyl-d14	47.17	90.9	50 - 135	14.01	14.019	-0.0090	+/-0.500	
2,4,6-Tribromophenol	94.34	102	40 - 125	10.933	10.942	-0.0090	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E14407	Instrument:	MS-BNA1
		Calibration:	1032006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1E14407-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 05/23/11 15:35		
2-Fluorobiphenyl	50.00	110	80 - 120	8.784	8.784	0.0000	+/-0.500	
2-Fluorophenol	100.0	104	80 - 120	4.48	4.48	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	116	80 - 120	6.62	6.62	0.0000	+/-0.500	
Phenol-d6	100.0	103	80 - 120	5.561	5.561	0.0000	+/-0.500	
Terphenyl-d14	50.00	114	80 - 120	13.36	13.36	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	114	80 - 120	10.554	10.554	0.0000	+/-0.500	
GW0060 (1105082-01) ug/L				Lab File ID: 0508201.D		Analyzed: 05/23/11 23:01		
2-Fluorobiphenyl	48.08	84.3	50 - 110	8.78	8.784	-0.0040	+/-0.500	
2-Fluorophenol	96.15	41.3	20 - 110	4.467	4.48	-0.0130	+/-0.500	
Nitrobenzene-d5	48.08	95.7	40 - 110	6.606	6.62	-0.0140	+/-0.500	
Phenol-d6	96.15	26.5	10 - 110	5.542	5.561	-0.0190	+/-0.500	
Terphenyl-d14	48.08	112	50 - 135	13.352	13.36	-0.0080	+/-0.500	
2,4,6-Tribromophenol	96.15	93.9	40 - 125	10.545	10.554	-0.0090	+/-0.500	
GW0085 (1105093-01) ug/L				Lab File ID: 0509301.D		Analyzed: 05/23/11 23:30		
2-Fluorobiphenyl	52.08	83.9	50 - 110	8.78	8.784	-0.0040	+/-0.500	
2-Fluorophenol	104.2	42.2	20 - 110	4.465	4.48	-0.0150	+/-0.500	
Nitrobenzene-d5	52.08	81.8	40 - 110	6.608	6.62	-0.0120	+/-0.500	
Phenol-d6	104.2	27.4	10 - 110	5.541	5.561	-0.0200	+/-0.500	
Terphenyl-d14	52.08	115	50 - 135	13.356	13.36	-0.0040	+/-0.500	
2,4,6-Tribromophenol	104.2	90.6	40 - 125	10.543	10.554	-0.0110	+/-0.500	
GW0086 (1105093-03) ug/L				Lab File ID: 0509303.D		Analyzed: 05/23/11 23:59		
2-Fluorobiphenyl	46.73	88.3	50 - 110	8.779	8.784	-0.0050	+/-0.500	
2-Fluorophenol	93.46	35.8	20 - 110	4.465	4.48	-0.0150	+/-0.500	
Nitrobenzene-d5	46.73	94.4	40 - 110	6.609	6.62	-0.0110	+/-0.500	
Phenol-d6	93.46	21.5	10 - 110	5.54	5.561	-0.0210	+/-0.500	
Terphenyl-d14	46.73	106	50 - 135	13.355	13.36	-0.0050	+/-0.500	
2,4,6-Tribromophenol	93.46	85.0	40 - 125	10.543	10.554	-0.0110	+/-0.500	
GW0087 (1105113-01) ug/L				Lab File ID: 0511301.D		Analyzed: 05/24/11 02:22		
2-Fluorobiphenyl	47.17	96.5	50 - 110	8.779	8.784	-0.0050	+/-0.500	
2-Fluorophenol	94.34	39.7	20 - 110	4.467	4.48	-0.0130	+/-0.500	
Nitrobenzene-d5	47.17	90.6	40 - 110	6.606	6.62	-0.0140	+/-0.500	
Phenol-d6	94.34	23.9	10 - 110	5.543	5.561	-0.0180	+/-0.500	
Terphenyl-d14	47.17	116	50 - 135	13.354	13.36	-0.0060	+/-0.500	
2,4,6-Tribromophenol	94.34	102	40 - 125	10.545	10.554	-0.0090	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E14407	Instrument:	MS-BNA1
		Calibration:	1032006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0088 (1105113-03) ug/L				Lab File ID: 0511303.D		Analyzed: 05/24/11 02:51		
2-Fluorobiphenyl	47.17	87.8	50 - 110	8.78	8.784	-0.0040	+/-0.500	
2-Fluorophenol	94.34	43.9	20 - 110	4.47	4.48	-0.0100	+/-0.500	
Nitrobenzene-d5	47.17	86.5	40 - 110	6.611	6.62	-0.0090	+/-0.500	
Phenol-d6	94.34	25.2	10 - 110	5.543	5.561	-0.0180	+/-0.500	
Terphenyl-d14	47.17	136	50 - 135	13.358	13.36	-0.0020	+/-0.500	*
2,4,6-Tribromophenol	94.34	100	40 - 125	10.545	10.554	-0.0090	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F15808	Instrument:	MS-BNA1
		Calibration:	1032006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1F15808-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 06/04/11 22:15		
2-Fluorobiphenyl	50.00	97.8	80 - 120	8.385	8.385	0.0000	+/-0.500	
2-Fluorophenol	100.0	97.4	80 - 120	4.08	4.08	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	103	80 - 120	6.223	6.223	0.0000	+/-0.500	
Phenol-d6	100.0	88.6	80 - 120	5.183	5.183	0.0000	+/-0.500	
Terphenyl-d14	50.00	85.3	80 - 120	12.933	12.933	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	107	80 - 120	10.133	10.133	0.0000	+/-0.500	
GW0049 (1105137-01) ug/L				Lab File ID: 0513701D.D		Analyzed: 06/05/11 07:49		
2-Fluorobiphenyl	50.00	94.0	50 - 110	8.38	8.385	-0.0050	+/-0.500	
2-Fluorophenol	100.0	39.6	20 - 110	4.081	4.08	0.0010	+/-0.500	
Nitrobenzene-d5	50.00	90.5	40 - 110	6.216	6.223	-0.0070	+/-0.500	
Phenol-d6	100.0	25.0	10 - 110	5.175	5.183	-0.0080	+/-0.500	
Terphenyl-d14	50.00	90.9	50 - 135	12.93	12.933	-0.0030	+/-0.500	
2,4,6-Tribromophenol	100.0	105	40 - 125	10.123	10.133	-0.0100	+/-0.500	
GW0055 (1105137-03) ug/L				Lab File ID: 0513703D.D		Analyzed: 06/05/11 08:17		
2-Fluorobiphenyl	48.08	94.4	50 - 110	8.384	8.385	-0.0010	+/-0.500	
2-Fluorophenol	96.15	37.0	20 - 110	4.091	4.08	0.0110	+/-0.500	
Nitrobenzene-d5	48.08	97.5	40 - 110	6.223	6.223	0.0000	+/-0.500	
Phenol-d6	96.15	25.0	10 - 110	5.201	5.183	0.0180	+/-0.500	
Terphenyl-d14	48.08	95.3	50 - 135	12.928	12.933	-0.0050	+/-0.500	
2,4,6-Tribromophenol	96.15	113	40 - 125	10.129	10.133	-0.0040	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F15917	Instrument:	MS-BNA1
		Calibration:	1032006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1F15917-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 06/06/11 15:41		
2-Fluorobiphenyl	50.00	105	80 - 120	8.149	8.149	0.0000	+/-0.500	
2-Fluorophenol	100.0	111	80 - 120	3.856	3.856	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	96.8	80 - 120	5.993	5.993	0.0000	+/-0.500	
Phenol-d6	100.0	91.9	80 - 120	4.971	4.971	0.0000	+/-0.500	
Terphenyl-d14	50.00	105	80 - 120	12.678	12.678	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	113	80 - 120	9.886	9.886	0.0000	+/-0.500	
GW0055 (1105137-03RE1) ug/L				Lab File ID: 0513703D.D		Analyzed: 06/06/11 22:06		
2-Fluorobiphenyl	48.08		50 - 110		8.149	-8.1490	+/-0.500	*
2-Fluorophenol	96.15		20 - 110		3.856	-3.8560	+/-0.500	*
Nitrobenzene-d5	48.08		40 - 110		5.993	-5.9930	+/-0.500	*
Phenol-d6	96.15		10 - 110		4.971	-4.9710	+/-0.500	*
Terphenyl-d14	48.08		50 - 135		12.678	-12.6780	+/-0.500	*
2,4,6-Tribromophenol	96.15		40 - 125		9.886	-9.8860	+/-0.500	*

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E12934	Laboratory ID:	1E12934-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	39.64	79.3	20 - 110
Acenaphthene	50.00	42.61	85.2	45 - 110
Acenaphthylene	50.00	39.21	78.4	50 - 105
Acetophenone	50.00	37.91	75.8	50 - 110
Anthracene	50.00	42.90	85.8	55 - 110
Atrazine	50.00	50.11	100	70 - 115
Benzaldehyde	50.00	37.22	74.4	10 - 180
Benzidine	50.00	50.0 U	0	0 - 200
Benzo(a)anthracene	50.00	45.71	91.4	55 - 110
Benzo(a)pyrene	50.00	44.56	89.1	55 - 110
Benzo(b)fluoranthene	50.00	53.66	107	45 - 120
Benzo(g,h,i)perylene	50.00	50.86	102	40 - 125
Benzoic acid	50.00	13.75	27.5	0 - 125
Benzo(k)fluoranthene	50.00	52.04	104	45 - 125
1,1-Biphenyl	50.00	43.16	86.3	50 - 110
4-Bromophenyl-phenylether	50.00	49.87	99.7	50 - 115
Butylbenzylphthalate	50.00	50.34	101	45 - 115
Caprolactam	50.00	9.976	20.0	20 - 110
Carbazole	50.00	48.76	97.5	50 - 115
4-Chloro-3-methylphenol	50.00	45.86	91.7	45 - 110
4-Chloroaniline	50.00	35.05	70.1	15 - 110
Bis(2-chloroethoxy)methane	50.00	48.90	97.8	45 - 105
Bis(2-chloroethyl)ether	50.00	42.70	85.4	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	37.33	74.7	25 - 130
2-Chloronaphthalene	50.00	43.01	86.0	50 - 105
2-Chlorophenol	50.00	36.57	73.1	35 - 105
4-Chlorophenyl phenyl ether	50.00	49.85	99.7	50 - 110
Chrysene	50.00	49.90	99.8	55 - 110
Dibenz(a,h)anthracene	50.00	47.92	95.8	40 - 125
Dibenzofuran	50.00	46.71	93.4	55 - 105

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E12934	Laboratory ID:	1E12934-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	51.26	103	55 - 115
2,4-Dichlorophenol	50.00	43.65	87.3	40 - 110
Diethylphthalate	50.00	53.07	106	40 - 120
2,4-Dimethylphenol	50.00	45.79	91.6	30 - 110
Dimethyl phthalate	50.00	51.17	102	25 - 125
4,6-Dinitro-2-methylphenol	50.00	51.28	103	40 - 130
2,4-Dinitrophenol	50.00	45.78	91.6	15 - 140
2,4-Dinitrotoluene	50.00	51.86	104	50 - 120
2,6-Dinitrotoluene	50.00	50.37	101	50 - 115
Di-n-octylphthalate	50.00	60.55	121	35 - 135
1,2-Diphenylhydrazine	50.00	41.00	82.0	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	50.03	100	40 - 125
Fluoranthene	50.00	44.34	88.7	55 - 115
Fluorene	50.00	47.44	94.9	50 - 110
Hexachlorobenzene	50.00	47.71	95.4	50 - 110
Hexachlorobutadiene	50.00	32.71	65.4	25 - 105
Hexachlorocyclopentadiene	50.00	14.17	28.3	10 - 110
Hexachloroethane	50.00	29.28	58.6	30 - 95
Indeno(1,2,3-cd)pyrene	50.00	46.16	92.3	45 - 125
Isophorone	50.00	33.17	66.3	50 - 110
1-Methylnaphthalene	50.00	41.79	83.6	30 - 115
2-Methylnaphthalene	50.00	42.92	85.8	45 - 105
2-Methylphenol	50.00	31.86	63.7	40 - 110
3+4-Methylphenol	50.00	26.97	53.9	30 - 110
4-Nitroaniline	50.00	54.41	109	35 - 120
3-Nitroaniline	50.00	40.20	80.4	20 - 125
2-Nitroaniline	50.00	45.94	91.9	50 - 115
Nitrobenzene	50.00	46.91	93.8	30 - 110
4-Nitrophenol	50.00	14.75	29.5	0 - 125
2-Nitrophenol	50.00	45.94	91.9	40 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E12934	Laboratory ID:	1E12934-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	27.97	55.9	50 - 110
N-Nitroso-di-n-propylamine	50.00	36.48	73.0	35 - 130
Pentachlorophenol	50.00	54.83	110	40 - 115
Phenanthrene	50.00	42.25	84.5	50 - 115
Phenol	50.00	15.18	30.4	0 - 115
Pyrene	50.00	46.47	92.9	50 - 130
2,4,6-Trichlorophenol	50.00	42.84	85.7	50 - 115
2,4,5-Trichlorophenol	50.00	45.45	90.9	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E17015	Laboratory ID:	1E17015-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acenaphthene	50.00	51.43	103	45 - 110
Acenaphthylene	50.00	44.02	88.0	50 - 105
Acetophenone	50.00	42.28	84.6	50 - 110
Anthracene	50.00	50.40	101	55 - 110
Atrazine	50.00	50.42	101	70 - 115
Benzaldehyde	50.00	41.22	82.4	10 - 180
Benzidine	50.00	50.0 U	0	0 - 200
Benzo(a)anthracene	50.00	54.78	110	55 - 110
Benzo(a)pyrene	50.00	48.57	97.1	55 - 110
Benzo(b)fluoranthene	50.00	58.12	116	45 - 120
Benzo(g,h,i)perylene	50.00	51.79	104	40 - 125
Benzoic acid	50.00	50.0 U	0	0 - 125
Benzo(k)fluoranthene	50.00	55.33	111	45 - 125
1,1-Biphenyl	50.00	50.85	102	50 - 110
4-Bromophenyl-phenylether	**50.00**	**58.10**	**116**	**50 - 115**
Butylbenzylphthalate	**50.00**	**63.48**	**127**	**45 - 115**
Caprolactam	**50.00**	**7.209**	**14.4**	**20 - 110**
Carbazole	50.00	52.24	104	50 - 115
4-Chloro-3-methylphenol	50.00	40.98	82.0	45 - 110
4-Chloroaniline	50.00	35.88	71.8	15 - 110
Bis(2-chloroethoxy)methane	50.00	47.98	96.0	45 - 105
Bis(2-chloroethyl)ether	50.00	43.80	87.6	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	41.77	83.5	25 - 130
2-Chloronaphthalene	50.00	50.73	101	50 - 105
2-Chlorophenol	50.00	38.35	76.7	35 - 105
4-Chlorophenyl phenyl ether	50.00	54.89	110	50 - 110
Chrysene	50.00	54.35	109	55 - 110
Dibenz(a,h)anthracene	50.00	55.41	111	40 - 125
Dibenzofuran	**50.00**	**53.51**	**107**	**55 - 105**
Di-n-butylphthalate	**50.00**	**58.06**	**116**	**55 - 115**

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E17015	Laboratory ID:	1E17015-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	52.55	105	20 - 110
2,4-Dichlorophenol	50.00	45.97	91.9	40 - 110
Diethylphthalate	50.00	58.79	118	40 - 120
2,4-Dimethylphenol	50.00	40.15	80.3	30 - 110
Dimethyl phthalate	50.00	56.80	114	25 - 125
4,6-Dinitro-2-methylphenol	50.00	58.00	116	40 - 130
2,4-Dinitrophenol	50.00	57.02	114	15 - 140
2,4-Dinitrotoluene	50.00	57.04	114	50 - 120
2,6-Dinitrotoluene	50.00	53.96	108	50 - 115
Di-n-octylphthalate	50.00	64.19	128	35 - 135
1,2-Diphenylhydrazine	50.00	42.97	85.9	55 - 115
Bis(2-ethylhexyl)phthalate	**50.00**	**63.63**	**127**	**40 - 125**
Fluoranthene	50.00	50.74	101	55 - 115
Fluorene	50.00	52.52	105	50 - 110
Hexachlorobenzene	**50.00**	**55.32**	**111**	**50 - 110**
Hexachlorobutadiene	50.00	39.68	79.4	25 - 105
Hexachlorocyclopentadiene	50.00	15.90	31.8	10 - 110
Hexachloroethane	50.00	34.05	68.1	30 - 95
Indeno(1,2,3-cd)pyrene	50.00	52.67	105	45 - 125
Isophorone	50.00	33.60	67.2	50 - 110
1-Methylnaphthalene	50.00	44.70	89.4	30 - 115
2-Methylnaphthalene	50.00	47.27	94.5	45 - 105
2-Methylphenol	50.00	31.51	63.0	40 - 110
3+4-Methylphenol	50.00	28.91	57.8	30 - 110
4-Nitroaniline	50.00	44.09	88.2	35 - 120
3-Nitroaniline	50.00	40.20	80.4	20 - 125
2-Nitroaniline	50.00	46.72	93.4	50 - 115
Nitrobenzene	50.00	41.39	82.8	30 - 110
4-Nitrophenol	50.00	12.68	25.4	0 - 125
2-Nitrophenol	50.00	47.81	95.6	40 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E17015	Laboratory ID:	1E17015-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	28.86	57.7	50 - 110
N-Nitroso-di-n-propylamine	50.00	38.28	76.6	35 - 130
Pentachlorophenol	50.00	53.81	108	40 - 115
Phenanthrene	50.00	53.30	107	50 - 115
Phenol	50.00	13.46	26.9	0 - 115
Pyrene	50.00	56.94	114	50 - 130
2,4,6-Trichlorophenol	50.00	50.55	101	50 - 115
2,4,5-Trichlorophenol	50.00	50.16	100	50 - 110

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	50.00	51.30	103	0.268	30	45 - 110
Acenaphthylene	50.00	44.04	88.1	0.0395	30	50 - 105
Acetophenone	50.00	40.59	81.2	4.07	30	50 - 110
Anthracene	50.00	49.27	98.5	2.26	30	55 - 110
Atrazine	50.00	47.27	94.5	6.45	30	70 - 115
Benzaldehyde	50.00	40.62	81.2	1.47	30	10 - 180
Benzidine	50.00	50.0 U	0		30	0 - 200
Benzo(a)anthracene	50.00	53.63	107	2.13	30	55 - 110
Benzo(a)pyrene	50.00	48.40	96.8	0.342	30	55 - 110
Benzo(b)fluoranthene	50.00	56.91	114	2.10	30	45 - 120
Benzo(g,h,i)perylene	50.00	57.01	114	9.58	30	40 - 125
Benzoic acid	50.00	50.0 U	0		30	0 - 125
Benzo(k)fluoranthene	50.00	56.66	113	2.38	30	45 - 125
1,1-Biphenyl	50.00	50.26	101	1.18	30	50 - 110
4-Bromophenyl-phenylether	50.00	56.85	114	2.18	30	50 - 115
Butylbenzylphthalate	**50.00**	**62.35**	**125 ***	**1.81**	**30**	**45 - 115**
Caprolactam	**50.00**	**6.433**	**12.9 ***	**11.4**	**30**	**20 - 110**
Carbazole	50.00	50.79	102	2.81	30	50 - 115
4-Chloro-3-methylphenol	50.00	36.86	73.7	10.6	30	45 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E17015	Laboratory ID:	1E17015-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-Chloroaniline	50.00	32.02	64.0	11.4	30	15 - 110
Bis(2-chloroethoxy)methane	50.00	45.95	91.9	4.33	30	45 - 105
Bis(2-chloroethyl)ether	50.00	42.45	84.9	3.12	30	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	41.43	82.9	0.800	30	25 - 130
2-Chloronaphthalene	50.00	51.13	102	0.800	30	50 - 105
2-Chlorophenol	50.00	34.87	69.7	9.51	30	35 - 105
4-Chlorophenyl phenyl ether	50.00	54.33	109	1.02	30	50 - 110
Chrysene	50.00	53.03	106	2.45	30	55 - 110
Dibenz(a,h)anthracene	50.00	58.20	116	4.91	30	40 - 125
Dibenzofuran	**50.00**	**54.12**	**108 ***	**1.14**	**30**	**55 - 105**
Di-n-butylphthalate	50.00	57.46	115	1.04	30	55 - 115
3,3'-Dichlorobenzidine	50.00	51.71	103	1.61	30	20 - 110
2,4-Dichlorophenol	50.00	39.73	79.5	14.5	30	40 - 110
Diethylphthalate	50.00	59.28	119	0.831	30	40 - 120
2,4-Dimethylphenol	50.00	34.72	69.4	14.5	30	30 - 110
Dimethyl phthalate	50.00	54.67	109	3.82	30	25 - 125
4,6-Dinitro-2-methylphenol	50.00	51.56	103	11.8	30	40 - 130
2,4-Dinitrophenol	50.00	49.57	99.1	14.0	30	15 - 140
2,4-Dinitrotoluene	50.00	56.25	113	1.39	30	50 - 120
2,6-Dinitrotoluene	50.00	53.56	107	0.742	30	50 - 115
Di-n-octylphthalate	50.00	63.98	128	0.316	30	35 - 135
1,2-Diphenylhydrazine	50.00	42.11	84.2	2.03	30	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	61.24	122	3.83	30	40 - 125
Fluoranthene	50.00	51.45	103	1.40	30	55 - 115
Fluorene	50.00	51.87	104	1.25	30	50 - 110
Hexachlorobenzene	50.00	53.69	107	2.99	30	50 - 110
Hexachlorobutadiene	50.00	37.85	75.7	4.74	30	25 - 105
Hexachlorocyclopentadiene	50.00	15.32	30.6	3.69	30	10 - 110
Hexachloroethane	50.00	32.33	64.7	5.20	30	30 - 95
Indeno(1,2,3-cd)pyrene	50.00	53.66	107	1.87	30	45 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E17015	Laboratory ID:	1E17015-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	32.26	64.5	4.07	30	50 - 110
1-Methylnaphthalene	50.00	42.87	85.7	4.20	30	30 - 115
2-Methylnaphthalene	50.00	47.31	94.6	0.0736	30	45 - 105
2-Methylphenol	50.00	28.43	56.9	10.3	30	40 - 110
3+4-Methylphenol	50.00	25.72	51.4	11.7	30	30 - 110
4-Nitroaniline	50.00	41.93	83.9	5.01	30	35 - 120
3-Nitroaniline	50.00	37.61	75.2	6.65	30	20 - 125
2-Nitroaniline	50.00	45.20	90.4	3.31	30	50 - 115
Nitrobenzene	50.00	39.82	79.6	3.88	30	30 - 110
4-Nitrophenol	50.00	11.85	23.7	6.81	30	0 - 125
2-Nitrophenol	50.00	42.75	85.5	11.2	30	40 - 115
N-Nitrosodiphenylamine	50.00	27.88	55.8	3.45	30	50 - 110
N-Nitroso-di-n-propylamine	50.00	37.49	75.0	2.09	30	35 - 130
Pentachlorophenol	50.00	49.77	99.5	7.81	30	40 - 115
Phenanthrene	50.00	52.74	105	1.05	30	50 - 115
Phenol	50.00	12.96	25.9	3.77	30	0 - 115
Pyrene	50.00	53.52	107	6.19	30	50 - 130
2,4,6-Trichlorophenol	50.00	46.25	92.5	8.88	30	50 - 115
2,4,5-Trichlorophenol	50.00	45.38	90.8	10.0	30	50 - 110

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Batch: 1E12934 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0060	1105082-01	05/13/11 11:45	1,040.00	1.00
GW0085	1105093-01	05/13/11 11:45	960.00	1.00
GW0086	1105093-03	05/13/11 11:45	1,070.00	1.00
GW0087	1105113-01	05/13/11 11:45	1,060.00	1.00
GW0088	1105113-03	05/13/11 11:45	1,060.00	1.00
Blank	1E12934-BLK1	05/13/11 11:45	1,000.00	1.00
LCS	1E12934-BS1	05/13/11 11:45	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Batch: 1E17015 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0099	1105122-01	05/18/11 12:15	1,060.00	1.00
GW0049	1105137-01	05/18/11 12:15	1,000.00	1.00
GW0055	1105137-03	05/18/11 12:15	1,040.00	1.00
GW0055	1105137-03RE1	05/18/11 12:15	1,040.00	1.00
Blank	1E17015-BLK1	05/18/11 12:15	1,000.00	1.00
LCS	1E17015-BS1	05/18/11 12:15	1,000.00	1.00
LCS Dup	1E17015-BSD1	05/18/11 12:15	1,000.00	1.00

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
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_012
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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	04/29/11
Instrument ID:	MS-BNA3	Injection Time:	17:21
Sequence:	1E12203	Lab Sample ID:	1E12203-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	47.3	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	52.7	PASS
70	Less than 2% of 69	0.492	PASS
127	40 - 60% of 198	54.6	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	22	PASS
365	1 - 200% of 198	2.1	PASS
441	0.001 - 100% of 443	77.8	PASS
442	40 - 200% of 198	47.4	PASS
443	17 - 23% of 442	19.2	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	04/30/11
Instrument ID:	MS-BNA3	Injection Time:	14:42
Sequence:	1E12203	Lab Sample ID:	1E12203-TUN2

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	52.2	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	55.8	PASS
70	Less than 2% of 69	0.42	PASS
127	40 - 60% of 198	56.8	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.25	PASS
275	10 - 30% of 198	22.9	PASS
365	1 - 200% of 198	2.34	PASS
441	0.001 - 100% of 443	74.4	PASS
442	40 - 200% of 198	46.4	PASS
443	17 - 23% of 442	20.9	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	05/02/11
Instrument ID:	MS-BNA3	Injection Time:	13:51
Sequence:	1E12203	Lab Sample ID:	1E12203-TUN3

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	52.5	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	58.2	PASS
70	Less than 2% of 69	0.51	PASS
127	40 - 60% of 198	56.1	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.39	PASS
275	10 - 30% of 198	21.4	PASS
365	1 - 200% of 198	2.24	PASS
441	0.001 - 100% of 443	72.1	PASS
442	40 - 200% of 198	46.9	PASS
443	17 - 23% of 442	21.4	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	05/17/11
Instrument ID:	MS-BNA1	Injection Time:	17:47
Sequence:	1E13813	Lab Sample ID:	1E13813-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	32	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	51.9	PASS
70	Less than 2% of 69	0.393	PASS
127	40 - 60% of 198	41.2	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.93	PASS
275	10 - 30% of 198	19.6	PASS
365	1 - 200% of 198	2.23	PASS
441	0.001 - 100% of 443	74.1	PASS
442	40 - 200% of 198	53.6	PASS
443	17 - 23% of 442	20.6	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN3.D	Injection Date:	05/19/11
Instrument ID:	MS-BNA3	Injection Time:	12:03
Sequence:	1E14006	Lab Sample ID:	1E14006-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	46.7	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	51.5	PASS
70	Less than 2% of 69	0.513	PASS
127	40 - 60% of 198	54.8	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.77	PASS
275	10 - 30% of 198	22.3	PASS
365	1 - 200% of 198	2.18	PASS
441	0.001 - 100% of 443	77.8	PASS
442	40 - 200% of 198	45.6	PASS
443	17 - 23% of 442	20.6	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	05/23/11
Instrument ID:	MS-BNA1	Injection Time:	14:56
Sequence:	1E14407	Lab Sample ID:	1E14407-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	38.2	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	53.2	PASS
70	Less than 2% of 69	0.341	PASS
127	40 - 60% of 198	44.6	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	19.8	PASS
365	1 - 200% of 198	2.23	PASS
441	0.001 - 100% of 443	72	PASS
442	40 - 200% of 198	61.7	PASS
443	17 - 23% of 442	20.4	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	06/04/11
Instrument ID:	MS-BNA1	Injection Time:	21:49
Sequence:	1F15808	Lab Sample ID:	1F15808-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	30	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	49.2	PASS
70	Less than 2% of 69	0.174	PASS
127	40 - 60% of 198	40.8	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.72	PASS
275	10 - 30% of 198	20.4	PASS
365	1 - 200% of 198	2.28	PASS
441	0.001 - 100% of 443	78.8	PASS
442	40 - 200% of 198	83.1	PASS
443	17 - 23% of 442	19.2	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	06/06/11
Instrument ID:	MS-BNA1	Injection Time:	15:14
Sequence:	1F15917	Lab Sample ID:	1F15917-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	31.6	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	54	PASS
70	Less than 2% of 69	0.278	PASS
127	40 - 60% of 198	45.4	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.79	PASS
275	10 - 30% of 198	17.7	PASS
365	1 - 200% of 198	2.7	PASS
441	0.001 - 100% of 443	82.4	PASS
442	40 - 200% of 198	72	PASS
443	17 - 23% of 442	19.8	PASS

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E12203	Instrument:	MS-BNA3
Calibration:	1122001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1E12203-TUN1	SEQ-TUN1.D	04/29/11 17:21
Cal Standard	1E12203-CAL1	SEQ-CAL1.D	04/29/11 17:45
Cal Standard	1E12203-CAL2	SEQ-CAL2.D	04/29/11 18:19
Cal Standard	1E12203-CAL3	SEQ-CAL3.D	04/29/11 18:52
Cal Standard	1E12203-CAL4	SEQ-CAL4.D	04/29/11 19:25
Cal Standard	1E12203-CAL5	SEQ-CAL5.D	04/29/11 19:58
Cal Standard	1E12203-CAL6	SEQ-CAL6.D	04/29/11 20:31
Cal Standard	1E12203-CAL7	SEQ-CAL7.D	04/29/11 21:04
Cal Standard	1E12203-CAL8	SEQ-CAL8.D	04/29/11 21:37
Cal Standard	1E12203-CAL9	SEQ-CAL9.D	04/29/11 22:09
Cal Standard	1E12203-CALA	SEQ-CALA.D	04/29/11 22:42
Cal Standard	1E12203-CALB	SEQ-CALB.D	04/29/11 23:15
Cal Standard	1E12203-CALC	SEQ-CALC.D	04/29/11 23:47
Cal Standard	1E12203-CALD	SEQ-CALD.D	04/30/11 00:20
Cal Standard	1E12203-CALE	SEQ-CALE.D	04/30/11 00:53
Cal Standard	1E12203-CALF	SEQ-CALF.D	04/30/11 01:25
Cal Standard	1E12203-CALG	SEQ-CALG.D	04/30/11 01:58
MS Tune	1E12203-TUN2	SEQ-TUN1.D	04/30/11 14:42
Initial Cal Check	1E12203-ICV1	SEQ-ICV1.D	04/30/11 15:07
Initial Cal Check	1E12203-ICV2	SEQ-ICV2.D	04/30/11 15:40
Initial Cal Check	1E12203-ICV3	SEQ-ICV5.D	04/30/11 17:19
MS Tune	1E12203-TUN3	SEQ-TUN1.D	05/02/11 13:51
Initial Cal Check	1E12203-ICV4	SEQ-ICV4.D	05/02/11 14:16

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E13813	Instrument:	MS-BNA1
Calibration:	1032006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1E13813-TUN1	SEQ-TUN1.D	05/17/11 17:47
Calibration Check	1E13813-CCV1	SEQ-CCV1.D	05/17/11 18:14
Blank	1E12934-BLK1	E12934B1.D	05/17/11 19:11
LCS	1E12934-BS1	E12934L1.D	05/17/11 20:37

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E14006	Instrument:	MS-BNA3
Calibration:	1122001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1E14006-TUN1	SEQ-TUN3.D	05/19/11 12:03
Calibration Check	1E14006-CCV1	SEQ-CCV3.D	05/19/11 13:14
Blank	1E17015-BLK1	E17015B1.D	05/19/11 16:31
LCS	1E17015-BS1	E17015L1.D	05/19/11 17:04
LCS Dup	1E17015-BSD1	E17015L2.D	05/19/11 17:37
GW0099	1105122-01	0512201.D	05/19/11 19:48

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E14407	Instrument:	MS-BNA1
Calibration:	1032006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1E14407-TUN1	SEQ-TUN1.D	05/23/11 14:56
Calibration Check	1E14407-CCV1	SEQ-CCV1.D	05/23/11 15:35
GW0060	1105082-01	0508201.D	05/23/11 23:01
GW0085	1105093-01	0509301.D	05/23/11 23:30
GW0086	1105093-03	0509303.D	05/23/11 23:59
GW0087	1105113-01	0511301.D	05/24/11 02:22
GW0088	1105113-03	0511303.D	05/24/11 02:51

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F15808	Instrument:	MS-BNA1
Calibration:	1032006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1F15808-TUN1	SEQ-TUN1.D	06/04/11 21:49
Calibration Check	1F15808-CCV1	SEQ-CCV1.D	06/04/11 22:15
GW0049	1105137-01	0513701D.D	06/05/11 07:49
GW0055	1105137-03	0513703D.D	06/05/11 08:17

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F15917	Instrument:	MS-BNA1
Calibration:	1032006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1F15917-TUN1	SEQ-TUN1.D	06/06/11 15:14
Calibration Check	1F15917-CCV1	SEQ-CCV1.D	06/06/11 15:41
GW0055	1105137-03RE1	0513703D.D	06/06/11 22:06

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E13813	Instrument:	MS-BNA1
		Calibration:	1032006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1E13813-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 05/17/11 18:14			
1,4-Dichlorobenzene-d4	740735	6.16	537968	6.172	138	50 - 200	-0.0120	+/-0.50	
Naphthalene-d8	2188823	7.664	1642233	7.653	133	50 - 200	0.0110	+/-0.50	
Acenaphthene-d10	1248457	9.799	783714	9.779	159	50 - 200	0.0200	+/-0.50	
Phenanthrene-d10	1651410	11.607	1089157	11.597	152	50 - 200	0.0100	+/-0.50	
Chrysene-d12	1238636	14.85	993474	14.84	125	50 - 200	0.0100	+/-0.50	
Perylene-d12	886898	16.59	932715	16.597	95	50 - 200	-0.0070	+/-0.50	
Blank (1E12934-BLK1)			Lab File ID: E12934B1.D			Analyzed: 05/17/11 19:11			
1,4-Dichlorobenzene-d4	739148	6.161	740735	6.16	100	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	2181249	7.659	2188823	7.664	100	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	1176591	9.791	1248457	9.799	94	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	1629982	11.604	1651410	11.607	99	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	1239493	14.838	1238636	14.85	100	50 - 200	-0.0120	+/-0.50	
Perylene-d12	1119150	16.588	886898	16.59	126	50 - 200	-0.0020	+/-0.50	
LCS (1E12934-BS1)			Lab File ID: E12934L1.D			Analyzed: 05/17/11 20:37			
1,4-Dichlorobenzene-d4	760478	6.157	740735	6.16	103	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	2243066	7.661	2188823	7.664	102	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	1187923	9.794	1248457	9.799	95	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	1773435	11.604	1651410	11.607	107	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	1410700	14.85	1238636	14.85	114	50 - 200	0.0000	+/-0.50	
Perylene-d12	1003864	16.593	886898	16.59	113	50 - 200	0.0030	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E14006	Instrument:	MS-BNA3
		Calibration:	1122001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1E14006-CCV1)			Lab File ID: SEQ-CCV3.D			Analyzed: 05/19/11 13:14			
1,4-Dichlorobenzene-d4	411571	6.097	564644	6.39	73	50 - 200	-0.2930	+/-0.50	
Naphthalene-d8	1443294	7.742	1974331	8.03	73	50 - 200	-0.2880	+/-0.50	
Acenaphthene-d10	803338	9.959	1113173	10.253	72	50 - 200	-0.2940	+/-0.50	
Phenanthrene-d10	1377814	11.802	1849431	12.096	74	50 - 200	-0.2940	+/-0.50	
Chrysene-d12	1430861	15.846	2020225	16.268	71	50 - 200	-0.4220	+/-0.50	
Perylene-d12	1359318	18.555	1927021	19.014	71	50 - 200	-0.4590	+/-0.50	
Blank (1E17015-BLK1)			Lab File ID: E17015B1.D			Analyzed: 05/19/11 16:31			
1,4-Dichlorobenzene-d4	535727	6.097	411571	6.097	130	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	1905882	7.743	1443294	7.742	132	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	1096465	9.96	803338	9.959	136	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	1828453	11.803	1377814	11.802	133	50 - 200	0.0010	+/-0.50	
Chrysene-d12	1879680	15.841	1430861	15.846	131	50 - 200	-0.0050	+/-0.50	
Perylene-d12	1771289	18.561	1359318	18.555	130	50 - 200	0.0060	+/-0.50	
LCS (1E17015-BS1)			Lab File ID: E17015L1.D			Analyzed: 05/19/11 17:04			
1,4-Dichlorobenzene-d4	561151	6.095	411571	6.097	136	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	2003993	7.74	1443294	7.742	139	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	1118446	9.957	803338	9.959	139	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	1873531	11.795	1377814	11.802	136	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	1844925	15.844	1430861	15.846	129	50 - 200	-0.0020	+/-0.50	
Perylene-d12	1806395	18.552	1359318	18.555	133	50 - 200	-0.0030	+/-0.50	
LCS Dup (1E17015-BSD1)			Lab File ID: E17015L2.D			Analyzed: 05/19/11 17:37			
1,4-Dichlorobenzene-d4	476341	6.095	411571	6.097	116	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	1724768	7.735	1443294	7.742	120	50 - 200	-0.0070	+/-0.50	
Acenaphthene-d10	925827	9.952	803338	9.959	115	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	1585113	11.795	1377814	11.802	115	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	1656233	15.839	1430861	15.846	116	50 - 200	-0.0070	+/-0.50	
Perylene-d12	1557450	18.547	1359318	18.555	115	50 - 200	-0.0080	+/-0.50	
GW0099 (1105122-01)			Lab File ID: 0512201.D			Analyzed: 05/19/11 19:48			
1,4-Dichlorobenzene-d4	508444	6.093	411571	6.097	124	50 - 200	-0.0040	+/-0.50	
Naphthalene-d8	1755925	7.733	1443294	7.742	122	50 - 200	-0.0090	+/-0.50	
Acenaphthene-d10	1007631	9.95	803338	9.959	125	50 - 200	-0.0090	+/-0.50	
Phenanthrene-d10	1716911	11.793	1377814	11.802	125	50 - 200	-0.0090	+/-0.50	
Chrysene-d12	1804651	15.826	1430861	15.846	126	50 - 200	-0.0200	+/-0.50	
Perylene-d12	1796807	18.545	1359318	18.555	132	50 - 200	-0.0100	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E14407	Instrument:	MS-BNA1
		Calibration:	1032006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1E14407-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 05/23/11 15:35			
1,4-Dichlorobenzene-d4	685223	5.964	537968	6.172	127	50 - 200	-0.2080	+/-0.50	
Naphthalene-d8	1963148	7.468	1642233	7.653	120	50 - 200	-0.1850	+/-0.50	
Acenaphthene-d10	1022778	9.588	783714	9.779	131	50 - 200	-0.1910	+/-0.50	
Phenanthrene-d10	1596570	11.398	1089157	11.597	147	50 - 200	-0.1990	+/-0.50	
Chrysene-d12	1154433	14.625	993474	14.84	116	50 - 200	-0.2150	+/-0.50	
Perylene-d12	811779	16.347	932715	16.597	87	50 - 200	-0.2500	+/-0.50	
GW0060 (1105082-01)			Lab File ID: 0508201.D			Analyzed: 05/23/11 23:01			
1,4-Dichlorobenzene-d4	552429	5.958	685223	5.964	81	50 - 200	-0.0060	+/-0.50	
Naphthalene-d8	1626517	7.458	1963148	7.468	83	50 - 200	-0.0100	+/-0.50	
Acenaphthene-d10	931485	9.584	1022778	9.588	91	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	1294659	11.391	1596570	11.398	81	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	989450	14.617	1154433	14.625	86	50 - 200	-0.0080	+/-0.50	
Perylene-d12	739459	16.34	811779	16.347	91	50 - 200	-0.0070	+/-0.50	
GW0085 (1105093-01)			Lab File ID: 0509301.D			Analyzed: 05/23/11 23:30			
1,4-Dichlorobenzene-d4	563136	5.962	685223	5.964	82	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	1751266	7.459	1963148	7.468	89	50 - 200	-0.0090	+/-0.50	
Acenaphthene-d10	944105	9.583	1022778	9.588	92	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	1352771	11.389	1596570	11.398	85	50 - 200	-0.0090	+/-0.50	
Chrysene-d12	943667	14.614	1154433	14.625	82	50 - 200	-0.0110	+/-0.50	
Perylene-d12	785287	16.345	811779	16.347	97	50 - 200	-0.0020	+/-0.50	
GW0086 (1105093-03)			Lab File ID: 0509303.D			Analyzed: 05/23/11 23:59			
1,4-Dichlorobenzene-d4	569517	5.962	685223	5.964	83	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	1603687	7.459	1963148	7.468	82	50 - 200	-0.0090	+/-0.50	
Acenaphthene-d10	893900	9.582	1022778	9.588	87	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	1308630	11.387	1596570	11.398	82	50 - 200	-0.0110	+/-0.50	
Chrysene-d12	948520	14.614	1154433	14.625	82	50 - 200	-0.0110	+/-0.50	
Perylene-d12	800785	16.344	811779	16.347	99	50 - 200	-0.0030	+/-0.50	
GW0087 (1105113-01)			Lab File ID: 0511301.D			Analyzed: 05/24/11 02:22			
1,4-Dichlorobenzene-d4	592139	5.959	685223	5.964	86	50 - 200	-0.0050	+/-0.50	
Naphthalene-d8	1741903	7.457	1963148	7.468	89	50 - 200	-0.0110	+/-0.50	
Acenaphthene-d10	828470	9.584	1022778	9.588	81	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	1297587	11.391	1596570	11.398	81	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	1010755	14.615	1154433	14.625	88	50 - 200	-0.0100	+/-0.50	
Perylene-d12	788318	16.34	811779	16.347	97	50 - 200	-0.0070	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E14407	Instrument:	MS-BNA1
		Calibration:	1032006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0088 (1105113-03)			Lab File ID: 0511303.D			Analyzed: 05/24/11 02:51			
1,4-Dichlorobenzene-d4	538375	5.96	685223	5.964	79	50 - 200	-0.0040	+/-0.50	
Naphthalene-d8	1653008	7.461	1963148	7.468	84	50 - 200	-0.0070	+/-0.50	
Acenaphthene-d10	925875	9.586	1022778	9.588	91	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	1393254	11.388	1596570	11.398	87	50 - 200	-0.0100	+/-0.50	
Chrysene-d12	927753	14.616	1154433	14.625	80	50 - 200	-0.0090	+/-0.50	
Perylene-d12	697532	16.339	811779	16.347	86	50 - 200	-0.0080	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F15808	Instrument:	MS-BNA1
		Calibration:	1032006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1F15808-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 06/04/11 22:15			
1,4-Dichlorobenzene-d4	487468	5.566	537968	6.172	91	50 - 200	-0.6060	+/-0.50	
Naphthalene-d8	1390678	7.064	1642233	7.653	85	50 - 200	-0.5890	+/-0.50	
Acenaphthene-d10	831154	9.175	783714	9.779	106	50 - 200	-0.6040	+/-0.50	
Phenanthrene-d10	1271338	10.971	1089157	11.597	117	50 - 200	-0.6260	+/-0.50	
Chrysene-d12	939120	14.169	993474	14.84	95	50 - 200	-0.6710	+/-0.50	
Perylene-d12	899640	15.853	932715	16.597	96	50 - 200	-0.7440	+/-0.50	
GW0049 (1105137-01)			Lab File ID: 0513701D.D			Analyzed: 06/05/11 07:49			
1,4-Dichlorobenzene-d4	387608	5.566	487468	5.566	80	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	1216895	7.062	1390678	7.064	88	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	705382	9.171	831154	9.175	85	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	1161242	10.969	1271338	10.971	91	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	858839	14.165	939120	14.169	91	50 - 200	-0.0040	+/-0.50	
Perylene-d12	825026	15.851	899640	15.853	92	50 - 200	-0.0020	+/-0.50	
GW0055 (1105137-03)			Lab File ID: 0513703D.D			Analyzed: 06/05/11 08:17			
1,4-Dichlorobenzene-d4	418383	5.57	487468	5.566	86	50 - 200	0.0040	+/-0.50	
Naphthalene-d8	1211866	7.067	1390678	7.064	87	50 - 200	0.0030	+/-0.50	
Acenaphthene-d10	682324	9.173	831154	9.175	82	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	1105388	10.969	1271338	10.971	87	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	794996	14.163	939120	14.169	85	50 - 200	-0.0060	+/-0.50	
Perylene-d12	692793	15.85	899640	15.853	77	50 - 200	-0.0030	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F15917	Instrument:	MS-BNA1
		Calibration:	1032006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1F15917-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 06/06/11 15:41			
1,4-Dichlorobenzene-d4	382818	5.34	537968	6.172	71	50 - 200	-0.8320	+/-0.50	
Naphthalene-d8	1305428	6.827	1642233	7.653	79	50 - 200	-0.8260	+/-0.50	
Acenaphthene-d10	653811	8.933	783714	9.779	83	50 - 200	-0.8460	+/-0.50	
Phenanthrene-d10	1172509	10.715	1089157	11.597	108	50 - 200	-0.8820	+/-0.50	
Chrysene-d12	833168	13.908	993474	14.84	84	50 - 200	-0.9320	+/-0.50	
Perylene-d12	510043	15.553	932715	16.597	55	50 - 200	-1.0440	+/-0.50	
GW0055 (1105137-03RE1)			Lab File ID: 0513703D.D			Analyzed: 06/06/11 22:06			
1,4-Dichlorobenzene-d4	449189	5.33	382818	5.34	117	50 - 200	-0.0100	+/-0.50	
Naphthalene-d8	1574807	6.823	1305428	6.827	121	50 - 200	-0.0040	+/-0.50	
Acenaphthene-d10	771630	8.923	653811	8.933	118	50 - 200	-0.0100	+/-0.50	
Phenanthrene-d10	1287602	10.709	1172509	10.715	110	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	948942	13.893	833168	13.908	114	50 - 200	-0.0150	+/-0.50	
Perylene-d12	560613	15.549	510043	15.553	110	50 - 200	-0.0040	+/-0.50	

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
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_012
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_012
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_012
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_012
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_012
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_012
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_012
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_012	
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_012
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_012
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_012
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 DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1122001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	4/29/11 17:45 4/30/11 1:58

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
Acenaphthene	5	1.200562	10	1.152068	20	1.149698	40	1.01509	50	1.06599	60	1.118857
Acenaphthylene	5	1.910563	10	1.856652	20	1.834023	40	1.577506	50	1.649651	60	1.70743
Acetophenone												
Aniline	5	2.209836	10	2.190225	20	2.226457	40	1.982043	50	1.974254	60	2.113941
Anthracene	5	1.235784	10	1.151973	20	1.14753	40	1.011014	50	1.041804	60	1.073498
Atrazine												
Benzaldehyde												
Benzidine												
Benzo(a)anthracene	5	1.168873	10	1.137636	20	1.197714	40	1.06755	50	1.06548	60	1.128806
Benzo(a)pyrene	5	1.036259	10	1.04972	20	1.089412	40	0.978414	50	1.01499	60	1.072439
Benzo(b)fluoranthene	5	1.078112	10	1.060484	20	1.153792	40	1.054294	50	1.040864	60	1.109427
Benzo(g,h,i)perylene	5	1.006605	10	1.027385	20	1.089672	40	0.9762424	50	0.9956835	60	1.072671
Benzoic acid	5	~~0.1631144~~	10	0.2066539	20	0.2735507	40	0.2647946	50	0.2615823	60	0.2878177
Benzo(k)fluoranthene	5	1.172096	10	1.160073	20	1.151865	40	1.001281	50	1.065575	60	1.126634
Benzyl alcohol	5	0.8617163	10	0.8673336	20	0.9412286	40	0.808192	50	0.8346686	60	0.8710511
1,1-Biphenyl												
4-Bromophenyl-phenylether	5	0.2469078	10	0.2344633	20	0.2370065	40	0.2123191	50	0.2163411	60	0.2281563
Butylbenzylphthalate	5	0.5079049	10	0.5154742	20	0.5455854	40	0.4854733	50	0.5006547	60	0.5266863
Caprolactam												
Carbazole	5	1.169471	10	1.105756	20	1.083785	40	0.9685984	50	0.99038	60	1.035201
4-Chloro-3-methylphenol	5	0.3271885	10	0.3156005	20	0.3315254	40	0.2968659	50	0.2942781	60	0.3089769
4-Chloroaniline	5	0.4539725	10	0.4453658	20	0.4574864	40	0.3980506	50	0.4035257	60	0.4178278
Bis(2-chloroethoxy)methane	5	0.4611163	10	0.4509887	20	0.460769	40	0.4019167	50	0.4004393	60	0.4227313
Bis(2-chloroethyl)ether	5	1.398969	10	1.365362	20	1.373354	40	1.207943	50	1.239815	60	1.295529
2,2'-Oxybis-1-chloropropane	5	2.104681	10	2.038633	20	2.090222	40	1.80177	50	1.872962	60	1.941936
2-Chloronaphthalene	5	1.200232	10	1.154849	20	1.147532	40	0.9888028	50	1.039189	60	1.079545
2-Chlorophenol	5	1.387384	10	1.360711	20	1.391404	40	1.228533	50	1.258319	60	1.325553
4-Chlorophenyl phenyl ether	5	0.6722867	10	0.629193	20	0.6336897	40	0.5730243	50	0.5907893	60	0.627927
Chrysene	5	1.151174	10	1.091951	20	1.107031	40	0.961258	50	1.014375	60	1.04624
Dibenz(a,h)anthracene	5	0.946806	10	0.9506035	20	1.063357	40	0.9536154	50	0.9816955	60	1.050817
Dibenzofuran	5	1.690636	10	1.625618	20	1.605227	40	1.390488	50	1.466559	60	1.521719

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1122001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	4/29/11 17:45 4/30/11 1:58

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
Di-n-butylphthalate	5	1.291838	10	1.2633	20	1.265435	40	1.093081	50	1.140461	60	1.174317
1,4-Dichlorobenzene	5	1.568025	10	1.509793	20	1.523558	40	1.3491	50	1.379529	60	1.434978
1,3-Dichlorobenzene	5	1.574354	10	1.479601	20	1.519922	40	1.320874	50	1.355106	60	1.4173
1,2-Dichlorobenzene	5	1.465806	10	1.434433	20	1.426883	40	1.255848	50	1.293523	60	1.343582
3,3'-Dichlorobenzidine												
2,6-Dichlorophenol												
2,4-Dichlorophenol	5	0.3169391	10	0.3145317	20	0.322702	40	0.288284	50	0.289789	60	0.3069296
Diethylphthalate	5	1.32063	10	1.261619	20	1.254918	40	1.085716	50	1.152411	60	1.190047
2,4-Dimethylphenol	5	0.3841369	10	0.3702076	20	0.3829536	40	0.3415762	50	0.3440076	60	0.3643064
Dimethyl phthalate	5	1.355168	10	1.307581	20	1.304618	40	1.153295	50	1.191277	60	1.235793
4,6-Dinitro-2-methylphenol	5	0.1210854	10	0.1305908	20	0.1540064	40	0.145401	50	0.1462314	60	0.1562021
2,4-Dinitrophenol	5	~~0.1243362~~	10	0.141284	20	0.1848834	40	0.1803434	50	0.1820099	60	0.2006313
2,4-Dinitrotoluene	5	0.3918149	10	0.3987171	20	0.4082577	40	0.3613843	50	0.3748928	60	0.3995306
2,6-Dinitrotoluene	5	0.3173778	10	0.3102615	20	0.3152494	40	0.2767322	50	0.2875841	60	0.301629
Di-n-octylphthalate	5	1.129653	10	1.174165	20	1.286397	40	1.152356	50	1.187184	60	1.252792
1,4-Dioxane												
1,2-Diphenylhydrazine	5	0.9395803	10	0.8941122	20	0.9022896	40	0.7910616	50	0.8117722	60	0.8483397
Bis(2-ethylhexyl)phthalate	5	0.6809116	10	0.696049	20	0.7240521	40	0.6392159	50	0.667684	60	0.6908073
Fluoranthene	5	1.315024	10	1.285888	20	1.299553	40	1.150257	50	1.178525	60	1.237456
Fluorene	5	1.427943	10	1.37776	20	1.393796	40	1.23256	50	1.283604	60	1.352245
2-Fluorobiphenyl	5	1.379787	10	1.332113	20	1.323566	40	1.162246	50	1.222403	60	1.258599
2-Fluorophenol	10	1.214211	20	1.184901	40	1.215741	80	1.07233	100	1.096515	120	1.1412
Hexachlorobenzene	5	0.2642514	10	0.2518966	20	0.2524031	40	0.2278087	50	0.2304762	60	0.2443057
Hexachlorobutadiene	5	0.1958535	10	0.1924169	20	0.197703	40	0.1758159	50	0.1782143	60	0.1853061
Hexachlorocyclopentadiene	5	0.3479271	10	0.3459221	20	0.3868304	40	0.357985	50	0.3703015	60	0.3962933
Hexachloroethane	5	0.5846331	10	0.56404	20	0.5729063	40	0.5094484	50	0.5215085	60	0.5497472
Indeno(1,2,3-cd)pyrene	5	0.9329214	10	0.9621318	20	1.063819	40	1.008596	50	0.9848949	60	1.105305
Isophorone	5	0.7896668	10	0.7714455	20	0.7883782	40	0.7034726	50	0.7013248	60	0.7443144
1-Methylnaphthalene	5	0.6441305	10	0.6180163	20	0.6239926	40	0.54737	50	0.5549955	60	0.5772563
2-Methylnaphthalene	5	0.6435821	10	0.6278223	20	0.6404808	40	0.5564928	50	0.5627111	60	0.5897258
2-Methylphenol	5	1.260273	10	1.251825	20	1.277152	40	1.131961	50	1.167884	60	1.218514

INITIAL CALIBRATION DATA

SW8270C

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_012

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Calibration: 1122001

Instrument: MS-BNA3

Matrix: Water

Calibration Dates: 4/29/11 17:45 4/30/11 1:58

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	5	1.331706	10	1.290792	20	1.346713	40	1.190219	50	1.206537	60	1.281773
Naphthalene	5	1.122107	10	1.071727	20	1.07583	40	0.9265709	50	0.94301	60	0.973957
4-Nitroaniline	5	0.3430184	10	0.3360743	20	0.3479662	40	0.3116398	50	0.3255681	60	0.3397148
3-Nitroaniline	5	0.3309603	10	0.3378271	20	0.3400208	40	0.3008812	50	0.3121727	60	0.3258531
2-Nitroaniline	5	0.3665605	10	0.3700264	20	0.3853216	40	0.3493316	50	0.3598085	60	0.3803924
Nitrobenzene	5	0.4362066	10	0.4207695	20	0.4376126	40	0.3908491	50	0.3913832	60	0.4109914
Nitrobenzene-d5	5	0.4225447	10	0.4166832	20	0.4326009	40	0.3896115	50	0.3855663	60	0.4106561
4-Nitrophenol	5	0.229719	10	0.2494493	20	0.2828897	40	0.265577	50	0.2743758	60	0.2955233
2-Nitrophenol	5	0.1962052	10	0.1951651	20	0.2085142	40	0.1870232	50	0.1859271	60	0.198001
N-Nitrosodimethylamine	5	0.7020853	10	0.6974494	20	0.7179495	40	0.6502823	50	0.6591353	60	0.6915263
N-Nitrosodiphenylamine	5	0.7447467	10	0.702659	20	0.7022588	40	0.6229357	50	0.6399909	60	0.6681725
N-Nitroso-di-n-propylamine	5	1.084962	10	1.067234	20	1.095671	40	0.964017	50	0.9910933	60	1.042096
Pentachlorophenol	5	0.1466429	10	0.1458785	20	0.1722191	40	0.1555052	50	0.1599187	60	0.1729039
Phenanthrene	5	1.199467	10	1.144802	20	1.134825	40	0.990132	50	1.022705	60	1.064225
Phenol	5	1.763803	10	1.739868	20	1.780402	40	1.57708	50	1.605923	60	1.698477
Phenol-d6	10	1.662802	20	1.633678	40	1.679837	80	1.464852	100	1.513167	120	1.571116
Pyrene	5	1.262746	10	1.222088	20	1.241454	40	1.08272	50	1.115517	60	1.160478
Pyridine	5	1.508911	10	1.473681	20	1.566124	40	1.419584	50	1.429577	60	1.495931
Terphenyl-d14	5	0.7819621	10	0.7712491	20	0.7866967	40	0.6961461	50	0.7143354	60	0.753249
1,2,4,5-Tetrachlorobenzene												
2,3,4,6-Tetrachlorophenol	5	0.3424646	10	0.3390161	20	0.3503973	40	0.3066535	50	0.3206907	60	0.3389603
2,4,6-Tribromophenol	10	0.1109002	20	0.1068303	40	0.1114174	80	0.1032482	100	0.1035542	120	0.1120766
1,2,4-Trichlorobenzene	5	0.3746386	10	0.3584824	20	0.362458	40	0.320971	50	0.3209222	60	0.3385883
2,4,6-Trichlorophenol	5	0.3830191	10	0.3817827	20	0.3990224	40	0.3592382	50	0.3644658	60	0.395434
2,4,5-Trichlorophenol	5	0.4211802	10	0.4132209	20	0.4400895	40	0.3862672	50	0.4032646	60	0.4189467

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1122001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	4/29/11 17:45 4/30/11 1:58

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
Acenaphthene	80	1.070428	100	1.110154								
Acenaphthylene	80	1.618735	100	1.647107								
Acetophenone					5	1.880226	10	1.843684	20	1.726817	40	1.816985
Aniline	80	2.054588	100	2.043831								
Anthracene	80	1.035715	100	1.04405								
Atrazine					5	0.2382708	10	0.2429518	20	0.2278142	40	0.233576
Benzaldehyde					5	1.135886	10	1.104348	20	1.01959	40	1.026186
Benzidine					5	0.6324675	10	0.6598514	20	0.6461027	40	0.6640134
Benzo(a)anthracene	80	1.085495	100	1.102825								
Benzo(a)pyrene	80	1.043055	100	1.082603								
Benzo(b)fluoranthene	80	1.094292	100	1.158321								
Benzo(g,h,i)perylene	80	1.029641	100	1.06721								
Benzoic acid	80	0.2818719	100	0.2993054								
Benzo(k)fluoranthene	80	1.086365	100	1.097945								
Benzyl alcohol	80	0.8753887	100	0.8745454								
1,1-Biphenyl					5	1.527091	10	1.51435	20	1.38327	40	1.425931
4-Bromophenyl-phenylether	80	0.2212953	100	0.2313328								
Butylbenzylphthalate	80	0.506124	100	0.5159519								
Caprolactam					5	9.990739E-02	10	0.1104282	20	0.1119224	40	0.1178965
Carbazole	80	0.9981409	100	1.003717								
4-Chloro-3-methylphenol	80	0.3086181	100	0.3077652								
4-Chloroaniline	80	0.4023406	100	0.4016907								
Bis(2-chloroethoxy)methane	80	0.4085309	100	0.4094061								
Bis(2-chloroethyl)ether	80	1.257639	100	1.244128								
2,2'-Oxybis-1-chloropropane	80	1.890831	100	1.835877								
2-Chloronaphthalene	80	1.026935	100	1.065042								
2-Chlorophenol	80	1.285464	100	1.282664								
4-Chlorophenyl phenyl ether	80	0.6214753	100	0.6384061								
Chrysene	80	0.9983804	100	1.012507								
Dibenz(a,h)anthracene	80	1.023862	100	1.065065								
Dibenzofuran	80	1.474077	100	1.5066								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1122001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	4/29/11 17:45 4/30/11 1:58

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
Di-n-butylphthalate	80	1.11586	100	1.111806								
1,4-Dichlorobenzene	80	1.392334	100	1.402334								
1,3-Dichlorobenzene	80	1.374133	100	1.380718								
1,2-Dichlorobenzene	80	1.303595	100	1.306451								
3,3'-Dichlorobenzidine					5	0.3885638	10	0.4002254	20	0.3955931	40	0.4201307
2,6-Dichlorophenol					5	0.2969206	10	0.3013649	20	0.291966	40	0.3082091
2,4-Dichlorophenol	80	0.2966112	100	0.3015958								
Diethylphthalate	80	1.134853	100	1.157654								
2,4-Dimethylphenol	80	0.3587442	100	0.3633549								
Dimethyl phthalate	80	1.185465	100	1.222328								
4,6-Dinitro-2-methylphenol	80	0.1522534	100	0.1575479								
2,4-Dinitrophenol	80	0.2006293	100	0.2082968								
2,4-Dinitrotoluene	80	0.395113	100	0.4141599								
2,6-Dinitrotoluene	80	0.2878134	100	0.2968419								
Di-n-octylphthalate	80	1.208456	100	1.243757								
1,4-Dioxane					5	0.562493	10	0.5588019	20	0.5235447	40	0.5233689
1,2-Diphenylhydrazine	80	0.8016431	100	0.8168839								
Bis(2-ethylhexyl)phthalate	80	0.6617696	100	0.6739699								
Fluoranthene	80	1.192481	100	1.211512								
Fluorene	80	1.305665	100	1.326577								
2-Fluorobiphenyl	80	1.204291	100	1.24033								
2-Fluorophenol	160	1.101251	200	1.111221								
Hexachlorobenzene	80	0.2366873	100	0.2470671								
Hexachlorobutadiene	80	0.1811536	100	0.1883923								
Hexachlorocyclopentadiene	80	0.3839658	100	0.4105745								
Hexachloroethane	80	0.5306981	100	0.5387239								
Indeno(1,2,3-cd)pyrene	80	1.075263	100	1.17113								
Isophorone	80	0.7247781	100	0.7308301								
1-Methylnaphthalene	80	0.5632671	100	0.5691244								
2-Methylnaphthalene	80	0.577124	100	0.5814146								
2-Methylphenol	80	1.186174	100	1.175301								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1122001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	4/29/11 17:45 4/30/11 1:58

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	80	1.25282	100	1.246708								
Naphthalene	80	0.929288	100	0.9247047								
4-Nitroaniline	80	0.3041842	100	0.3101441								
3-Nitroaniline	80	0.3160066	100	0.3209305								
2-Nitroaniline	80	0.3679269	100	0.3808217								
Nitrobenzene	80	0.3959025	100	0.4026269								
Nitrobenzene-d5	80	0.3956873	100	0.4070452								
4-Nitrophenol	80	0.2875644	100	0.2922439								
2-Nitrophenol	80	0.1898848	100	0.1924385								
N-Nitrosodimethylamine	80	0.6770774	100	0.6814722								
N-Nitrosodiphenylamine	80	0.6421856	100	0.6601622								
N-Nitroso-di-n-propylamine	80	1.01735	100	1.009302								
Pentachlorophenol	80	0.1689527	100	0.1764541								
Phenanthrene	80	1.02087	100	1.029906								
Phenol	80	1.657873	100	1.678155								
Phenol-d6	160	1.528019	200	1.530415								
Pyrene	80	1.10517	100	1.119951								
Pyridine	80	1.469181	100	1.49947								
Terphenyl-d14	80	0.7229046	100	0.7432138								
1,2,4,5-Tetrachlorobenzene					5	0.3479122	10	0.3558868	20	0.3284806	40	0.3388667
2,3,4,6-Tetrachlorophenol	80	0.3293547	100	0.3450346								
2,4,6-Tribromophenol	160	0.1116489	200	0.1192761								
1,2,4-Trichlorobenzene	80	0.3260549	100	0.3352601								
2,4,6-Trichlorophenol	80	0.3790248	100	0.3940451								
2,4,5-Trichlorophenol	80	0.4068398	100	0.4243071								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1122001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	4/29/11 17:45 4/30/11 1:58

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
Acenaphthene												
Acenaphthylene												
Acetophenone	50	1.789068	60	1.770735	80	1.812049	100	1.776326				
Aniline												
Anthracene												
Atrazine	50	0.2359177	60	0.2321698	80	0.234271	100	0.2307739				
Benzaldehyde	50	0.9817363	60	0.9635899	80	0.9526789	100	0.8968237				
Benzidine	50	0.6420753	60	0.6442256	80	0.6312912	100	0.6103486				
Benzo(a)anthracene												
Benzo(a)pyrene												
Benzo(b)fluoranthene												
Benzo(g,h,i)perylene												
Benzoic acid												
Benzo(k)fluoranthene												
Benzyl alcohol												
1,1-Biphenyl	50	1.43195	60	1.402475	80	1.465295	100	1.405265				
4-Bromophenyl-phenylether												
Butylbenzylphthalate												
Caprolactam	50	0.1144193	60	0.1176165	80	0.1139048	100	0.1166416				
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												
Dibenzofuran												

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1122001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	4/29/11 17:45 4/30/11 1:58

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
Di-n-butylphthalate												
1,4-Dichlorobenzene												
1,3-Dichlorobenzene												
1,2-Dichlorobenzene												
3,3'-Dichlorobenzidine	50	0.412504	60	0.4101255	80	0.4135013	100	0.4131389				
2,6-Dichlorophenol	50	0.2904992	60	0.3021215	80	0.2987647	100	0.297978				
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	50	0.5272408	60	0.5401001	80	0.5695672	100	0.5195493				
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 (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1122001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	4/29/11 17:45 4/30/11 1:58

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												
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	50	0.3278198	60	0.3307788	80	0.3290598	100	0.3234578				
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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1122001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	4/29/11 17:45 4/30/11 1:58

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acenaphthene	1.110356	5.288294	10.29162	9.343479E-02			CCC (30)	
Acenaphthylene	1.725208	7.224824	10.072	8.837624E-02			15	
Acetophenone	1.801986	2.623006	6.9	0.0512758			15	
Aniline	2.099397	4.80832	5.967	0.2001409			15	
Anthracene	1.092671	7.109126	12.18775	7.884876E-02			15	
Atrazine	0.2344682	1.991174	11.74575	4.943708E-02			15	
Benzaldehyde	1.010105	7.8623	5.825625	7.236361E-02			15	
Benzidine	0.641297	2.654444	13.97425	4.038824E-02			15	
Benzo(a)anthracene	1.119297	4.274256	16.23525	0.0816524			15	
Benzo(a)pyrene	1.045862	3.535372	18.9035	0.1146499			CCC (30)	
Benzo(b)fluoranthene	1.093698	4.048684	18.29662	0.1113231			15	
Benzo(g,h,i)perylene	1.033139	3.890507	21.8865	0.2082456			15	
Benzoic acid	0.2679395	11.20774	7.781571	0.6947302			15	
Benzo(k)fluoranthene	1.107729	5.157608	18.3555	0.1297645			15	
Benzyl alcohol	0.8667655	4.400746	6.566875	0.2166256			15	
1,1-Biphenyl	1.444453	3.67168	9.52625	3.810599E-02			15	
4-Bromophenyl-phenylether	0.2284778	5.008023	11.5395	7.035777E-02			15	
Butylbenzylphthalate	0.5129818	3.492852	15.25225	6.767508E-02			15	
Caprolactam	0.1128421	5.193073	8.55075	0.1563915			15	
Carbazole	1.044381	6.624112	12.39137	8.639464E-02			15	
4-Chloro-3-methylphenol	0.3113523	4.210752	8.736125	0.1038012			CCC (30)	
4-Chloroaniline	0.4225325	6.03815	8.122625	0.1175516			15	
Bis(2-chloroethoxy)methane	0.4269873	6.185735	7.725875	0.1308561			15	
Bis(2-chloroethyl)ether	1.297842	5.559542	6.0525	0.1902114			15	
2,2'-Oxybis-1-chloropropane	1.947114	6.010514	6.7435	0.131801			15	
2-Chloronaphthalene	1.087766	6.697993	9.5495	8.079271E-02			15	
2-Chlorophenol	1.315004	4.624341	6.11375	0.1645746			15	
4-Chlorophenyl phenyl ether	0.6233489	4.843106	10.93262	7.540016E-02			15	
Chrysene	1.047865	6.082994	16.30862	0.1078386			15	
Dibenz(a,h)anthracene	1.004478	5.185987	21.30563	0.1755433			15	
Dibenzofuran	1.535116	6.402871	10.50525	9.099792E-02			15	
Di-n-butylphthalate	1.182012	6.755144	12.86425	6.288496E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1122001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	4/29/11 17:45 4/30/11 1:58

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.444956	5.466992	6.410625	0.1248613			CCC (30)	
1,3-Dichlorobenzene	1.427751	6.184247	6.312875	0.105711			15	
1,2-Dichlorobenzene	1.353765	5.754592	6.6015	9.658535E-02			15	
3,3'-Dichlorobenzidine	0.4067228	2.64104	16.20337	3.259867E-02			15	
2,6-Dichlorophenol	0.298478	1.900014	8.1265	4.341722E-02			15	
2,4-Dichlorophenol	0.3046728	4.192991	7.844125	0.1362117			CCC (30)	
Diethylphthalate	1.194731	6.529918	10.80025	0.1137489			15	
2,4-Dimethylphenol	0.3636609	4.326675	7.594375	0.1603634			15	
Dimethyl phthalate	1.244441	5.685728	9.930375	0.1671862			15	
4,6-Dinitro-2-methylphenol	0.1454148	8.990807	11.00038	0.1679983			15	
2,4-Dinitrophenol	0.1854397	12.00123	10.33129	0.1179144			SPCC (0.05)	
2,4-Dinitrotoluene	0.3929838	4.396053	10.49525	0.1523157			15	
2,6-Dinitrotoluene	0.2991862	4.878435	9.996875	0.1438581			15	
Di-n-octylphthalate	1.204345	4.453456	17.67838	7.317373E-02			CCC (30)	
1,4-Dioxane	0.5405832	3.738713	2.966125	0.8455495			15	
1,2-Diphenylhydrazine	0.8507103	6.449686	11.13088	9.327424E-02			15	
Bis(2-ethylhexyl)phthalate	0.6793074	3.730629	16.37963	6.115675E-02			15	
Fluoranthene	1.233837	4.928638	13.7625	9.359244E-02			CCC (30)	
Fluorene	1.337519	4.748586	10.932	9.604146E-02			15	
2-Fluorobiphenyl	1.265417	5.80845	9.402	7.848969E-02			15	
2-Fluorophenol	1.142171	4.910943	4.735625	0.2045971			15	
Hexachlorobenzene	0.244362	5.01217	11.60775	8.043427E-02			15	
Hexachlorobutadiene	0.1868569	4.354219	8.211375	6.390464E-02			CCC (30)	
Hexachlorocyclopentadiene	0.374975	6.237495	9.13225	6.029786E-02			SPCC (0.05)	
Hexachloroethane	0.5464632	4.780526	7.037625	8.255052E-02			15	
Indeno(1,2,3-cd)pyrene	1.038008	7.706288	21.23487	0.170273			15	
Isophorone	0.7442763	4.76768	7.447	0.2320769			15	
1-Methylnaphthalene	0.5872691	6.161853	9.060125	8.180225E-02			15	
2-Methylnaphthalene	0.5974192	5.83852	8.935875	7.367129E-02			15	
2-Methylphenol	1.208635	4.251053	6.698875	0.1714391			15	
3+4-Methylphenol	1.268409	4.36657	6.9085	0.2477057			15	
Naphthalene	0.9958993	8.109498	8.05525	8.805836E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_012	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1122001		Instrument:	MS-BNA3	
Matrix:	Water		Calibration Dates:	4/29/11 17:45	4/30/11 1:58

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
4-Nitroaniline	0.3272887	5.141513	10.96663	0.2298598			15	
3-Nitroaniline	0.3230815	4.120647	10.20188	0.1592925			15	
2-Nitroaniline	0.3700237	3.241451	9.68	0.1125277			15	
Nitrobenzene	0.4107927	4.625764	7.1275	0.1614281			15	
Nitrobenzene-d5	0.4075494	4.033432	7.1015	0.150497			15	
4-Nitrophenol	0.2721678	8.409362	10.40112	0.1699928			SPCC (0.05)	
2-Nitrophenol	0.1941449	3.724196	7.534125	0.1204379			CCC (30)	
N-Nitrosodimethylamine	0.6846222	3.277107	3.268625	0.4561992			15	
N-Nitrosodiphenylamine	0.6728889	6.054145	11.08487	0.122818			CCC (30)	
N-Nitroso-di-n-propylamine	1.033966	4.50625	6.924	0.341437			SPCC (0.05)	
Pentachlorophenol	0.1623094	7.444736	11.84938	7.159059E-02			CCC (30)	
Phenanthrene	1.075866	6.933794	12.12375	8.032742E-02			15	
Phenol	1.687698	4.315264	5.922875	0.2981099			CCC (30)	
Phenol-d6	1.572986	4.940565	5.90625	0.2878739			15	
Pyrene	1.163766	5.943883	14.11538	0.0929633			15	
Pyridine	1.482807	3.139741	3.313875	0.4229696			15	
Terphenyl-d14	0.7462196	4.435474	14.37887	7.151091E-02			15	
1,2,4,5-Tetrachlorobenzene	0.3352828	3.377528	9.142125	3.575815E-02			15	
2,3,4,6-Tetrachlorophenol	0.3340715	4.320893	10.65287	9.534642E-02			15	
2,4,6-Tribromophenol	0.109869	4.778459	11.23037	0.1037614			15	
1,2,4-Trichlorobenzene	0.3421719	6.002622	7.953	8.322603E-02			15	
2,4,6-Trichlorophenol	0.382004	3.768651	9.2885	6.754752E-02			CCC (30)	
2,4,5-Trichlorophenol	0.4142645	3.869366	9.329125	9.747652E-02			15	

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
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_012
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_012
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_012
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_012
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_012
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

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-ICV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1E12203	Injection Date:	04/30/11
Lab Sample ID:	1E12203-ICV1	Injection Time:	15:07

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acenaphthene	A	50.00	50.99	1.110356	1.132237		2.0	20
Acenaphthylene	A	50.00	52.08	1.725208	1.796804		4.1	20
Anthracene	A	50.00	53.21	1.092671	1.162801		6.4	20
Benzo(a)anthracene	A	50.00	53.94	1.119297	1.207582		7.9	20
Benzo(a)pyrene	A	50.00	54.76	1.045862	1.145479		9.5	20
Benzo(b)fluoranthene	A	50.00	53.30	1.093698	1.165866		6.6	20
Benzo(g,h,i)perylene	A	50.00	55.29	1.033139	1.142352		10.6	20
Benzoic acid	A	50.00	56.42	0.2679395	0.302351		12.8	20
Benzo(k)fluoranthene	A	50.00	54.50	1.107729	1.207431		9.0	20
4-Bromophenyl-phenylether	A	50.00	52.91	0.2284778	0.2417889		5.8	20
Butylbenzylphthalate	A	50.00	56.82	0.5129818	0.582953		13.6	20
Carbazole	A	50.00	51.29	1.044381	1.071248		2.6	20
4-Chloro-3-methylphenol	A	50.00	52.69	0.3113523	0.3281338		5.4	20
4-Chloroaniline	A	50.00	50.78	0.4225325	0.4291082		1.6	20
Bis(2-chloroethoxy)methane	A	50.00	54.60	0.4269873	0.4662333		9.2	20
Bis(2-chloroethyl)ether	A	50.00	52.57	1.297842	1.3646		5.1	20
2,2'-Oxybis-1-chloropropane	A	50.00	51.93	1.947114	2.022377		3.9	20
2-Chloronaphthalene	A	50.00	52.76	1.087766	1.147861		5.5	20
2-Chlorophenol	A	50.00	53.41	1.315004	1.404776		6.8	20
4-Chlorophenyl phenyl ether	A	50.00	51.82	0.6233489	0.6461009		3.6	20
Chrysene	A	50.00	53.37	1.047865	1.118417		6.7	20
Dibenz(a,h)anthracene	A	50.00	56.42	1.004478	1.133417		12.8	20
Dibenzofuran	A	50.00	53.17	1.535116	1.632439		6.3	20
Di-n-butylphthalate	A	50.00	52.16	1.182012	1.233187		4.3	20
2,4-Dichlorophenol	A	50.00	52.27	0.3046728	0.3185106		4.5	20
Diethylphthalate	A	50.00	52.18	1.194731	1.246888		4.4	20
2,4-Dimethylphenol	A	50.00	53.80	0.3636609	0.3913226		7.6	20
Dimethyl phthalate	A	50.00	52.08	1.244441	1.296196		4.2	20
2,4-Dinitrotoluene	A	50.00	52.99	0.3929838	0.4165004		6.0	20

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-ICV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1E12203	Injection Date:	04/30/11
Lab Sample ID:	1E12203-ICV1	Injection Time:	15:07

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
2,6-Dinitrotoluene	A	50.00	53.60	0.2991862	0.3207071		7.2	20
Di-n-octylphthalate	A	50.00	55.56	1.204345	1.338299		11.1	20
1,2-Diphenylhydrazine	A	50.00	51.69	0.8507103	0.8794004		3.4	20
Bis(2-ethylhexyl)phthalate	A	50.00	54.80	0.6793074	0.7445394		9.6	20
Fluoranthene	A	50.00	52.70	1.233837	1.300481		5.4	20
Fluorene	A	50.00	52.74	1.337519	1.410746		5.5	20
Hexachlorobenzene	A	50.00	53.53	0.244362	0.2616019		7.1	20
Hexachlorobutadiene	A	50.00	56.62	0.1868569	0.2116138		13.2	20
Hexachlorocyclopentadiene	A	50.00	50.51	0.374975	0.3787812	0.05	1.0	20
Hexachloroethane	A	50.00	53.43	0.5464632	0.5839846		6.9	20
Indeno(1,2,3-cd)pyrene	A	50.00	55.78	1.038008	1.157962		11.6	20
Isophorone	A	50.00	51.26	0.7442763	0.7630284		2.5	20
1-Methylnaphthalene	A	50.00	50.47	0.5872691	0.5928174		0.9	20
2-Methylnaphthalene	A	50.00	52.21	0.5974192	0.6238767		4.4	20
2-Methylphenol	A	50.00	52.67	1.208635	1.273291		5.3	20
3+4-Methylphenol	A	50.00	51.20	1.268409	1.298786		2.4	20
4-Nitroaniline	A	50.00	53.01	0.3272887	0.3469818		6.0	20
3-Nitroaniline	A	50.00	53.20	0.3230815	0.3437513		6.4	20
2-Nitroaniline	A	50.00	53.86	0.3700237	0.3985975		7.7	20
Nitrobenzene	A	50.00	52.75	0.4107927	0.4333935		5.5	20
4-Nitrophenol	A	50.00	53.70	0.2721678	0.292285	0.05	7.4	20
2-Nitrophenol	A	50.00	53.57	0.1941449	0.2080171		7.1	20
N-Nitrosodiphenylamine	A	50.00	53.24	0.6728889	0.7164793		6.5	20
N-Nitroso-di-n-propylamine	A	50.00	54.25	1.033966	1.12186	0.05	8.5	20
Phenanthrene	A	50.00	53.38	1.075866	1.148675		6.8	20
Phenol	A	50.00	52.06	1.687698	1.757079		4.1	20
Pyrene	A	50.00	54.76	1.163766	1.274472		9.5	20
2,4,6-Trichlorophenol	A	50.00	53.68	0.382004	0.4101383		7.4	20
2,4,5-Trichlorophenol	A	50.00	52.48	0.4142645	0.4348178		5.0	20

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-ICV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1E12203	Injection Date:	04/30/11
Lab Sample ID:	1E12203-ICV1	Injection Time:	15:07

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
2-Fluorobiphenyl	A	50.00	54.11	1.265417	1.369371		8.2	20
2-Fluorophenol	A	100.0	114.6	1.142171	1.308424		14.6	20
Nitrobenzene-d5	A	50.00	55.94	0.4075494	0.4559688		11.9	20
Terphenyl-d14	A	50.00	54.87	0.7462196	0.8189273		9.7	20
2,4,6-Tribromophenol	A	100.0	109.2	0.109869	0.1200227		9.2	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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-ICV2.D	Calibration Date:	04/29/11 00:00
Sequence:	1E12203	Injection Date:	04/30/11
Lab Sample ID:	1E12203-ICV2	Injection Time:	15:40

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetophenone	A	50.00	48.88	1.801986	1.761675		-2.2	20
Atrazine	A	50.00	50.39	0.2344682	0.2362964		0.8	20
Benzidine	A	50.00	49.05	0.641297	0.6290564		-1.9	20
1,1-Biphenyl	A	50.00	51.20	1.444453	1.479098		2.4	20
Caprolactam	A	50.00	56.58	0.1128421	0.1276823		13.2	20
3,3'-Dichlorobenzidine	A	50.00	52.77	0.4067228	0.4292329		5.5	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-ICV5.D	Calibration Date:	04/29/11 00:00
Sequence:	1E12203	Injection Date:	04/30/11
Lab Sample ID:	1E12203-ICV3	Injection Time:	17:19

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
4,6-Dinitro-2-methylphenol	A	50.00	53.45	0.1454148	0.1554342		6.9	20
2,4-Dinitrophenol	A	50.00	61.89	0.1854397	0.2295477	0.05	23.8	20 *
Pentachlorophenol	A	50.00	56.14	0.1623094	0.1822508		12.3	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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-ICV4.D	Calibration Date:	04/29/11 00:00
Sequence:	1E12203	Injection Date:	05/02/11
Lab Sample ID:	1E12203-ICV4	Injection Time:	14:16

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Benzaldehyde	A	50.00	50.85	1.010105	1.027374		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

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
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:	1E13813	Injection Date:	05/17/11
Lab Sample ID:	1E13813-CCV1	Injection Time:	18:14

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
3,3'-Dichlorobenzidine	A	50.00	43.69	0.3840471	0.3356008		-12.6	20
Acenaphthene	A	50.00	46.40	1.082656	1.004783		-7.2	20
Acenaphthylene	A	50.00	45.48	1.744325	1.58657		-9.0	20
Acetophenone	A	50.00	39.10	1.555244	1.216251		-21.8	20 *
Anthracene	A	50.00	55.20	1.056507	1.166361		10.4	20
Atrazine	A	50.00	50.84	0.2049826	0.20841		1.7	20
Benzaldehyde	A	50.00	46.54	1.012551	0.9424952		-6.9	20
Benzidine	A	50.00	50.75	0.6314527	0.6409683		1.5	20
Benzo(a)anthracene	A	50.00	50.71	1.138713	1.15479		1.4	20
Benzo(a)pyrene	A	50.00	51.87	1.044021	1.083047		3.7	20
Benzo(b)fluoranthene	A	50.00	58.67	1.099993	1.29083		17.3	20
Benzo(g,h,i)perylene	A	50.00	51.32	0.758931	0.7790208		2.6	20
Benzoic acid	L	50.00	46.45	0.2348828	0.2482595		-7.1	20
Benzo(k)fluoranthene	A	50.00	59.55	1.214732	1.446833		19.1	20
1,1-Biphenyl	A	50.00	38.73	1.44264	1.117366		-22.5	20 *
4-Bromophenyl-phenylether	A	50.00	57.00	0.2302946	0.2625281		14.0	20
Butylbenzylphthalate	A	50.00	50.22	0.7695074	0.7729063		0.4	20
Caprolactam	A	50.00	48.08	0.1265101	0.1216409		-3.8	20
Carbazole	A	50.00	53.30	0.9188467	0.979559		6.6	20
4-Chloro-3-methylphenol	A	50.00	50.87	0.2827335	0.2876724		1.7	20
4-Chloroaniline	A	50.00	48.42	0.4407449	0.426827		-3.2	20
Bis(2-chloroethoxy)methane	A	50.00	50.21	0.4591519	0.4610968		0.4	20
Bis(2-chloroethyl)ether	A	50.00	46.95	1.34682	1.264611		-6.1	20
2,2'-Oxybis-1-chloropropane	A	50.00	43.47	1.935852	1.682953		-13.1	20
2-Chloronaphthalene	A	50.00	60.80	1.140238	1.386527		21.6	20 *
2-Chlorophenol	A	50.00	48.59	1.301605	1.264773		-2.8	20
4-Chlorophenyl phenyl ether	A	50.00	50.90	0.5334126	0.5429781		1.8	20
Chrysene	A	50.00	49.14	1.122748	1.103522		-1.7	20
Dibenz(a,h)anthracene	A	50.00	51.96	0.7664032	0.7965146		3.9	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
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:	1E13813	Injection Date:	05/17/11
Lab Sample ID:	1E13813-CCV1	Injection Time:	18:14

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Dibenzofuran	A	50.00	46.24	1.497787	1.385019		-7.5	20
Di-n-butylphthalate	A	50.00	46.71	1.375428	1.284913		-6.6	20
2,4-Dichlorophenol	A	50.00	52.30	0.3178164	0.332415		4.6	20
Diethylphthalate	L	50.00	49.75	1.347533	1.20774		-0.5	20
2,4-Dimethylphenol	A	50.00	51.86	0.3417719	0.3544959		3.7	20
Dimethyl phthalate	A	50.00	43.65	1.321588	1.153794		-12.7	20
4,6-Dinitro-2-methylphenol	L	50.00	55.50	0.1179191	0.1561521		11.0	20
2,4-Dinitrophenol	L	50.00	51.58	0.1369907	0.1629205	0.05	3.2	20
2,4-Dinitrotoluene	A	50.00	49.62	0.373936	0.3710712		-0.8	20
2,6-Dinitrotoluene	A	50.00	44.89	0.3483244	0.3127207		-10.2	20
Di-n-octylphthalate	A	50.00	54.81	1.792929	1.965534		9.6	20
1,2-Diphenylhydrazine	A	50.00	49.07	0.8347356	0.8191502		-1.9	20
Bis(2-ethylhexyl)phthalate	A	50.00	49.56	1.025088	1.016025		-0.9	20
Fluoranthene	A	50.00	47.39	1.072845	1.016762		-5.2	20
Fluorene	A	50.00	47.71	1.147043	1.094547		-4.6	20
Hexachlorobenzene	A	50.00	56.81	0.2598125	0.2951781		13.6	20
Hexachlorobutadiene	A	50.00	53.39	0.1763327	0.1882996		6.8	20
Hexachlorocyclopentadiene	A	50.00	54.62	0.350099	0.3824183	0.05	9.2	20
Hexachloroethane	A	50.00	48.90	0.5725119	0.5598666		-2.2	20
Indeno(1,2,3-cd)pyrene	A	50.00	52.90	0.9228439	0.9763089		5.8	20
Isophorone	A	50.00	43.99	0.7715062	0.6787677		-12.0	20
1-Methylnaphthalene	A	50.00	48.59	0.5079573	0.4936224		-2.8	20
2-Methylnaphthalene	A	50.00	51.53	0.4934064	0.508544		3.1	20
2-Methylphenol	A	50.00	51.17	1.135332	1.16186		2.3	20
3+4-Methylphenol	A	50.00	43.89	1.186012	1.041052		-12.2	20
4-Nitroaniline	A	50.00	60.29	0.2309184	0.2784205		20.6	20 *
3-Nitroaniline	A	50.00	50.37	0.3482787	0.3508408		0.7	20
2-Nitroaniline	A	50.00	47.83	0.3251388	0.3110438		-4.3	20
Nitrobenzene	A	50.00	45.26	0.3585356	0.3245441		-9.5	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
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:	1E13813	Injection Date:	05/17/11
Lab Sample ID:	1E13813-CCV1	Injection Time:	18:14

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Nitrophenol	A	50.00	45.41	0.1977617	0.1796118	0.05	-9.2	20
2-Nitrophenol	A	50.00	53.49	0.2241114	0.2397595		7.0	20
N-Nitrosodiphenylamine	A	50.00	50.27	0.6599038	0.6634641		0.5	20
N-Nitroso-di-n-propylamine	A	50.00	41.38	0.8341912	0.6903478	0.05	-17.2	20
Pentachlorophenol	L	50.00	57.92	0.1614679	0.2057054		15.8	20
Phenanthrene	A	50.00	50.02	1.057442	1.057828		0.04	20
Phenol	A	50.00	45.67	1.614787	1.474795		-8.7	20
Pyrene	A	50.00	57.26	1.298906	1.487613		14.5	20
2,4,6-Trichlorophenol	A	50.00	43.08	0.4009275	0.3454286		-13.8	20
2,4,5-Trichlorophenol	A	50.00	49.02	0.4318641	0.4233994		-2.0	20
2-Fluorobiphenyl	A	50.00	45.78	1.2999	1.190114		-8.4	20
2-Fluorophenol	A	100.0	100.4	1.224809	1.229286		0.4	20
Nitrobenzene-d5	A	50.00	50.76	0.3691845	0.3748177		1.5	20
Phenol-d6	A	100.0	90.31	1.556882	1.406013		-9.7	20
Terphenyl-d14	A	50.00	54.28	0.812066	0.8816124		8.6	20
2,4,6-Tribromophenol	A	100.0	116.8	0.1449031	0.1692694		16.8	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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV3.D	Calibration Date:	04/29/11 00:00
Sequence:	1E14006	Injection Date:	05/19/11
Lab Sample ID:	1E14006-CCV1	Injection Time:	13:14

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acenaphthene	A	50.00	54.66	1.110356	1.213777		9.3	20	
Acenaphthylene	A	50.00	54.88	1.725208	1.893629		9.8	20	
Acetophenone	A	50.00	45.80	1.801986	1.650523		-8.4	20	
Anthracene	A	50.00	52.35	1.092671	1.144072		4.7	20	
Atrazine	A	50.00	47.37	0.2344682	0.2221374		-5.3	20	
Benzaldehyde	A	50.00	37.05	1.010105	0.7484706		-25.9	20	*
Benzidine	A	50.00	53.81	0.641297	0.6901187		7.6	20	
Benzo(a)anthracene	A	50.00	54.07	1.119297	1.210353		8.1	20	
Benzo(a)pyrene	A	50.00	56.86	1.045862	1.18933		13.7	20	
Benzo(b)fluoranthene	A	50.00	60.14	1.093698	1.315621		20.3	20	*
Benzo(g,h,i)perylene	A	50.00	53.38	1.033139	1.103032		6.8	20	
Benzoic acid	A	50.00	38.29	0.2679395	0.2051734		-23.4	20	*
Benzo(k)fluoranthene	A	50.00	56.61	1.107729	1.254168		13.2	20	
1,1-Biphenyl	A	50.00	52.13	1.444453	1.505991		4.3	20	
4-Bromophenyl-phenylether	A	50.00	52.25	0.2284778	0.2387451		4.5	20	
Butylbenzylphthalate	A	50.00	55.03	0.5129818	0.5645876		10.1	20	
Caprolactam	A	50.00	47.23	0.1128421	0.1065945		-5.5	20	
Carbazole	A	50.00	51.96	1.044381	1.085356		3.9	20	
4-Chloro-3-methylphenol	A	50.00	47.88	0.3113523	0.2981851		-4.2	20	
4-Chloroaniline	A	50.00	50.81	0.4225325	0.4293784		1.6	20	
Bis(2-chloroethoxy)methane	A	50.00	46.44	0.4269873	0.396544		-7.1	20	
Bis(2-chloroethyl)ether	A	50.00	45.95	1.297842	1.192619		-8.1	20	
2,2'-Oxybis-1-chloropropane	A	50.00	41.94	1.947114	1.633159		-16.1	20	
2-Chloronaphthalene	A	50.00	57.42	1.087766	1.249117		14.8	20	
2-Chlorophenol	A	50.00	51.79	1.315004	1.362086		3.6	20	
4-Chlorophenyl phenyl ether	A	50.00	53.35	0.6233489	0.6651507		6.7	20	
Chrysene	A	50.00	53.15	1.047865	1.113807		6.3	20	
Dibenz(a,h)anthracene	A	50.00	54.16	1.004478	1.088063		8.3	20	
Dibenzofuran	A	50.00	53.41	1.535116	1.639923		6.8	20	

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV3.D	Calibration Date:	04/29/11 00:00
Sequence:	1E14006	Injection Date:	05/19/11
Lab Sample ID:	1E14006-CCV1	Injection Time:	13:14

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Di-n-butylphthalate	A	50.00	54.27	1.182012	1.28306		8.5	20
3,3'-Dichlorobenzidine	A	50.00	59.78	0.4067228	0.4862941		19.6	20
2,4-Dichlorophenol	A	50.00	51.54	0.3046728	0.3140743		3.1	20
Diethylphthalate	A	50.00	53.89	1.194731	1.28763		7.8	20
2,4-Dimethylphenol	A	50.00	48.38	0.3636609	0.3518529		-3.2	20
Dimethyl phthalate	A	50.00	52.28	1.244441	1.301266		4.6	20
4,6-Dinitro-2-methylphenol	A	50.00	53.52	0.1454148	0.1556489		7.0	20
2,4-Dinitrophenol	A	50.00	53.40	0.1854397	0.1980666	0.05	6.8	20
2,4-Dinitrotoluene	A	50.00	53.91	0.3929838	0.4237081		7.8	20
2,6-Dinitrotoluene	A	50.00	53.01	0.2991862	0.3172154		6.0	20
Di-n-octylphthalate	A	50.00	59.31	1.204345	1.428524		18.6	20
1,2-Diphenylhydrazine	A	50.00	42.86	0.8507103	0.7292125		-14.3	20
Bis(2-ethylhexyl)phthalate	A	50.00	55.74	0.6793074	0.7572945		11.5	20
Fluoranthene	A	50.00	52.28	1.233837	1.290243		4.6	20
Fluorene	A	50.00	54.07	1.337519	1.446306		8.1	20
Hexachlorobenzene	A	50.00	52.28	0.244362	0.2554806		4.6	20
Hexachlorobutadiene	A	50.00	53.77	0.1868569	0.2009437		7.5	20
Hexachlorocyclopentadiene	A	50.00	53.44	0.374975	0.4007827	0.05	6.9	20
Hexachloroethane	A	50.00	50.73	0.5464632	0.5543986		1.5	20
Indeno(1,2,3-cd)pyrene	A	50.00	52.30	1.038008	1.085707		4.6	20
Isophorone	A	50.00	44.22	0.7442763	0.6582675		-11.6	20
1-Methylnaphthalene	A	50.00	51.78	0.5872691	0.6081295		3.6	20
2-Methylnaphthalene	A	50.00	52.32	0.5974192	0.6251461		4.6	20
2-Methylphenol	A	50.00	47.12	1.208635	1.139145		-5.7	20
3+4-Methylphenol	A	50.00	46.58	1.268409	1.181592		-6.8	20
4-Nitroaniline	A	50.00	49.60	0.3272887	0.3247082		-0.8	20
3-Nitroaniline	A	50.00	52.27	0.3230815	0.3377258		4.5	20
2-Nitroaniline	A	50.00	46.71	0.3700237	0.3456876		-6.6	20
Nitrobenzene	A	50.00	43.93	0.4107927	0.3609266		-12.1	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV3.D	Calibration Date:	04/29/11 00:00
Sequence:	1E14006	Injection Date:	05/19/11
Lab Sample ID:	1E14006-CCV1	Injection Time:	13:14

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Nitrophenol	A	50.00	37.97	0.2721678	0.2066697	0.05	-24.1	20 *
2-Nitrophenol	A	50.00	55.04	0.1941449	0.2137039		10.1	20
N-Nitrosodiphenylamine	A	50.00	51.48	0.6728889	0.6927931		3.0	20
N-Nitroso-di-n-propylamine	A	50.00	42.50	1.033966	0.878956	0.05	-15.0	20
Pentachlorophenol	A	50.00	46.68	0.1623094	0.1515473		-6.6	20
Phenanthrene	A	50.00	52.19	1.075866	1.122942		4.4	20
Phenol	A	50.00	46.60	1.687698	1.572879		-6.8	20
Pyrene	A	50.00	52.64	1.163766	1.225244		5.3	20
2,4,6-Trichlorophenol	A	50.00	53.08	0.382004	0.4055538		6.2	20
2,4,5-Trichlorophenol	A	50.00	52.38	0.4142645	0.4340021		4.8	20
2-Fluorobiphenyl	A	50.00	52.87	1.265417	1.338102		5.7	20
2-Fluorophenol	A	100.0	92.30	1.142171	1.054263		-7.7	20
Nitrobenzene-d5	A	50.00	43.38	0.4075494	0.3535501		-13.2	20
Phenol-d6	A	100.0	91.71	1.572986	1.442553		-8.3	20
Terphenyl-d14	A	50.00	53.58	0.7462196	0.7996176		7.2	20
2,4,6-Tribromophenol	A	100.0	111.2	0.109869	0.1221256		11.2	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_012
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:	1E14407	Injection Date:	05/23/11
Lab Sample ID:	1E14407-CCV1	Injection Time:	15:35

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
3,3'-Dichlorobenzidine	A	50.00	47.82	0.3840471	0.3672722		-4.4	20
Acenaphthene	A	50.00	49.98	1.082656	1.082182		-0.04	20
Acenaphthylene	A	50.00	52.21	1.744325	1.821579		4.4	20
Acetophenone	A	50.00	41.88	1.555244	1.302737		-16.2	20
Anthracene	A	50.00	53.82	1.056507	1.137175		7.6	20
Atrazine	A	50.00	43.72	0.2049826	0.1792317		-12.6	20
Benzaldehyde	A	50.00	32.95	1.012551	0.6672911		-34.1	20 *
Benzidine	A	50.00	50.51	0.6314527	0.6379513		1.0	20
Benzo(a)anthracene	A	50.00	50.21	1.138713	1.143435		0.4	20
Benzo(a)pyrene	A	50.00	52.82	1.044021	1.102999		5.6	20
Benzo(b)fluoranthene	A	50.00	56.48	1.099993	1.242492		13.0	20
Benzo(g,h,i)perylene	A	50.00	50.73	0.758931	0.7699672		1.5	20
Benzoic acid	L	50.00	57.60	0.2348828	0.3140601		15.2	20
Benzo(k)fluoranthene	A	50.00	55.42	1.214732	1.346324		10.8	20
1,1-Biphenyl	A	50.00	45.40	1.44264	1.309961		-9.2	20
4-Bromophenyl-phenylether	A	50.00	55.98	0.2302946	0.2578297		12.0	20
Butylbenzylphthalate	A	50.00	52.08	0.7695074	0.8015128		4.2	20
Caprolactam	A	50.00	54.67	0.1265101	0.1383293		9.3	20
Carbazole	A	50.00	53.73	0.9188467	0.9874002		7.5	20
4-Chloro-3-methylphenol	A	50.00	54.50	0.2827335	0.3082025		9.0	20
4-Chloroaniline	A	50.00	48.87	0.4407449	0.4307404		-2.3	20
Bis(2-chloroethoxy)methane	A	50.00	55.21	0.4591519	0.5069552		10.4	20
Bis(2-chloroethyl)ether	A	50.00	47.59	1.34682	1.282028		-4.8	20
2,2'-Oxybis-1-chloropropane	A	50.00	42.87	1.935852	1.659982		-14.3	20
2-Chloronaphthalene	A	50.00	66.52	1.140238	1.516953		33.0	20 *
2-Chlorophenol	A	50.00	51.11	1.301605	1.330419		2.2	20
4-Chlorophenyl phenyl ether	A	50.00	55.97	0.5334126	0.5971532		11.9	20
Chrysene	A	50.00	54.12	1.122748	1.215232		8.2	20
Dibenz(a,h)anthracene	A	50.00	51.09	0.7664032	0.7831087		2.2	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
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:	1E14407	Injection Date:	05/23/11
Lab Sample ID:	1E14407-CCV1	Injection Time:	15:35

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Dibenzofuran	A	50.00	55.24	1.497787	1.654865		10.5	20
Di-n-butylphthalate	A	50.00	52.32	1.375428	1.4393		4.6	20
2,4-Dichlorophenol	A	50.00	59.27	0.3178164	0.3767345		18.5	20
Diethylphthalate	L	50.00	57.88	1.347533	1.386479		15.8	20
2,4-Dimethylphenol	A	50.00	52.02	0.3417719	0.3555644		4.0	20
Dimethyl phthalate	A	50.00	52.57	1.321588	1.38957		5.1	20
4,6-Dinitro-2-methylphenol	L	50.00	64.72	0.1179191	0.1843672		29.4	20 *
2,4-Dinitrophenol	L	50.00	73.54	0.1369907	0.248757	0.05	47.1	20 *
2,4-Dinitrotoluene	A	50.00	61.71	0.373936	0.4614835		23.4	20 *
2,6-Dinitrotoluene	A	50.00	58.08	0.3483244	0.4046149		16.2	20
Di-n-octylphthalate	A	50.00	65.27	1.792929	2.340424		30.5	20 *
1,2-Diphenylhydrazine	A	50.00	48.94	0.8347356	0.817018		-2.1	20
Bis(2-ethylhexyl)phthalate	A	50.00	53.50	1.025088	1.096867		7.0	20
Fluoranthene	A	50.00	49.59	1.072845	1.063963		-0.8	20
Fluorene	A	50.00	57.69	1.147043	1.323544		15.4	20
Hexachlorobenzene	A	50.00	55.94	0.2598125	0.2906586		11.9	20
Hexachlorobutadiene	A	50.00	55.20	0.1763327	0.194682		10.4	20
Hexachlorocyclopentadiene	A	50.00	57.63	0.350099	0.4035339	0.05	15.3	20
Hexachloroethane	A	50.00	54.08	0.5725119	0.6191771		8.2	20
Indeno(1,2,3-cd)pyrene	A	50.00	48.74	0.9228439	0.8995049		-2.5	20
Isophorone	A	50.00	50.08	0.7715062	0.7727483		0.2	20
1-Methylnaphthalene	A	50.00	52.01	0.5079573	0.5283323		4.0	20
2-Methylnaphthalene	A	50.00	52.74	0.4934064	0.5204861		5.5	20
2-Methylphenol	A	50.00	50.38	1.135332	1.143935		0.8	20
3+4-Methylphenol	A	50.00	41.81	1.186012	0.9916643		-16.4	20
4-Nitroaniline	A	50.00	76.21	0.2309184	0.3519677		52.4	20 *
3-Nitroaniline	A	50.00	54.75	0.3482787	0.3813762		9.5	20
2-Nitroaniline	A	50.00	55.35	0.3251388	0.3599303		10.7	20
Nitrobenzene	A	50.00	55.84	0.3585356	0.4003778		11.7	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
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:	1E14407	Injection Date:	05/23/11
Lab Sample ID:	1E14407-CCV1	Injection Time:	15:35

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Nitrophenol	A	50.00	55.71	0.1977617	0.2203465	0.05	11.4	20
2-Nitrophenol	A	50.00	52.11	0.2241114	0.2335909		4.2	20
N-Nitrosodiphenylamine	A	50.00	54.42	0.6599038	0.7182613		8.8	20
N-Nitroso-di-n-propylamine	A	50.00	38.13	0.8341912	0.6362332	0.05	-23.7	20 *
Pentachlorophenol	L	50.00	59.27	0.1614679	0.2107658		18.5	20
Phenanthrene	A	50.00	53.32	1.057442	1.127632		6.6	20
Phenol	A	50.00	56.61	1.614787	1.828336		13.2	20
Pyrene	A	50.00	58.80	1.298906	1.527475		17.6	20
2,4,6-Trichlorophenol	A	50.00	50.68	0.4009275	0.4063709		1.4	20
2,4,5-Trichlorophenol	A	50.00	55.72	0.4318641	0.4812751		11.4	20
2-Fluorobiphenyl	A	50.00	55.11	1.2999	1.43273		10.2	20
2-Fluorophenol	A	100.0	104.1	1.224809	1.275508		4.1	20
Nitrobenzene-d5	A	50.00	58.22	0.3691845	0.4298712		16.4	20
Phenol-d6	A	100.0	103.4	1.556882	1.609174		3.4	20
Terphenyl-d14	A	50.00	57.04	0.812066	0.9263706		14.1	20
2,4,6-Tribromophenol	A	100.0	114.4	0.1449031	0.1657062		14.4	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
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:	1F15808	Injection Date:	06/04/11
Lab Sample ID:	1F15808-CCV1	Injection Time:	22:15

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
3,3'-Dichlorobenzidine	A	50.00	45.32	0.3840471	0.3481165		-9.4	20
Acenaphthene	A	50.00	46.04	1.082656	0.9970071		-7.9	20
Acenaphthylene	A	50.00	43.74	1.744325	1.526084		-12.5	20
Acetophenone	A	50.00	50.06	1.555244	1.556973		0.1	20
Anthracene	A	50.00	46.45	1.056507	0.9814705		-7.1	20
Atrazine	A	50.00	47.65	0.2049826	0.1953444		-4.7	20
Benzaldehyde	A	50.00	41.33	1.012551	0.8370387		-17.3	20
Benzidine	A	50.00	66.10	0.6314527	0.8347278		32.2	20 *
Benzo(a)anthracene	A	50.00	46.11	1.138713	1.050147		-7.8	20
Benzo(a)pyrene	A	50.00	51.33	1.044021	1.07183		2.7	20
Benzo(b)fluoranthene	A	50.00	53.30	1.099993	1.172631		6.6	20
Benzo(g,h,i)perylene	A	50.00	50.47	0.758931	0.7660531		0.9	20
Benzoic acid	L	50.00	57.09	0.2348828	0.3110621		14.2	20
Benzo(k)fluoranthene	A	50.00	46.72	1.214732	1.135125		-6.6	20
1,1-Biphenyl	A	50.00	47.09	1.44264	1.358735		-5.8	20
4-Bromophenyl-phenylether	A	50.00	45.27	0.2302946	0.2084978		-9.5	20
Butylbenzylphthalate	A	50.00	46.62	0.7695074	0.7174947		-6.8	20
Caprolactam	A	50.00	48.16	0.1265101	0.1218422		-3.7	20
Carbazole	A	50.00	50.02	0.9188467	0.919296		0.05	20
4-Chloro-3-methylphenol	A	50.00	62.91	0.2827335	0.3557597		25.8	20 *
4-Chloroaniline	A	50.00	47.35	0.4407449	0.4173717		-5.3	20
Bis(2-chloroethoxy)methane	A	50.00	47.07	0.4591519	0.4322047		-5.9	20
Bis(2-chloroethyl)ether	A	50.00	37.46	1.34682	1.009013		-25.1	20 *
2,2'-Oxybis-1-chloropropane	A	50.00	26.73	1.935852	1.035045		-46.5	20 *
2-Chloronaphthalene	A	50.00	53.58	1.140238	1.221874		7.2	20
2-Chlorophenol	A	50.00	46.61	1.301605	1.213365		-6.8	20
4-Chlorophenyl phenyl ether	A	50.00	46.03	0.5334126	0.4910676		-7.9	20
Chrysene	A	50.00	49.70	1.122748	1.11604		-0.6	20
Dibenz(a,h)anthracene	A	50.00	48.72	0.7664032	0.7467325		-2.6	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
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:	1F15808	Injection Date:	06/04/11
Lab Sample ID:	1F15808-CCV1	Injection Time:	22:15

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Dibenzofuran	A	50.00	50.56	1.497787	1.514549		1.1	20
Di-n-butylphthalate	A	50.00	44.44	1.375428	1.222558		-11.1	20
2,4-Dichlorophenol	A	50.00	60.43	0.3178164	0.3840832		20.9	20 *
Diethylphthalate	L	50.00	49.66	1.347533	1.205648		-0.7	20
2,4-Dimethylphenol	A	50.00	65.40	0.3417719	0.4470102		30.8	20 *
Dimethyl phthalate	A	50.00	47.41	1.321588	1.253091		-5.2	20
4,6-Dinitro-2-methylphenol	L	50.00	56.67	0.1179191	0.1597259		13.3	20
2,4-Dinitrophenol	L	50.00	59.44	0.1369907	0.1936508	0.05	18.9	20
2,4-Dinitrotoluene	A	50.00	57.33	0.373936	0.4287369		14.7	20
2,6-Dinitrotoluene	A	50.00	49.37	0.3483244	0.343916		-1.3	20
Di-n-octylphthalate	A	50.00	39.69	1.792929	1.423352		-20.6	20 *
1,2-Diphenylhydrazine	A	50.00	38.99	0.8347356	0.6509293		-22.0	20 *
Bis(2-ethylhexyl)phthalate	A	50.00	38.63	1.025088	0.7919976		-22.7	20 *
Fluoranthene	A	50.00	46.66	1.072845	1.001244		-6.7	20
Fluorene	A	50.00	49.40	1.147043	1.133246		-1.2	20
Hexachlorobenzene	A	50.00	50.85	0.2598125	0.264218		1.7	20
Hexachlorobutadiene	A	50.00	63.31	0.1763327	0.223285		26.6	20 *
Hexachlorocyclopentadiene	A	50.00	55.58	0.350099	0.3891572	0.05	11.2	20
Hexachloroethane	A	50.00	52.68	0.5725119	0.6032117		5.4	20
Indeno(1,2,3-cd)pyrene	A	50.00	49.66	0.9228439	0.9165391		-0.7	20
Isophorone	A	50.00	44.39	0.7715062	0.684874		-11.2	20
1-Methylnaphthalene	A	50.00	51.50	0.5079573	0.5231486		3.0	20
2-Methylnaphthalene	A	50.00	52.46	0.4934064	0.5177296		4.9	20
2-Methylphenol	A	50.00	48.72	1.135332	1.106345		-2.6	20
3+4-Methylphenol	A	50.00	43.39	1.186012	1.029332		-13.2	20
4-Nitroaniline	A	50.00	61.12	0.2309184	0.282261		22.2	20 *
3-Nitroaniline	A	50.00	44.00	0.3482787	0.3064924		-12.0	20
2-Nitroaniline	A	50.00	51.40	0.3251388	0.3342302		2.8	20
Nitrobenzene	A	50.00	51.70	0.3585356	0.3707216		3.4	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
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:	1F15808	Injection Date:	06/04/11
Lab Sample ID:	1F15808-CCV1	Injection Time:	22:15

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Nitrophenol	A	50.00	50.08	0.1977617	0.1980735	0.05	0.2	20
2-Nitrophenol	A	50.00	53.12	0.2241114	0.2380899		6.2	20
N-Nitrosodiphenylamine	A	50.00	50.48	0.6599038	0.6662744		1.0	20
N-Nitroso-di-n-propylamine	A	50.00	37.91	0.8341912	0.6324879	0.05	-24.2	20 *
Pentachlorophenol	L	50.00	54.10	0.1614679	0.1914267		8.2	20
Phenanthrene	A	50.00	52.93	1.057442	1.119354		5.9	20
Phenol	A	50.00	44.53	1.614787	1.438209		-10.9	20
Pyrene	A	50.00	52.76	1.298906	1.37063		5.5	20
2,4,6-Trichlorophenol	A	50.00	48.15	0.4009275	0.3860676		-3.7	20
2,4,5-Trichlorophenol	A	50.00	51.23	0.4318641	0.4425269		2.5	20
2-Fluorobiphenyl	A	50.00	48.89	1.2999	1.271156		-2.2	20
2-Fluorophenol	A	100.0	97.41	1.224809	1.193032		-2.6	20
Nitrobenzene-d5	A	50.00	51.64	0.3691845	0.3813006		3.3	20
Phenol-d6	A	100.0	88.57	1.556882	1.37898		-11.4	20
Terphenyl-d14	A	50.00	42.65	0.812066	0.69276		-14.7	20
2,4,6-Tribromophenol	A	100.0	106.5	0.1449031	0.1543354		6.5	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_012
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:	1F15917	Injection Date:	06/06/11
Lab Sample ID:	1F15917-CCV1	Injection Time:	15:41

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
3,3'-Dichlorobenzidine	A	50.00	46.46	0.3840471	0.3568606		-7.1	20
Acenaphthene	A	50.00	52.44	1.082656	1.135553		4.9	20
Acenaphthylene	A	50.00	51.54	1.744325	1.798172		3.1	20
Acetophenone	A	50.00	55.02	1.555244	1.711357		10.0	20
Anthracene	A	50.00	49.57	1.056507	1.047334		-0.9	20
Atrazine	A	50.00	50.75	0.2049826	0.2080584		1.5	20
Benzaldehyde	A	50.00	33.43	1.012551	0.6769901		-33.1	20 *
Benzidine	A	50.00	53.33	0.6314527	0.6735496		6.7	20
Benzo(a)anthracene	A	50.00	50.49	1.138713	1.14983		1.0	20
Benzo(a)pyrene	A	50.00	51.55	1.044021	1.07646		3.1	20
Benzo(b)fluoranthene	A	50.00	64.72	1.099993	1.423786		29.4	20 *
Benzo(g,h,i)perylene	A	50.00	48.09	0.758931	0.7299526		-3.8	20
Benzoic acid	L	50.00	54.19	0.2348828	0.2939401		8.4	20
Benzo(k)fluoranthene	A	50.00	51.24	1.214732	1.244901		2.5	20
1,1-Biphenyl	A	50.00	47.89	1.44264	1.38185		-4.2	20
4-Bromophenyl-phenylether	A	50.00	47.45	0.2302946	0.2185563		-5.1	20
Butylbenzylphthalate	A	50.00	46.14	0.7695074	0.710058		-7.7	20
Caprolactam	A	50.00	49.21	0.1265101	0.1245133		-1.6	20
Carbazole	A	50.00	46.82	0.9188467	0.8604802		-6.4	20
4-Chloro-3-methylphenol	A	50.00	63.55	0.2827335	0.3593359		27.1	20 *
4-Chloroaniline	A	50.00	54.93	0.4407449	0.4842237		9.9	20
Bis(2-chloroethoxy)methane	A	50.00	37.75	0.4591519	0.3466517		-24.5	20 *
Bis(2-chloroethyl)ether	A	50.00	42.57	1.34682	1.146698		-14.9	20
2,2'-Oxybis-1-chloropropane	A	50.00	35.86	1.935852	1.388211		-28.3	20 *
2-Chloronaphthalene	A	50.00	60.24	1.140238	1.373796		20.5	20 *
2-Chlorophenol	A	50.00	58.14	1.301605	1.513419		16.3	20
4-Chlorophenyl phenyl ether	A	50.00	67.42	0.5334126	0.719299		34.8	20 *
Chrysene	A	50.00	45.57	1.122748	1.023224		-8.9	20
Dibenz(a,h)anthracene	A	50.00	46.49	0.7664032	0.7125485		-7.0	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
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:	1F15917	Injection Date:	06/06/11
Lab Sample ID:	1F15917-CCV1	Injection Time:	15:41

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Dibenzofuran	A	50.00	53.01	1.497787	1.588096		6.0	20
Di-n-butylphthalate	A	50.00	44.39	1.375428	1.220991		-11.2	20
2,4-Dichlorophenol	A	50.00	50.54	0.3178164	0.3212255		1.1	20
Diethylphthalate	L	50.00	63.70	1.347533	1.514376		27.4	20 *
2,4-Dimethylphenol	A	50.00	56.53	0.3417719	0.3864363		13.1	20
Dimethyl phthalate	A	50.00	53.42	1.321588	1.411903		6.8	20
4,6-Dinitro-2-methylphenol	L	50.00	62.28	0.1179191	0.1769034		24.6	20 *
2,4-Dinitrophenol	L	50.00	70.04	0.1369907	0.2350832	0.05	40.1	20 *
2,4-Dinitrotoluene	A	50.00	58.83	0.373936	0.4399559		17.7	20
2,6-Dinitrotoluene	A	50.00	52.95	0.3483244	0.368854		5.9	20
Di-n-octylphthalate	A	50.00	70.76	1.792929	2.537446		41.5	20 *
1,2-Diphenylhydrazine	A	50.00	42.49	0.8347356	0.7092763		-15.0	20
Bis(2-ethylhexyl)phthalate	A	50.00	47.67	1.025088	0.9773395		-4.7	20
Fluoranthene	A	50.00	54.16	1.072845	1.162107		8.3	20
Fluorene	A	50.00	56.59	1.147043	1.298137		13.2	20
Hexachlorobenzene	A	50.00	50.21	0.2598125	0.2608833		0.4	20
Hexachlorobutadiene	A	50.00	65.36	0.1763327	0.2305126		30.7	20 *
Hexachlorocyclopentadiene	A	50.00	67.50	0.350099	0.4726222	0.05	35.0	20 *
Hexachloroethane	A	50.00	66.13	0.5725119	0.7571535		32.3	20 *
Indeno(1,2,3-cd)pyrene	A	50.00	46.13	0.9228439	0.8514717		-7.7	20
Isophorone	A	50.00	41.27	0.7715062	0.6367836		-17.5	20
1-Methylnaphthalene	A	50.00	53.06	0.5079573	0.5390833		6.1	20
2-Methylnaphthalene	A	50.00	52.53	0.4934064	0.5183477		5.1	20
2-Methylphenol	A	50.00	56.73	1.135332	1.288257		13.5	20
3+4-Methylphenol	A	50.00	56.81	1.186012	1.34745		13.6	20
4-Nitroaniline	A	50.00	69.81	0.2309184	0.3224149		39.6	20 *
3-Nitroaniline	A	50.00	49.98	0.3482787	0.3481177		-0.05	20
2-Nitroaniline	A	50.00	71.40	0.3251388	0.4643213		42.8	20 *
Nitrobenzene	A	50.00	51.48	0.3585356	0.369113		3.0	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
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:	1F15917	Injection Date:	06/06/11
Lab Sample ID:	1F15917-CCV1	Injection Time:	15:41

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Nitrophenol	A	50.00	74.33	0.1977617	0.2940103	0.05	48.7	20 *
2-Nitrophenol	A	50.00	49.20	0.2241114	0.2205217		-1.6	20
N-Nitrosodiphenylamine	A	50.00	45.73	0.6599038	0.6035624		-8.5	20
N-Nitroso-di-n-propylamine	A	50.00	53.40	0.8341912	0.8909947	0.05	6.8	20
Pentachlorophenol	L	50.00	54.20	0.1614679	0.1917863		8.4	20
Phenanthrene	A	50.00	47.72	1.057442	1.009197		-4.6	20
Phenol	A	50.00	48.95	1.614787	1.580772		-2.1	20
Pyrene	A	50.00	58.28	1.298906	1.51401		16.6	20
2,4,6-Trichlorophenol	A	50.00	61.95	0.4009275	0.4967613		23.9	20 *
2,4,5-Trichlorophenol	A	50.00	64.02	0.4318641	0.5529818		28.0	20 *
2-Fluorobiphenyl	A	50.00	52.71	1.2999	1.370285		5.4	20
2-Fluorophenol	A	100.0	111.4	1.224809	1.364247		11.4	20
Nitrobenzene-d5	A	50.00	48.41	0.3691845	0.3574736		-3.2	20
Phenol-d6	A	100.0	91.89	1.556882	1.430568		-8.1	20
Terphenyl-d14	A	50.00	52.42	0.812066	0.8513039		4.8	20
2,4,6-Tribromophenol	A	100.0	113.4	0.1449031	0.1643587		13.4	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_012

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

Matrix: Laboratory ID: 1E12934-BLK1 File ID: E12934B1.D

Sampled: Prepared: Analyzed: 05/17/11 19:11

Solids: Preparation: EXT_3510 Dilution:

Batch: 1E12934 Sequence: 1E13813 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	Y, 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	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	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	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

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Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Matrix: Laboratory ID: 1E12934-BLK1 File ID: E12934B1.D

Sampled: Prepared: Analyzed: 05/17/11 19:11

Solids: Preparation: EXT_3510 Dilution:

Batch: 1E12934 Sequence: 1E13813 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	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
65794-96-9	3+4-Methylphenol		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	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	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	34.33	68.7	50 - 110	
2-Fluorophenol	100.0	42.40	42.4	20 - 110	
Nitrobenzene-d5	50.00	39.87	79.7	40 - 110	
Phenol-d6	100.0	23.32	23.3	10 - 110	
Terphenyl-d14	50.00	54.79	110	50 - 135	
2,4,6-Tribromophenol	100.0	87.94	87.9	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_012

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

Matrix: | Laboratory ID: 1E12934-BS1 | File ID: E12934L1.D

Sampled: | Prepared: | Analyzed: 05/17/11 20:37

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 1E12934 | Sequence: 1E13813 | Calibration: 1032006 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
91-94-1	3,3'-Dichlorobenzidine	39.64	1.25	2.50	5.00	
83-32-9	Acenaphthene	42.61	1.25	2.50	5.00	
208-96-8	Acenaphthylene	39.21	1.25	2.50	5.00	
98-86-2	Acetophenone	37.91	1.25	2.50	5.00	Y
120-12-7	Anthracene	42.90	1.25	2.50	5.00	
1912-24-9	Atrazine	50.11	1.25	2.50	5.00	
100-52-7	Benzaldehyde	37.22	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene	45.71	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	44.56	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	53.66	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	50.86	1.25	2.50	5.00	
65-85-0	Benzoic acid	13.75	12.5	25.0	50.0	J
207-08-9	Benzo(k)fluoranthene	52.04	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	43.16	1.25	2.50	5.00	Y
101-55-3	4-Bromophenyl-phenylether	49.87	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	50.34	1.25	2.50	5.00	
105-60-2	Caprolactam	9.976	1.25	2.50	5.00	
86-74-8	Carbazole	48.76	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	45.86	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	35.05	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	48.90	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	42.70	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	37.33	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	43.01	1.25	2.50	5.00	X
95-57-8	2-Chlorophenol	36.57	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	49.85	1.25	2.50	5.00	
218-01-9	Chrysene	49.90	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	47.92	1.25	2.50	5.00	
132-64-9	Dibenzofuran	46.71	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	51.26	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	43.65	1.25	2.50	5.00	
84-66-2	Diethylphthalate	53.07	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	45.79	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	51.17	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	51.28	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	45.78	12.5	25.0	50.0	J
121-14-2	2,4-Dinitrotoluene	51.86	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	50.37	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	60.55	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_012

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

Matrix: | Laboratory ID: 1E12934-BS1 | File ID: E12934L1.D

Sampled: | Prepared: | Analyzed: 05/17/11 20:37

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 1E12934 | Sequence: 1E13813 | Calibration: 1032006 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	41.00	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	50.03	1.25	2.50	5.00	
206-44-0	Fluoranthene	44.34	1.25	2.50	5.00	
86-73-7	Fluorene	47.44	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	47.71	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	32.71	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	14.17	1.25	2.50	5.00	
67-72-1	Hexachloroethane	29.28	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	46.16	1.25	2.50	5.00	
78-59-1	Isophorone	33.17	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	41.79	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	42.92	1.25	2.50	5.00	
95-48-7	2-Methylphenol	31.86	1.25	2.50	5.00	
65794-96-9	3+4-Methylphenol	26.97	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	54.41	5.00	10.0	20.0	X
99-09-2	3-Nitroaniline	40.20	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	45.94	5.00	10.0	20.0	
98-95-3	Nitrobenzene	46.91	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	14.75	5.00	10.0	20.0	J
88-75-5	2-Nitrophenol	45.94	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	27.97	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	36.48	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	54.83	5.00	10.0	20.0	
85-01-8	Phenanthrene	42.25	1.25	2.50	5.00	
108-95-2	Phenol	15.18	1.25	2.50	5.00	
129-00-0	Pyrene	46.47	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	42.84	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	45.45	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	41.77	83.5	50 - 110	
2-Fluorophenol	100.0	49.21	49.2	20 - 110	
Nitrobenzene-d5	50.00	47.95	95.9	40 - 110	
Phenol-d6	100.0	28.01	28.0	10 - 110	
Terphenyl-d14	50.00	53.24	106	50 - 135	
2,4,6-Tribromophenol	100.0	101.3	101	40 - 125	

ANALYSIS DATA SHEET

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Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Matrix: Laboratory ID: 1E17015-BLK1 File ID: E17015B1.D

Sampled: Prepared: Analyzed: 05/19/11 16:31

Solids: Preparation: EXT_3510 Dilution:

Batch: 1E17015 Sequence: 1E14006 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
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	X, 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	Y, 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	Q, U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	Q, 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	Q, U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	Q, U
91-94-1	3,3'-Dichlorobenzidine		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	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	U

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Matrix: Laboratory ID: 1E17015-BLK1 File ID: E17015B1.D

Sampled: Prepared: Analyzed: 05/19/11 16:31

Solids: Preparation: EXT_3510 Dilution:

Batch: 1E17015 Sequence: 1E14006 Calibration: 1122001 Instrument: MS-BNA3

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	Q, 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	Q, 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	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
65794-96-9	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	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	Y, 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	40.55	81.1	50 - 110	
2-Fluorophenol	100.0	33.59	33.6	20 - 110	
Nitrobenzene-d5	50.00	30.97	61.9	40 - 110	
Phenol-d6	100.0	17.99	18.0	10 - 110	
Terphenyl-d14	50.00	53.87	108	50 - 135	
2,4,6-Tribromophenol	100.0	99.56	99.6	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Matrix: Laboratory ID: 1E17015-BS1 File ID: E17015L1.D

Sampled: Prepared: Analyzed: 05/19/11 17:04

Solids: Preparation: EXT_3510 Dilution:

Batch: 1E17015 Sequence: 1E14006 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	51.43	1.25	2.50	5.00	
208-96-8	Acenaphthylene	44.02	1.25	2.50	5.00	
98-86-2	Acetophenone	42.28	1.25	2.50	5.00	
120-12-7	Anthracene	50.40	1.25	2.50	5.00	
1912-24-9	Atrazine	50.42	1.25	2.50	5.00	
100-52-7	Benzaldehyde	41.22	1.25	2.50	5.00	Y
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene	54.78	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	48.57	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	58.12	1.25	2.50	5.00	X
191-24-2	Benzo(g,h,i)perylene	51.79	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	25.0	50.0	Y, U
207-08-9	Benzo(k)fluoranthene	55.33	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	50.85	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	58.10	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	63.48	1.25	2.50	5.00	
105-60-2	Caprolactam	7.209	1.25	2.50	5.00	
86-74-8	Carbazole	52.24	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	40.98	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	35.88	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	47.98	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	43.80	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	41.77	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	50.73	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	38.35	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	54.89	1.25	2.50	5.00	
218-01-9	Chrysene	54.35	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	55.41	1.25	2.50	5.00	
132-64-9	Dibenzofuran	53.51	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	58.06	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	52.55	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	45.97	1.25	2.50	5.00	
84-66-2	Diethylphthalate	58.79	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	40.15	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	56.80	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	58.00	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	57.02	12.5	25.0	50.0	X
121-14-2	2,4-Dinitrotoluene	57.04	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	53.96	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	64.19	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_012

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

Matrix: | Laboratory ID: 1E17015-BS1 | File ID: E17015L1.D

Sampled: | Prepared: | Analyzed: 05/19/11 17:04

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 1E17015 | Sequence: 1E14006 | Calibration: 1122001 | Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	42.97	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	63.63	1.25	2.50	5.00	
206-44-0	Fluoranthene	50.74	1.25	2.50	5.00	
86-73-7	Fluorene	52.52	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	55.32	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	39.68	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	15.90	1.25	2.50	5.00	
67-72-1	Hexachloroethane	34.05	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	52.67	1.25	2.50	5.00	
78-59-1	Isophorone	33.60	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	44.70	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	47.27	1.25	2.50	5.00	
95-48-7	2-Methylphenol	31.51	1.25	2.50	5.00	
65794-96-9	3+4-Methylphenol	28.91	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	44.09	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	40.20	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	46.72	5.00	10.0	20.0	
98-95-3	Nitrobenzene	41.39	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	12.68	5.00	10.0	20.0	Y, J
88-75-5	2-Nitrophenol	47.81	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	28.86	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	38.28	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	53.81	5.00	10.0	20.0	
85-01-8	Phenanthrene	53.30	1.25	2.50	5.00	
108-95-2	Phenol	13.46	1.25	2.50	5.00	
129-00-0	Pyrene	56.94	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	50.55	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	50.16	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	53.10	106	50 - 110	
2-Fluorophenol	100.0	45.75	45.8	20 - 110	
Nitrobenzene-d5	50.00	43.11	86.2	40 - 110	
Phenol-d6	100.0	27.01	27.0	10 - 110	
Terphenyl-d14	50.00	58.24	116	50 - 135	
2,4,6-Tribromophenol	100.0	117.2	117	40 - 125	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Matrix: Laboratory ID: 1E17015-BSD1 File ID: E17015L2.D

Sampled: Prepared: Analyzed: 05/19/11 17:37

Solids: Preparation: EXT_3510 Dilution:

Batch: 1E17015 Sequence: 1E14006 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	51.30	1.25	2.50	5.00	
208-96-8	Acenaphthylene	44.04	1.25	2.50	5.00	
98-86-2	Acetophenone	40.59	1.25	2.50	5.00	
120-12-7	Anthracene	49.27	1.25	2.50	5.00	
1912-24-9	Atrazine	47.27	1.25	2.50	5.00	
100-52-7	Benzaldehyde	40.62	1.25	2.50	5.00	Y
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene	53.63	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	48.40	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	56.91	1.25	2.50	5.00	X
191-24-2	Benzo(g,h,i)perylene	57.01	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	25.0	50.0	Y, U
207-08-9	Benzo(k)fluoranthene	56.66	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	50.26	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	56.85	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	62.35	1.25	2.50	5.00	
105-60-2	Caprolactam	6.433	1.25	2.50	5.00	
86-74-8	Carbazole	50.79	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	36.86	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	32.02	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	45.95	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	42.45	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	41.43	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	51.13	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	34.87	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	54.33	1.25	2.50	5.00	
218-01-9	Chrysene	53.03	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	58.20	1.25	2.50	5.00	
132-64-9	Dibenzofuran	54.12	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	57.46	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	51.71	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	39.73	1.25	2.50	5.00	
84-66-2	Diethylphthalate	59.28	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	34.72	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	54.67	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	51.56	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	49.57	12.5	25.0	50.0	X, J
121-14-2	2,4-Dinitrotoluene	56.25	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	53.56	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	63.98	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Matrix: Laboratory ID: 1E17015-BSD1 File ID: E17015L2.D

Sampled: Prepared: Analyzed: 05/19/11 17:37

Solids: Preparation: EXT_3510 Dilution:

Batch: 1E17015 Sequence: 1E14006 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	42.11	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	61.24	1.25	2.50	5.00	
206-44-0	Fluoranthene	51.45	1.25	2.50	5.00	
86-73-7	Fluorene	51.87	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	53.69	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	37.85	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	15.32	1.25	2.50	5.00	
67-72-1	Hexachloroethane	32.33	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	53.66	1.25	2.50	5.00	
78-59-1	Isophorone	32.26	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	42.87	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	47.31	1.25	2.50	5.00	
95-48-7	2-Methylphenol	28.43	1.25	2.50	5.00	
65794-96-9	3+4-Methylphenol	25.72	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	41.93	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	37.61	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	45.20	5.00	10.0	20.0	
98-95-3	Nitrobenzene	39.82	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	11.85	5.00	10.0	20.0	Y, J
88-75-5	2-Nitrophenol	42.75	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	27.88	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	37.49	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	49.77	5.00	10.0	20.0	
85-01-8	Phenanthrene	52.74	1.25	2.50	5.00	
108-95-2	Phenol	12.96	1.25	2.50	5.00	
129-00-0	Pyrene	53.52	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	46.25	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	45.38	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	53.34	107	50 - 110	
2-Fluorophenol	100.0	44.32	44.3	20 - 110	
Nitrobenzene-d5	50.00	42.24	84.5	40 - 110	
Phenol-d6	100.0	27.33	27.3	10 - 110	
Terphenyl-d14	50.00	51.55	103	50 - 135	
2,4,6-Tribromophenol	100.0	108.1	108	40 - 125	

HOLDING TIME SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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
GW0060	05/09/11 12:07	05/10/11 09:00	05/13/11 11:45	3.94	7.00	05/23/11 23:01	10.47	40.00	
GW0085	05/10/11 13:31	05/11/11 09:00	05/13/11 11:45	2.88	7.00	05/23/11 23:30	10.49	40.00	
GW0086	05/10/11 13:31	05/11/11 09:00	05/13/11 11:45	2.88	7.00	05/23/11 23:59	10.51	40.00	
GW0087	05/11/11 13:58	05/12/11 09:00	05/13/11 11:45	1.87	7.00	05/24/11 02:22	10.61	40.00	
GW0088	05/11/11 10:03	05/12/11 09:00	05/13/11 11:45	2.03	7.00	05/24/11 02:51	10.63	40.00	
GW0099	05/12/11 13:42	05/13/11 09:00	05/18/11 12:15	5.90	7.00	05/19/11 19:48	1.31	40.00	
GW0049	05/13/11 10:05	05/14/11 10:30	05/18/11 12:15	5.05	7.00	06/05/11 07:49	17.82	40.00	
GW0055	05/13/11 13:33	05/14/11 10:30	05/18/11 12:15	4.90	7.00	06/05/11 08:17	17.83	40.00	
GW0055	05/13/11 13:33	05/14/11 10:30	05/18/11 12:15	4.90	7.00	06/06/11 22:06	19.41	40.00	

SW8015B (GRO)
Forms

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E12909	Instrument:	GL-GCVOA2
Calibration:	1129002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1E12909-CAL1	003F0301.D	05/06/11 13:31
Cal Standard	1E12909-CAL2	004F0401.D	05/06/11 14:07
Cal Standard	1E12909-CAL3	005F0501.D	05/06/11 14:43
Cal Standard	1E12909-CAL4	006F0601.D	05/06/11 15:19
Cal Standard	1E12909-CAL5	007F0701.D	05/06/11 15:55
Cal Standard	1E12909-CAL6	008F0801.D	05/06/11 16:31
Initial Cal Check	1E12909-ICV1	009F0901.D	05/06/11 17:07

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E13211	Instrument:	GL-GCVOA2
Calibration:	1129002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1E13211-CCV1	003F0301.D	05/11/11 18:23
Blank	1E11009-BLK1	011F1101.D	05/11/11 23:09
LCS	1E11009-BS1	012F1201.D	05/11/11 23:45
LCS Dup	1E11009-BSD1	013F1301.D	05/12/11 00:22
GW0060	1105082-01	015F1501.D	05/12/11 01:35
Calibration Check	1E13211-CCV2	016F1601.D	05/12/11 02:12

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E14021	Instrument:	GL-GCVOA2
Calibration:	1129002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1E14021-CCV1	003F0301.D	05/18/11 17:15
Blank	1E18021-BLK1	004F0401.D	05/18/11 17:51
LCS	1E18021-BS1	005F0501.D	05/18/11 18:26
LCS Dup	1E18021-BSD1	006F0601.D	05/18/11 19:02
GW0085	1105093-01	007F0701.D	05/18/11 19:38
GW0086	1105093-03	008F0801.D	05/18/11 20:14
GW0087	1105113-01	009F0901.D	05/18/11 20:50
GW0088	1105113-03	010F1001.D	05/18/11 21:26
GW0099	1105122-01	011F1101.D	05/18/11 22:02
GW0049	1105137-01	013F1301.D	05/18/11 23:13
GW0055	1105137-03	015F1501.D	05/19/11 00:24
Calibration Check	1E14021-CCV2	021F2101.D	05/19/11 03:58

ANALYSIS DATA SHEET

GW0060

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105082-01	File ID:	015F1501.D
Sampled:	05/09/11 12:07	Prepared:	05/11/11 08:46	Analyzed:	05/12/11 01:35
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1E11009 Sequence: 1E13211 Calibration: 1129002 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	0.04381	87.6	50 - 150	

ANALYSIS DATA SHEET

GW0085

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105093-01	File ID:	007F0701.D
Sampled:	05/10/11 13:31	Prepared:	05/18/11 15:38	Analyzed:	05/18/11 19:38
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1E18021 Sequence: 1E14021 Calibration: 1129002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.0678	0.0500	0.100	0.150	J

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04761	95.2	50 - 150	

ANALYSIS DATA SHEET

GW0086

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105093-03	File ID:	008F0801.D
Sampled:	05/10/11 13:31	Prepared:	05/18/11 15:38	Analyzed:	05/18/11 20:14
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1E18021 Sequence: 1E14021 Calibration: 1129002 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	0.04504	90.1	50 - 150	

ANALYSIS DATA SHEET

GW0087

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105113-01	File ID:	009F0901.D
Sampled:	05/11/11 13:58	Prepared:	05/18/11 15:38	Analyzed:	05/18/11 20:50
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1E18021 Sequence: 1E14021 Calibration: 1129002 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	0.04554	91.1	50 - 150	

ANALYSIS DATA SHEET

GW0088

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105113-03	File ID:	010F1001.D
Sampled:	05/11/11 10:03	Prepared:	05/18/11 15:38	Analyzed:	05/18/11 21:26
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1E18021 Sequence: 1E14021 Calibration: 1129002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	1.10	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04937	98.7	50 - 150	

ANALYSIS DATA SHEET

GW0099

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1105122-01	File ID:	011F1101.D
Sampled:	05/12/11 13:42	Prepared:	05/18/11 15:38	Analyzed:	05/18/11 22:02
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1E18021 Sequence: 1E14021 Calibration: 1129002 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	0.04499	90.0	50 - 150	

ANALYSIS DATA SHEET

GW0049

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1105137-01	File ID:	013F1301.D
Sampled:	05/13/11 10:05	Prepared:	05/18/11 15:38	Analyzed:	05/18/11 23:13
Solids:		Preparation:	8015GRO	Dilution:	10

Batch: 1E18021 Sequence: 1E14021 Calibration: 1129002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	21.6	0.500	1.00	1.50	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05348	107	50 - 150	

ANALYSIS DATA SHEET

GW0055

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1105137-03	File ID:	015F1501.D
Sampled:	05/13/11 13:33	Prepared:	05/18/11 15:38	Analyzed:	05/19/11 00:24
Solids:		Preparation:	8015GRO	Dilution:	10

Batch: 1E18021 Sequence: 1E14021 Calibration: 1129002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	40.7	0.500	1.00	1.50	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05457	109	50 - 150	

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E11009	Laboratory ID:	1E11009-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	0.4924	98.5	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	0.5255	105	6.50	50	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E18021	Laboratory ID:	1E18021-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	0.5904	118	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	0.5982	120	1.33	50	50 - 150

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Batch: 1E11009 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0060	1105082-01	05/11/11 08:46	5.00	5.00
Blank	1E11009-BLK1	05/11/11 08:46	5.00	5.00
LCS	1E11009-BS1	05/11/11 08:46	5.00	5.00
LCS Dup	1E11009-BSD1	05/11/11 08:46	5.00	5.00

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Batch: 1E18021 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0085	1105093-01	05/18/11 15:38	5.00	5.00
GW0086	1105093-03	05/18/11 15:38	5.00	5.00
GW0087	1105113-01	05/18/11 15:38	5.00	5.00
GW0088	1105113-03	05/18/11 15:38	5.00	5.00
GW0099	1105122-01	05/18/11 15:38	5.00	5.00
GW0049	1105137-01	05/18/11 15:38	5.00	5.00
GW0055	1105137-03	05/18/11 15:38	5.00	5.00
Blank	1E18021-BLK1	05/18/11 15:38	5.00	5.00
LCS	1E18021-BS1	05/18/11 15:38	5.00	5.00
LCS Dup	1E18021-BSD1	05/18/11 15:38	5.00	5.00

INITIAL CALIBRATION STANDARDS

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E12909	Instrument:	GL-GCVOA2
Calibration:	1129002		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
11E0203	GRO Cal 0.1ppm	1E12909-CAL1	003F0301.D	05/06/11 13:31
11E0204	GRO Cal 0.2ppm	1E12909-CAL2	004F0401.D	05/06/11 14:07
11E0205	GRO Cal 0.5ppm	1E12909-CAL3	005F0501.D	05/06/11 14:43
11E0206	GRO Cal 1.0ppm	1E12909-CAL4	006F0601.D	05/06/11 15:19
11E0207	GRO Cal 2.0ppm	1E12909-CAL5	007F0701.D	05/06/11 15:55
11E0208	GRO Cal 5.0ppm	1E12909-CAL6	008F0801.D	05/06/11 16:31

INITIAL CALIBRATION DATA

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1129002	Instrument:	GL-GCVOA2	
Matrix:	Water	Calibration Dates:	5/6/11_13:31	5/6/11_16:31

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	1934846	2	2010328	1	2211392	0.5	2202664	0.2	3018605	0.1	3836990
Bromofluorobenzene	0.5	1133264	0.2	1271385	0.1	1371040	0.05	1400780	0.02	1524700	0.01	1731400

INITIAL CALIBRATION DATA (Continued)

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1129002	Instrument:	GL-GCVOA2	
Matrix:	Water	Calibration Dates:	5/6/11 13:31	5/6/11 16:31

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Gasoline Range Organics (C6-C10)	2535804	29.40336	7.233	2.067693E-02	0.9997615		0.995	
Bromofluorobenzene	1405428	14.71084	19.5535	4.036379E-02			20	

INITIAL CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	1129002
Lab File ID:	009F0901.D	Calibration Date:	05/06/11 13:01
Sequence:	1E12909	Injection Date:	05/06/11
Lab Sample ID:	1E12909-ICV1	Injection Time:	17:07

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.5538	2535804	2539888		10.8	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 GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	1129002
Lab File ID:	003F0301.D	Calibration Date:	05/06/11 13:01
Sequence:	1E13211	Injection Date:	05/11/11
Lab Sample ID:	1E13211-CCV1	Injection Time:	18:23

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4998	2535804	2335424		-0.04	20
Bromofluorobenzene	A	0.05000	0.04642	1405428	1304880		-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

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	1129002
Lab File ID:	016F1601.D	Calibration Date:	05/06/11 13:01
Sequence:	1E13211	Injection Date:	05/12/11
Lab Sample ID:	1E13211-CCV2	Injection Time:	02:12

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4280	2535804	2063348		-14.4	20
Bromofluorobenzene	A	0.05000	0.04517	1405428	1269740		-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

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	1129002
Lab File ID:	003F0301.D	Calibration Date:	05/06/11 13:01
Sequence:	1E14021	Injection Date:	05/18/11
Lab Sample ID:	1E14021-CCV1	Injection Time:	17:15

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4862	2535804	2283878		-2.8	20
Bromofluorobenzene	A	0.05000	0.04806	1405428	1350880		-3.9	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	1129002
Lab File ID:	021F2101.D	Calibration Date:	05/06/11 13:01
Sequence:	1E14021	Injection Date:	05/19/11
Lab Sample ID:	1E14021-CCV2	Injection Time:	03:58

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.5760	2535804	2623942		15.2	20
Bromofluorobenzene	A	0.05000	0.04879	1405428	1371320		-2.4	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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E13211	Instrument:	GL-GCVOA2
		Calibration:	1129002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1E13211-CCV1) ug/mL				Lab File ID: 003F0301.D		Analyzed: 05/11/11 18:23		
Bromofluorobenzene	0.05000	92.8	80 - 120	19.553	19.553	0.0000	+/-0.210	
Blank (1E11009-BLK1) mg/L				Lab File ID: 011F1101.D		Analyzed: 05/11/11 23:09		
Bromofluorobenzene	0.05000	87.4	50 - 150	19.556	19.553	0.0030	+/-0.210	
LCS (1E11009-BS1) mg/L				Lab File ID: 012F1201.D		Analyzed: 05/11/11 23:45		
Bromofluorobenzene	0.05000	86.0	50 - 150	19.553	19.553	0.0000	+/-0.210	
LCS Dup (1E11009-BSD1) mg/L				Lab File ID: 013F1301.D		Analyzed: 05/12/11 00:22		
Bromofluorobenzene	0.05000	90.3	50 - 150	19.553	19.553	0.0000	+/-0.210	
GW0060 (1105082-01) mg/L				Lab File ID: 015F1501.D		Analyzed: 05/12/11 01:35		
Bromofluorobenzene	0.05000	87.6	50 - 150	19.553	19.553	0.0000	+/-0.210	
Calibration Check (1E13211-CCV2) ug/mL				Lab File ID: 016F1601.D		Analyzed: 05/12/11 02:12		
Bromofluorobenzene	0.05000	90.3	80 - 120	19.553	19.553	0.0000	+/-0.210	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E14021	Instrument:	GL-GCVOA2
		Calibration:	1129002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1E14021-CCV1) ug/mL				Lab File ID: 003F0301.D		Analyzed: 05/18/11 17:15		
Bromofluorobenzene	0.05000	96.1	80 - 120	19.556	19.556	0.0000	+/-0.210	
Blank (1E18021-BLK1) mg/L				Lab File ID: 004F0401.D		Analyzed: 05/18/11 17:51		
Bromofluorobenzene	0.05000	93.6	50 - 150	19.553	19.556	-0.0030	+/-0.210	
LCS (1E18021-BS1) mg/L				Lab File ID: 005F0501.D		Analyzed: 05/18/11 18:26		
Bromofluorobenzene	0.05000	99.9	50 - 150	19.556	19.556	0.0000	+/-0.210	
LCS Dup (1E18021-BSD1) mg/L				Lab File ID: 006F0601.D		Analyzed: 05/18/11 19:02		
Bromofluorobenzene	0.05000	99.1	50 - 150	19.556	19.556	0.0000	+/-0.210	
GW0085 (1105093-01) mg/L				Lab File ID: 007F0701.D		Analyzed: 05/18/11 19:38		
Bromofluorobenzene	0.05000	95.2	50 - 150	19.556	19.556	0.0000	+/-0.210	
GW0086 (1105093-03) mg/L				Lab File ID: 008F0801.D		Analyzed: 05/18/11 20:14		
Bromofluorobenzene	0.05000	90.1	50 - 150	19.553	19.556	-0.0030	+/-0.210	
GW0087 (1105113-01) mg/L				Lab File ID: 009F0901.D		Analyzed: 05/18/11 20:50		
Bromofluorobenzene	0.05000	91.1	50 - 150	19.553	19.556	-0.0030	+/-0.210	
GW0088 (1105113-03) mg/L				Lab File ID: 010F1001.D		Analyzed: 05/18/11 21:26		
Bromofluorobenzene	0.05000	98.7	50 - 150	19.556	19.556	0.0000	+/-0.210	
GW0099 (1105122-01) mg/L				Lab File ID: 011F1101.D		Analyzed: 05/18/11 22:02		
Bromofluorobenzene	0.05000	90.0	50 - 150	19.56	19.556	0.0040	+/-0.210	
GW0049 (1105137-01) mg/L				Lab File ID: 013F1301.D		Analyzed: 05/18/11 23:13		
Bromofluorobenzene	0.05000	107	50 - 150	19.563	19.556	0.0070	+/-0.210	
GW0055 (1105137-03) mg/L				Lab File ID: 015F1501.D		Analyzed: 05/19/11 00:24		
Bromofluorobenzene	0.05000	109	50 - 150	19.563	19.556	0.0070	+/-0.210	
Calibration Check (1E14021-CCV2) ug/mL				Lab File ID: 021F2101.D		Analyzed: 05/19/11 03:58		
Bromofluorobenzene	0.05000	97.6	80 - 120	19.566	19.556	0.0100	+/-0.210	

HOLDING TIME SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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
GW0060	05/09/11 12:07	05/10/11 09:00	05/11/11 08:46	N/A	14.00	05/12/11 01:35	2.52	14.00	
GW0085	05/10/11 13:31	05/11/11 09:00	05/18/11 15:38	N/A	14.00	05/18/11 19:38	8.21	14.00	
GW0086	05/10/11 13:31	05/11/11 09:00	05/18/11 15:38	N/A	14.00	05/18/11 20:14	8.24	14.00	
GW0087	05/11/11 13:58	05/12/11 09:00	05/18/11 15:38	N/A	14.00	05/18/11 20:50	7.24	14.00	
GW0088	05/11/11 10:03	05/12/11 09:00	05/18/11 15:38	N/A	14.00	05/18/11 21:26	7.43	14.00	
GW0099	05/12/11 13:42	05/13/11 09:00	05/18/11 15:38	N/A	14.00	05/18/11 22:02	6.31	14.00	
GW0049	05/13/11 10:05	05/14/11 10:30	05/18/11 15:38	N/A	14.00	05/18/11 23:13	5.51	14.00	
GW0055	05/13/11 13:33	05/14/11 10:30	05/18/11 15:38	N/A	14.00	05/19/11 00:24	5.41	14.00	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	1E11009-BLK1	File ID:	011F1101.D
Sampled:		Prepared:		Analyzed:	05/11/11 23:09
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 1E11009 Sequence: 1E13211 Calibration: 1129002 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	0.04369	87.4	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1E11009-BS1	File ID:	012F1201.D
Sampled:		Prepared:		Analyzed:	05/11/11 23:45
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	1E11009	Sequence:	1E13211	Calibration:	1129002	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4924	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04298	86.0	50 - 150	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1E11009-BSD1	File ID:	013F1301.D
Sampled:		Prepared:		Analyzed:	05/12/11 00:22
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	1E11009	Sequence:	1E13211	Calibration:	1129002	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.5255	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04514	90.3	50 - 150	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	1E18021-BLK1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	05/18/11 17:51
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 1E18021 Sequence: 1E14021 Calibration: 1129002 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	0.04681	93.6	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1E18021-BS1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	05/18/11 18:26
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	1E18021	Sequence:	1E14021	Calibration:	1129002	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.5904	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04995	99.9	50 - 150	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1E18021-BSD1	File ID:	006F0601.D
Sampled:		Prepared:		Analyzed:	05/18/11 19:02
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	1E18021	Sequence:	1E14021	Calibration:	1129002	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.5982	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04956	99.1	50 - 150	

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_012
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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E13009	Instrument:	GL-GCFID2
Calibration:	1130003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1E13009-CAL6	003F0301.D	05/09/11 19:09
Cal Standard	1E13009-CAL5	004F0401.D	05/09/11 19:42
Cal Standard	1E13009-CAL4	005F0501.D	05/09/11 20:16
Cal Standard	1E13009-CAL3	006F0601.D	05/09/11 20:50
Cal Standard	1E13009-CAL2	007F0701.D	05/09/11 21:24
Cal Standard	1E13009-CAL1	008F0801.D	05/09/11 21:57
Initial Cal Check	1E13009-ICV1	009F0901.D	05/09/11 22:31

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E13501	Instrument:	GL-GCFID2
Calibration:	1130003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1E13501-CCV1	003F0301.D	05/13/11 13:16
Calibration Check	1E13501-CCV2	021F2101.D	05/13/11 23:25
Blank	1E12931-BLK1	023F2301.D	05/14/11 00:32
LCS	1E12931-BS1	024F2401.D	05/14/11 01:06
LCS Dup	1E12931-BSD1	025F2501.D	05/14/11 01:39
GW0060	1105082-01	026F2601.D	05/14/11 02:13
GW0085	1105093-01	027F2701.D	05/14/11 02:47
GW0086	1105093-03	028F2801.D	05/14/11 03:20
GW0087	1105113-01	029F2901.D	05/14/11 03:54
GW0088	1105113-03	030F3001.D	05/14/11 04:27
Calibration Check	1E13501-CCV3	031F3101.D	05/14/11 05:01

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E13903	Instrument:	GL-GCFID2
Calibration:	1130003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1E13903-CCV1	003F0301.D	05/17/11 11:51
Blank	1E16010-BLK1	004F0401.D	05/17/11 12:25
LCS	1E16010-BS1	005F0501.D	05/17/11 12:58
LCS Dup	1E16010-BSD1	006F0601.D	05/17/11 13:32
GW0099	1105122-01	007F0701.D	05/17/11 14:06
GW0049	1105137-01	011F1101.D	05/17/11 16:22
GW0055	1105137-03	012F1201.D	05/17/11 16:55
Calibration Check	1E13903-CCV2	013F1301.D	05/17/11 17:29

ANALYSIS DATA SHEET

GW0060

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105082-01	File ID:	026F2601.D
Sampled:	05/09/11 12:07	Prepared:	05/12/11 16:53	Analyzed:	05/14/11 02:13
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1E12931 Sequence: 1E13501 Calibration: 1130003 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	0.01754	91.2	30 - 140	

ANALYSIS DATA SHEET

GW0085

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105093-01	File ID:	027F2701.D
Sampled:	05/10/11 13:31	Prepared:	05/12/11 16:53	Analyzed:	05/14/11 02:47
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1E12931 Sequence: 1E13501 Calibration: 1130003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.104	0.104	0.104	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02083	0.01662	79.8	30 - 140	

ANALYSIS DATA SHEET

GW0086

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105093-03	File ID:	028F2801.D
Sampled:	05/10/11 13:31	Prepared:	05/12/11 16:53	Analyzed:	05/14/11 03:20
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1E12931 Sequence: 1E13501 Calibration: 1130003 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	0.01426	74.2	30 - 140	

ANALYSIS DATA SHEET

GW0087

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105113-01	File ID:	029F2901.D
Sampled:	05/11/11 13:58	Prepared:	05/12/11 16:53	Analyzed:	05/14/11 03:54
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1E12931 Sequence: 1E13501 Calibration: 1130003 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	0.01475	76.7	30 - 140	

ANALYSIS DATA SHEET

GW0088

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105113-03	File ID:	030F3001.D
Sampled:	05/11/11 10:03	Prepared:	05/12/11 16:53	Analyzed:	05/14/11 04:27
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1E12931 Sequence: 1E13501 Calibration: 1130003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.506	0.0962	0.0962	0.0962	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.01614	83.9	30 - 140	

ANALYSIS DATA SHEET

GW0099

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1105122-01	File ID:	007F0701.D
Sampled:	05/12/11 13:42	Prepared:	05/16/11 17:03	Analyzed:	05/17/11 14:06
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1E16010 Sequence: 1E13903 Calibration: 1130003 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	0.01137	59.1	30 - 140	

ANALYSIS DATA SHEET

GW0049

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1105137-01	File ID:	011F1101.D
Sampled:	05/13/11 10:05	Prepared:	05/16/11 17:03	Analyzed:	05/17/11 16:22
Solids:		Preparation:	EXT_3510	Dilution:	10

Batch: 1E16010 Sequence: 1E13903 Calibration: 1130003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	17.8	0.943	0.943	0.943	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01431	75.9	30 - 140	

ANALYSIS DATA SHEET

GW0055

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1105137-03	File ID:	012F1201.D
Sampled:	05/13/11 13:33	Prepared:	05/16/11 17:03	Analyzed:	05/17/11 16:55
Solids:		Preparation:	EXT_3510	Dilution:	20

Batch: 1E16010 Sequence: 1E13903 Calibration: 1130003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	30.7	1.87	1.87	1.87	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01869	0.01430	76.5	30 - 140	

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E12931	Laboratory ID:	1E12931-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	0.6427	64.3	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	0.6455	64.6	0.444	50	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E16010	Laboratory ID:	1E16010-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	0.5927	59.3	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	0.5870	58.7	0.964	50	50 - 150

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Batch: 1E12931 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0060	1105082-01	05/12/11 16:53	1,040.00	1.00
GW0085	1105093-01	05/12/11 16:53	960.00	1.00
GW0086	1105093-03	05/12/11 16:53	1,040.00	1.00
GW0087	1105113-01	05/12/11 16:53	1,040.00	1.00
GW0088	1105113-03	05/12/11 16:53	1,040.00	1.00
Blank	1E12931-BLK1	05/12/11 16:53	1,000.00	1.00
LCS	1E12931-BS1	05/12/11 16:53	1,000.00	1.00
LCS Dup	1E12931-BSD1	05/12/11 16:53	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Batch: 1E16010 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0099	1105122-01	05/16/11 17:03	1,040.00	1.00
GW0049	1105137-01	05/16/11 17:03	1,060.00	1.00
GW0055	1105137-03	05/16/11 17:03	1,070.00	1.00
Blank	1E16010-BLK1	05/16/11 17:03	1,000.00	1.00
LCS	1E16010-BS1	05/16/11 17:03	1,000.00	1.00
LCS Dup	1E16010-BSD1	05/16/11 17:03	1,000.00	1.00

INITIAL CALIBRATION STANDARDS

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E13009	Instrument:	GL-GCFID2
Calibration:	1130003		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
11D0042	DRO ICAL6@100ppm	1E13009-CAL6	003F0301.D	05/09/11 19:09
11D0043	DRO ICAL5@250ppm	1E13009-CAL5	004F0401.D	05/09/11 19:42
11D0044	DRO ICAL4@500ppm	1E13009-CAL4	005F0501.D	05/09/11 20:16
11D0045	DRO ICAL3@1000ppm	1E13009-CAL3	006F0601.D	05/09/11 20:50
11D0046	DRO ICAL2@2500ppm	1E13009-CAL2	007F0701.D	05/09/11 21:24
11D0047	DRO ICAL1@5000ppm	1E13009-CAL1	008F0801.D	05/09/11 21:57

INITIAL CALIBRATION DATA

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1130003	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	5/9/11_19:09	5/9/11_21:57

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	1983.15	250	2371.384	500	2470.962	1000	2809.255	2500	2564.569	5000	2592.746
Diesel Range Organics (C8-C40)	100		250		500		1000		2500		5000	
o-Terphenyl	5	2079.4	12.5	2790.96	25	2786.36	50	2966.5	125	3005.696	250	2946.7

INITIAL CALIBRATION DATA (Continued)

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1130003	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	5/9/11 19:09	5/9/11 21:57

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Diesel Range Organics (C10-C28)	2465.344	11.26614	4.32	1.350901E-02			20	
Diesel Range Organics (C8-C40)							20	
o-Terphenyl	2762.603	12.56739	8.0125	0.1625157			20	

INITIAL CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	1130003
Lab File ID:	009F0901.D	Calibration Date:	05/09/11 00:00
Sequence:	1E13009	Injection Date:	05/09/11
Lab Sample ID:	1E13009-ICV1	Injection Time:	22:31

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	1012	2465.344	2494.116		1.2	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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	1130003
Lab File ID:	003F0301.D	Calibration Date:	05/09/11 00:00
Sequence:	1E13501	Injection Date:	05/13/11
Lab Sample ID:	1E13501-CCV1	Injection Time:	13:16

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	1021	2465.344	2517.591		2.1	20
o-Terphenyl	A	50.00	47.85	2762.603	2643.68		-4.3	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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	1130003
Lab File ID:	021F2101.D	Calibration Date:	05/09/11 00:00
Sequence:	1E13501	Injection Date:	05/13/11
Lab Sample ID:	1E13501-CCV2	Injection Time:	23:25

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	1103	2465.344	2719.468		10.3	20
o-Terphenyl	A	50.00	53.71	2762.603	2967.8		7.4	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 DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	1130003
Lab File ID:	031F3101.D	Calibration Date:	05/09/11 00:00
Sequence:	1E13501	Injection Date:	05/14/11
Lab Sample ID:	1E13501-CCV3	Injection Time:	05:01

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	1080	2465.344	2664.02		8.1	20
o-Terphenyl	A	50.00	51.11	2762.603	2823.86		2.2	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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	1130003
Lab File ID:	003F0301.D	Calibration Date:	05/09/11 00:00
Sequence:	1E13903	Injection Date:	05/17/11
Lab Sample ID:	1E13903-CCV1	Injection Time:	11:51

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	1052	2465.344	2592.846		5.2	20
o-Terphenyl	A	50.00	47.62	2762.603	2631.26		-4.8	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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	1130003
Lab File ID:	013F1301.D	Calibration Date:	05/09/11 00:00
Sequence:	1E13903	Injection Date:	05/17/11
Lab Sample ID:	1E13903-CCV2	Injection Time:	17:29

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	1040	2465.344	2563.721		4.0	20
o-Terphenyl	A	50.00	45.24	2762.603	2499.5		-9.5	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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E13501	Instrument:	GL-GCFID2
		Calibration:	1130003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1E13501-CCV1) mg/L				Lab File ID: 003F0301.D		Analyzed: 05/13/11 13:16		
o-Terphenyl	50.00	95.7	80 - 120	8.003	8.003	0.0000	+/-0.050	
Calibration Check (1E13501-CCV2) mg/L				Lab File ID: 021F2101.D		Analyzed: 05/13/11 23:25		
o-Terphenyl	50.00	107	80 - 120	8.003	8.003	0.0000	+/-0.050	
Blank (1E12931-BLK1) mg/L				Lab File ID: 023F2301.D		Analyzed: 05/14/11 00:32		
o-Terphenyl	0.02000	86.7	30 - 140	8	8.003	-0.0030	+/-0.050	
LCS (1E12931-BS1) mg/L				Lab File ID: 024F2401.D		Analyzed: 05/14/11 01:06		
o-Terphenyl	0.02000	86.6	30 - 140	7.993	8.003	-0.0100	+/-0.050	
LCS Dup (1E12931-BSD1) mg/L				Lab File ID: 025F2501.D		Analyzed: 05/14/11 01:39		
o-Terphenyl	0.02000	83.4	30 - 140	7.993	8.003	-0.0100	+/-0.050	
GW0060 (1105082-01) mg/L				Lab File ID: 026F2601.D		Analyzed: 05/14/11 02:13		
o-Terphenyl	0.01923	91.2	30 - 140	8.003	8.003	0.0000	+/-0.050	
GW0085 (1105093-01) mg/L				Lab File ID: 027F2701.D		Analyzed: 05/14/11 02:47		
o-Terphenyl	0.02083	79.8	30 - 140	8	8.003	-0.0030	+/-0.050	
GW0086 (1105093-03) mg/L				Lab File ID: 028F2801.D		Analyzed: 05/14/11 03:20		
o-Terphenyl	0.01923	74.2	30 - 140	8.003	8.003	0.0000	+/-0.050	
GW0087 (1105113-01) mg/L				Lab File ID: 029F2901.D		Analyzed: 05/14/11 03:54		
o-Terphenyl	0.01923	76.7	30 - 140	8.006	8.003	0.0030	+/-0.050	
GW0088 (1105113-03) mg/L				Lab File ID: 030F3001.D		Analyzed: 05/14/11 04:27		
o-Terphenyl	0.01923	83.9	30 - 140	7.993	8.003	-0.0100	+/-0.050	
Calibration Check (1E13501-CCV3) mg/L				Lab File ID: 031F3101.D		Analyzed: 05/14/11 05:01		
o-Terphenyl	50.00	102	80 - 120	7.996	8.003	-0.0070	+/-0.050	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E13903	Instrument:	GL-GCFID2
		Calibration:	1130003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1E13903-CCV1) mg/L				Lab File ID: 003F0301.D		Analyzed: 05/17/11 11:51		
o-Terphenyl	50.00	95.2	80 - 120	8	8	0.0000	+/-0.050	
Blank (1E16010-BLK1) mg/L				Lab File ID: 004F0401.D		Analyzed: 05/17/11 12:25		
o-Terphenyl	0.02000	71.6	30 - 140	8.01	8	0.0100	+/-0.050	
LCS (1E16010-BS1) mg/L				Lab File ID: 005F0501.D		Analyzed: 05/17/11 12:58		
o-Terphenyl	0.02000	67.7	30 - 140	7.996	8	-0.0040	+/-0.050	
LCS Dup (1E16010-BSD1) mg/L				Lab File ID: 006F0601.D		Analyzed: 05/17/11 13:32		
o-Terphenyl	0.02000	67.7	30 - 140	7.996	8	-0.0040	+/-0.050	
GW0099 (1105122-01) mg/L				Lab File ID: 007F0701.D		Analyzed: 05/17/11 14:06		
o-Terphenyl	0.01923	59.1	30 - 140	8.013	8	0.0130	+/-0.050	
GW0049 (1105137-01) mg/L				Lab File ID: 011F1101.D		Analyzed: 05/17/11 16:22		
o-Terphenyl	0.01887	75.9	30 - 140	7.993	8	-0.0070	+/-0.050	
GW0055 (1105137-03) mg/L				Lab File ID: 012F1201.D		Analyzed: 05/17/11 16:55		
o-Terphenyl	0.01869	76.5	30 - 140	7.996	8	-0.0040	+/-0.050	
Calibration Check (1E13903-CCV2) mg/L				Lab File ID: 013F1301.D		Analyzed: 05/17/11 17:29		
o-Terphenyl	50.00	90.5	80 - 120	7.99	8	-0.0100	+/-0.050	

HOLDING TIME SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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
GW0060	05/09/11 12:07	05/10/11 09:00	05/12/11 16:53	3.16	7.00	05/14/11 02:13	1.39	40.00	
GW0085	05/10/11 13:31	05/11/11 09:00	05/12/11 16:53	2.10	7.00	05/14/11 02:47	1.41	40.00	
GW0086	05/10/11 13:31	05/11/11 09:00	05/12/11 16:53	2.10	7.00	05/14/11 03:20	1.44	40.00	
GW0087	05/11/11 13:58	05/12/11 09:00	05/12/11 16:53	1.08	7.00	05/14/11 03:54	1.46	40.00	
GW0088	05/11/11 10:03	05/12/11 09:00	05/12/11 16:53	1.24	7.00	05/14/11 04:27	1.48	40.00	
GW0099	05/12/11 13:42	05/13/11 09:00	05/16/11 17:03	4.10	7.00	05/17/11 14:06	0.88	40.00	
GW0049	05/13/11 10:05	05/14/11 10:30	05/16/11 17:03	3.25	7.00	05/17/11 16:22	0.97	40.00	
GW0055	05/13/11 13:33	05/14/11 10:30	05/16/11 17:03	3.10	7.00	05/17/11 16:55	0.99	40.00	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1E12931-BLK1	File ID:	023F2301.D
Sampled:		Prepared:		Analyzed:	05/14/11 00:32
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	1E12931	Sequence:	1E13501	Calibration:	1130003	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	0.01735	86.7	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1E12931-BS1	File ID:	024F2401.D
Sampled:		Prepared:		Analyzed:	05/14/11 01:06
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	1E12931	Sequence:	1E13501	Calibration:	1130003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.6427	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01731	86.6	30 - 140	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	1E12931-BSD1	File ID:	025F2501.D
Sampled:		Prepared:		Analyzed:	05/14/11 01:39
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 1E12931 Sequence: 1E13501 Calibration: 1130003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.6455	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01669	83.4	30 - 140	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1E16010-BLK1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	05/17/11 12:25
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	1E16010	Sequence:	1E13903	Calibration:	1130003	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	0.01431	71.6	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1E16010-BS1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	05/17/11 12:58
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	1E16010	Sequence:	1E13903	Calibration:	1130003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.5927	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01353	67.7	30 - 140	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1E16010-BSD1	File ID:	006F0601.D
Sampled:		Prepared:		Analyzed:	05/17/11 13:32
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	1E16010	Sequence:	1E13903	Calibration:	1130003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.5870	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01353	67.7	30 - 140	

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_012
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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D11806	Instrument:	GL-ECD2
Calibration:	1118002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1D11806-CAL1	003R0101.D	04/26/11 12:07
Cal Standard	1D11806-CAL1	003F0101.D	04/26/11 12:07
Cal Standard	1D11806-CAL2	004R0101.D	04/26/11 12:23
Cal Standard	1D11806-CAL2	004F0101.D	04/26/11 12:23
Cal Standard	1D11806-CAL3	005R0101.D	04/26/11 12:44
Cal Standard	1D11806-CAL3	005F0101.D	04/26/11 12:44
Cal Standard	1D11806-CAL4	006R0101.D	04/26/11 13:05
Cal Standard	1D11806-CAL4	006F0101.D	04/26/11 13:05
Cal Standard	1D11806-CAL5	007R0101.D	04/26/11 13:27
Cal Standard	1D11806-CAL5	007F0101.D	04/26/11 13:27
Cal Standard	1D11806-CAL6	008R0101.D	04/26/11 13:48
Cal Standard	1D11806-CAL6	008F0101.D	04/26/11 13:48
Initial Cal Check	1D11806-ICV1	009R0101.D	04/26/11 14:10
Initial Cal Check	1D11806-ICV1	009F0101.D	04/26/11 14:10

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E13712	Instrument:	GL-ECD2
Calibration:	1118002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1E13712-CCV1	002R0101.D	05/16/11 13:03
Calibration Check	1E13712-CCV1	002F0101.D	05/16/11 13:03
LCS	1E16001-BS1	004R0101.D	05/16/11 13:41
LCS	1E16001-BS1	004F0101.D	05/16/11 13:41
LCS Dup	1E16001-BSD1	005F0101.D	05/16/11 14:02
LCS Dup	1E16001-BSD1	005R0101.D	05/16/11 14:02
Blank	1E16001-BLK1	006R0101.D	05/16/11 14:23
GW0060	1105082-01	007F0101.D	05/16/11 14:44
GW0060	1105082-01	007R0101.D	05/16/11 14:44
GW0085	1105093-01	008R0101.D	05/16/11 15:05
GW0086	1105093-03	009R0101.D	05/16/11 15:27
GW0086	1105093-03	009F0101.D	05/16/11 15:27
GW0087	1105113-01	011F0101.D	05/16/11 16:09
GW0087	1105113-01	011R0101.D	05/16/11 16:09
GW0099	1105122-01	013F0101.D	05/16/11 16:51
Calibration Check	1E13712-CCV2	014R0101.D	05/16/11 17:12
Calibration Check	1E13712-CCV2	014F0101.D	05/16/11 17:12

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E14303	Instrument:	GL-ECD2
Calibration:	1118002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1E14303-CCV1	002R0102.D	05/20/11 11:57
Calibration Check	1E14303-CCV1	002F0102.D	05/20/11 11:57
GW0088	1105113-03RE1	010R0101.D	05/20/11 14:48
GW0088	1105113-03RE1	010F0101.D	05/20/11 14:48
Calibration Check	1E14303-CCV2	011R0101.D	05/20/11 15:10
Calibration Check	1E14303-CCV2	011F0101.D	05/20/11 15:10

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E14704	Instrument:	GL-ECD2
Calibration:	1118002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1E14704-CCV1	002R0101.D	05/26/11 11:42
LCS	1E26019-BS1	006R0101.D	05/26/11 13:07
LCS	1E26019-BS1	006F0101.D	05/26/11 13:07
LCS Dup	1E26019-BSD1	007R0101.D	05/26/11 13:28
LCS Dup	1E26019-BSD1	007F0101.D	05/26/11 13:28
Blank	1E26019-BLK1	008R0101.D	05/26/11 14:11
Calibration Check	1E14704-CCV2	019R0101.D	05/26/11 17:59
Calibration Check	1E14704-CCV2	019F0101.D	05/26/11 17:59

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E15101	Instrument:	GL-ECD2
Calibration:	1118002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1E15101-CCV1	002R0101.D	05/27/11 09:54
Calibration Check	1E15101-CCV1	002F0101.D	05/27/11 09:54
GW0049	1105137-01RE2	004R0101.D	05/27/11 10:36
GW0049	1105137-01RE2	004F0101.D	05/27/11 10:36
Calibration Check	1E15101-CCV2	006R0101.D	05/27/11 11:19
Calibration Check	1E15101-CCV2	006F0101.D	05/27/11 11:19
GW0055	1105137-03RE2	008R0101.D	05/27/11 12:02
GW0055	1105137-03RE2	008F0101.D	05/27/11 12:02
Calibration Check	1E15101-CCV3	009R0101.D	05/27/11 12:23
Calibration Check	1E15101-CCV3	009F0101.D	05/27/11 12:23

ANALYSIS DATA SHEET

GW0060

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105082-01	File ID:	007F0101.D
Sampled:	05/09/11 12:07	Prepared:	05/16/11 09:51	Analyzed:	05/16/11 14:44
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1E16001 Sequence: 1E13712 Calibration: 1118002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.369	0.00932	0.0186	0.0280	P

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0085

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105093-01	File ID:	008R0101.D
Sampled:	05/10/11 13:31	Prepared:	05/16/11 09:51	Analyzed:	05/16/11 15:05
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1E16001 Sequence: 1E13712 Calibration: 1118002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00932	0.0186	0.0280	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0086

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105093-03	File ID:	009F0101.D
Sampled:	05/10/11 13:31	Prepared:	05/16/11 09:51	Analyzed:	05/16/11 15:27
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1E16001 Sequence: 1E13712 Calibration: 1118002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00936	0.0187	0.0281	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0087

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105113-01	File ID:	011F0101.D
Sampled:	05/11/11 13:58	Prepared:	05/16/11 09:51	Analyzed:	05/16/11 16:09
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1E16001 Sequence: 1E13712 Calibration: 1118002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.0269	0.00931	0.0186	0.0279	J

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0088

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105113-03RE1	File ID:	010F0101.D
Sampled:	05/11/11 10:03	Prepared:	05/16/11 09:51	Analyzed:	05/20/11 14:48
Solids:		Preparation:	EDB	Dilution:	5

Batch: 1E16001 Sequence: 1E14303 Calibration: 1118002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	1.75	0.0469	0.0938	0.141	D

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0099

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1105122-01	File ID:	013F0101.D
Sampled:	05/12/11 13:42	Prepared:	05/16/11 09:51	Analyzed:	05/16/11 16:51
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1E16001 Sequence: 1E13712 Calibration: 1118002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00933	0.0187	0.0280	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0049

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1105137-01RE2	File ID:	004F0101.D
Sampled:	05/13/11 10:05	Prepared:	05/26/11 13:50	Analyzed:	05/27/11 10:36
Solids:		Preparation:	EDB	Dilution:	10

Batch: 1E26019 Sequence: 1E15101 Calibration: 1118002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	6.49	0.0933	0.187	0.280	D

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0055

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1105137-03RE2	File ID:	008F0101.D
Sampled:	05/13/11 13:33	Prepared:	05/26/11 13:50	Analyzed:	05/27/11 12:02
Solids:		Preparation:	EDB	Dilution:	4000

Batch: 1E26019 Sequence: 1E15101 Calibration: 1118002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	2570	37.7	75.3	113	D

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E16001	Laboratory ID:	1E16001-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	0.5746	115	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.3871	77.4	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	0.5843	117	1.67	20	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.4478	89.6	14.5	20	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E26019	Laboratory ID:	1E26019-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	0.4645	92.9	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.4504	90.1	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	0.4507	90.1	3.03	20	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.4337	86.7	3.79	20	70 - 130

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Batch: 1E16001 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0060	1105082-01	05/16/11 09:51	37.56	35.00
GW0085	1105093-01	05/16/11 09:51	37.54	35.00
GW0086	1105093-03	05/16/11 09:51	37.41	35.00
GW0087	1105113-01	05/16/11 09:51	37.59	35.00
GW0088	1105113-03RE1	05/16/11 09:51	37.31	35.00
GW0099	1105122-01	05/16/11 09:51	37.53	35.00
Blank	1E16001-BLK1	05/16/11 09:51	35.00	35.00
LCS	1E16001-BS1	05/16/11 09:51	35.00	35.00
LCS Dup	1E16001-BSD1	05/16/11 09:51	35.00	35.00

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Batch: 1E26019 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0049	1105137-01RE2	05/26/11 13:50	37.52	35.00
GW0055	1105137-03RE2	05/26/11 13:50	37.17	35.00
Blank	1E26019-BLK1	05/26/11 13:50	35.00	35.00
LCS	1E26019-BS1	05/26/11 13:00	35.00	35.00
LCS Dup	1E26019-BSD1	05/26/11 13:00	35.00	35.00

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	1E16001-BLK1	File ID:	006R0101.D
Sampled:		Prepared:	05/16/11 09:51	Analyzed:	05/16/11 14:23
Solids:		Preparation:	EDB	Dilution:	

Batch: 1E16001 Sequence: 1E13712 Calibration: 1118002 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_012
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	1E26019-BLK1	File ID:	008R0101.D
Sampled:		Prepared:	05/26/11 13:50	Analyzed:	05/26/11 14:11
Solids:		Preparation:	EDB	Dilution:	

Batch: 1E26019 Sequence: 1E14704 Calibration: 1118002 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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1D11806	Instrument:	GL-ECD2
Calibration:	1118002		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
11D0621	EDB ICAL 1 (0.03ppb)	1D11806-CAL1	003R0101.D	04/26/11 12:07
11D0621	EDB ICAL 1 (0.03ppb)	1D11806-CAL1	003F0101.D	04/26/11 12:07
11D0622	EDB ICAL 2 (0.05ppb)	1D11806-CAL2	004R0101.D	04/26/11 12:23
11D0622	EDB ICAL 2 (0.05ppb)	1D11806-CAL2	004F0101.D	04/26/11 12:23
11D0623	EDB ICAL 3 (0.10ppb)	1D11806-CAL3	005R0101.D	04/26/11 12:44
11D0623	EDB ICAL 3 (0.10ppb)	1D11806-CAL3	005F0101.D	04/26/11 12:44
11D0624	EDB ICAL 4 (0.20ppb)	1D11806-CAL4	006R0101.D	04/26/11 13:05
11D0624	EDB ICAL 4 (0.20ppb)	1D11806-CAL4	006F0101.D	04/26/11 13:05
11D0625	EDB ICAL 5 (0.50ppb)/CCV	1D11806-CAL5	007R0101.D	04/26/11 13:27
11D0625	EDB ICAL 5 (0.50ppb)/CCV	1D11806-CAL5	007F0101.D	04/26/11 13:27
11D0626	EDB ICAL 6 (1.00ppb)	1D11806-CAL6	008R0101.D	04/26/11 13:48
11D0626	EDB ICAL 6 (1.00ppb)	1D11806-CAL6	008F0101.D	04/26/11 13:48

INITIAL CALIBRATION DATA

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1118002	Instrument:	GL-ECD2	
Matrix:	Water	Calibration Dates:	4/26/11_12:07	4/26/11_13:48

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	0.03	11666.67	0.05	13000	0.1	14970	0.2	13020	0.5	11516	1	11342
1,2-Dibromoethane [2C]	0.03	30200	0.05	36160	0.1	37010	0.2	34535	0.5	31338	1	30084
1,2-Dibromo-3-chloropropane	0.03	16800	0.05	21540	0.1	20560	0.2	21680	0.5	19172	1	18131
1,2-Dibromo-3-chloropropane [2C]	0.03	73000	0.05	70700	0.1	68990	0.2	68840	0.5	70438	1	70415

INITIAL CALIBRATION DATA (Continued)

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1118002	Instrument:	GL-ECD2	
Matrix:	Water	Calibration Dates:	4/26/11 12:07	4/26/11 13:48

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,2-Dibromoethane	12585.78	10.99857	1.744167	0.3001279	0.99878		CCC ()	*
1,2-Dibromoethane [2C]	33221.17	9.251799	0.6746667	0.5104924			CCC ()	*
1,2-Dibromo-3-chloropropane	19647.17	9.968561	7.306833	8.658577E-02			CCC ()	*
1,2-Dibromo-3-chloropropane [2C]	70397.17	2.132975	4.458	0.2389413			CCC ()	*

INITIAL CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	1118002
Lab File ID:	009F0101.D	Calibration Date:	04/26/11 00:00
Sequence:	1D11806	Injection Date:	04/26/11
Lab Sample ID:	1D11806-ICV1	Injection Time:	14:10

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.5687	12585.78	13112		13.7	20
1,2-Dibromoethane [2C]	A	0.5000	0.5058	33221.17	33608		1.2	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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	1118002
Lab File ID:	002F0101.D	Calibration Date:	04/26/11 00:00
Sequence:	1E13712	Injection Date:	05/16/11
Lab Sample ID:	1E13712-CCV1	Injection Time:	13:03

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.5776	12585.78	13310		15.5	20
1,2-Dibromoethane [2C]	A	0.5000	0.4741	33221.17	31500		-5.2	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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	1118002
Lab File ID:	014F0101.D	Calibration Date:	04/26/11 00:00
Sequence:	1E13712	Injection Date:	05/16/11
Lab Sample ID:	1E13712-CCV2	Injection Time:	17:12

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.5726	12585.78	13200		14.5	20
1,2-Dibromoethane [2C]	A	0.5000	0.3884	33221.17	25806		-22.3	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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	1118002
Lab File ID:	002F0102.D	Calibration Date:	04/26/11 00:00
Sequence:	1E14303	Injection Date:	05/20/11
Lab Sample ID:	1E14303-CCV1	Injection Time:	11:57

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.5757	12585.78	13268		15.1	20
1,2-Dibromoethane [2C]	A	0.5000	0.5145	33221.17	34186		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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	1118002
Lab File ID:	011F0101.D	Calibration Date:	04/26/11 00:00
Sequence:	1E14303	Injection Date:	05/20/11
Lab Sample ID:	1E14303-CCV2	Injection Time:	15:10

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.5788	12585.78	13338		15.8	20
1,2-Dibromoethane [2C]	A	0.5000	0.5217	33221.17	34666		4.3	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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	1118002
Lab File ID:	002R0101.D	Calibration Date:	04/26/11 00:00
Sequence:	1E14704	Injection Date:	05/26/11
Lab Sample ID:	1E14704-CCV1	Injection Time:	11:42

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.5040	12585.78	33488		0.8	20
1,2-Dibromoethane [2C]	A	0.5000	0.5040	33221.17	33488		0.8	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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	1118002
Lab File ID:	019F0101.D	Calibration Date:	04/26/11 00:00
Sequence:	1E14704	Injection Date:	05/26/11
Lab Sample ID:	1E14704-CCV2	Injection Time:	17:59

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.5931	12585.78	13658		18.6	20
1,2-Dibromoethane [2C]	A	0.5000	0.4790	33221.17	31824		-4.2	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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	1118002
Lab File ID:	002F0101.D	Calibration Date:	04/26/11 00:00
Sequence:	1E15101	Injection Date:	05/27/11
Lab Sample ID:	1E15101-CCV1	Injection Time:	09:54

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.4697	12585.78	10898		-6.1	20
1,2-Dibromoethane [2C]	A	0.5000	0.5517	33221.17	36656		10.3	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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	1118002
Lab File ID:	006F0101.D	Calibration Date:	04/26/11 00:00
Sequence:	1E15101	Injection Date:	05/27/11
Lab Sample ID:	1E15101-CCV2	Injection Time:	11:19

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.5734	12585.78	13216		14.7	20
1,2-Dibromoethane [2C]	A	0.5000	0.5665	33221.17	37638		13.3	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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	1118002
Lab File ID:	009F0101.D	Calibration Date:	04/26/11 00:00
Sequence:	1E15101	Injection Date:	05/27/11
Lab Sample ID:	1E15101-CCV3	Injection Time:	12:23

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.5670	12585.78	13074		13.4	20
1,2-Dibromoethane [2C]	A	0.5000	0.5651	33221.17	37544		13.0	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_012

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
GW0060	05/09/11 12:07	05/10/11 09:00	05/16/11 09:51	N/A	14.00	05/16/11 14:44	7.07	14.00	
GW0085	05/10/11 13:31	05/11/11 09:00	05/16/11 09:51	N/A	14.00	05/16/11 15:05	6.02	14.00	
GW0086	05/10/11 13:31	05/11/11 09:00	05/16/11 09:51	N/A	14.00	05/16/11 15:27	6.04	14.00	
GW0087	05/11/11 13:58	05/12/11 09:00	05/16/11 09:51	N/A	14.00	05/16/11 16:09	5.05	14.00	
GW0088	05/11/11 10:03	05/12/11 09:00	05/16/11 09:51	N/A	14.00	05/20/11 14:48	9.16	14.00	
GW0099	05/12/11 13:42	05/13/11 09:00	05/16/11 09:51	N/A	14.00	05/16/11 16:51	4.09	14.00	
GW0049	05/13/11 10:05	05/14/11 10:30	05/26/11 13:50	N/A	14.00	05/27/11 10:36	13.98	14.00	
GW0055	05/13/11 13:33	05/14/11 10:30	05/26/11 13:50	N/A	14.00	05/27/11 12:02	13.90	14.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_012
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 1E16001-BS1
File ID: 004F0101.D
Sampled:
Prepared:
Analyzed: 05/16/11 13:41
Solids:
Preparation: EDB
Dilution:
Batch: 1E16001
Sequence: 1E13712
Calibration: 1118002
Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.5746	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_012
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 1E16001-BS1
File ID: 004R0101.D
Sampled:
Prepared:
Analyzed: 05/16/11 13:41
Solids:
Preparation: EDB
Dilution:
Batch: 1E16001
Sequence: 1E13712
Calibration: 1118002
Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.3871	0.0100	0.0200	0.0300	Y

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_012
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 1E16001-BSD1
File ID: 005F0101.D
Sampled:
Prepared:
Analyzed: 05/16/11 14:02
Solids:
Preparation: EDB
Dilution:
Batch: 1E16001
Sequence: 1E13712
Calibration: 1118002
Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.5843	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_012
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 1E16001-BSD1
File ID: 005R0101.D
Sampled:
Prepared:
Analyzed: 05/16/11 14:02
Solids:
Preparation: EDB
Dilution:
Batch: 1E16001
Sequence: 1E13712
Calibration: 1118002
Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.4478	0.0100	0.0200	0.0300	Y

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_012
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 1E26019-BS1
File ID: 006F0101.D
Sampled:
Prepared:
Analyzed: 05/26/11 13:07
Solids:
Preparation: EDB
Dilution:
Batch: 1E26019
Sequence: 1E14704
Calibration: 1118002
Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.4645	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1E26019-BS1	File ID:	006R0101.D
Sampled:		Prepared:		Analyzed:	05/26/11 13:07
Solids:		Preparation:	EDB	Dilution:	

Batch:	1E26019	Sequence:	1E14704	Calibration:	1118002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.4504	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1E26019-BSD1	File ID:	007F0101.D
Sampled:		Prepared:		Analyzed:	05/26/11 13:28
Solids:		Preparation:	EDB	Dilution:	

Batch:	1E26019	Sequence:	1E14704	Calibration:	1118002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.4507	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1E26019-BSD1	File ID:	007R0101.D
Sampled:		Prepared:		Analyzed:	05/26/11 13:28
Solids:		Preparation:	EDB	Dilution:	

Batch:	1E26019	Sequence:	1E14704	Calibration:	1118002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.4337	0.0100	0.0200	0.0300	

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0060

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1105082-01 Date(s) Analyzed: 05/16/2011 05/16/2011

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	1.78	1.71	1.77	0.369	
	2	0.67	0.64	0.70	0.206	57

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0087

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1105113-01

Date(s) Analyzed: 05/16/2011 05/16/2011

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	1.78	1.71	1.77	0.0269	
	2	0.67	0.64	0.70	0.0247	8

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0088

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1105113-03RE1 Date(s) Analyzed: 05/20/2011 05/20/2011

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	1.71	1.71	1.77	1.75	
	2	0.67	0.64	0.70	1.45	19

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1E16001-BS1 Date(s) Analyzed: 05/16/2011 05/16/2011

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	1.78	1.71	1.77	0.5746	
	2	0.67	0.64	0.70	0.3871	39

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS Dup

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1E16001-BSD1 Date(s) Analyzed: 05/16/2011 05/16/2011

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	1.78	1.71	1.77	0.5843	
	2	0.67	0.64	0.70	0.4478	27

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0049

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1105137-01RE2 Date(s) Analyzed: 05/27/2011 05/27/2011

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	1.74	1.71	1.77	6.49	
	2	0.67	0.64	0.70	5.52	16

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0055

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1105137-03RE2 Date(s) Analyzed: 05/27/2011 05/27/2011

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	1.74	1.71	1.77	2570	
	2	0.67	0.64	0.70	2420	6

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1E26019-BS1 Date(s) Analyzed: 05/26/2011 05/26/2011

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	1.74	1.71	1.77	0.4645	
	2	0.67	0.64	0.70	0.4504	3

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS Dup

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1E26019-BSD1 Date(s) Analyzed: 05/26/2011 05/26/2011

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	1.74	1.71	1.77	0.4507	
	2	0.67	0.64	0.70	0.4337	4

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_012
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

Data for SW6010B Forms

ANALYSIS DATA SHEET

GW0060

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105082-01
Sampled:	05/09/11 12:07	Received:	05/10/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	44300	1000	2000	5000	1		SW6010B	1E13307	05/17/11 16:01
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1E13307	05/17/11 16:01
7439-95-4	Magnesium	5400	1000	3000	5000	1		SW6010B	1E13307	05/17/11 16:01
7440-09-7	Potassium	2390	1000	3000	5000	1	J	SW6010B	1E13307	05/17/11 16:01
7440-23-5	Sodium	26300	1000	3000	5000	1		SW6010B	1E13307	05/17/11 16:01

ANALYSIS DATA SHEET

GW0060

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105082-02
Sampled:	05/09/11 12:07	Received:	05/10/11 09:00
% 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	1E13307	05/17/11 16:06
7439-96-5	Manganese (dissolved)	35.5	3.00	6.00	15.0	1		SW6010B	1E13307	05/17/11 16:06

ANALYSIS DATA SHEET

GW0085

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Ground Water
Sampled: 05/10/11 13:31
% Solids: 0.00

SDG: Kirtland_012
Project: Kirtland AFB 2011
Laboratory ID: 1105093-01
Received: 05/11/11 09:00

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	35900	1000	2000	5000	1		SW6010B	1E13307	05/17/11 17:00
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1E13307	05/17/11 17:00
7439-95-4	Magnesium	4430	1000	3000	5000	1	J	SW6010B	1E13307	05/17/11 17:00
7440-09-7	Potassium	2220	1000	3000	5000	1	J	SW6010B	1E13307	05/17/11 17:00
7440-23-5	Sodium	23800	1000	3000	5000	1		SW6010B	1E13307	05/17/11 17:00

ANALYSIS DATA SHEET

GW0085

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Ground Water
Sampled: 05/10/11 13:31
% Solids: 0.00

SDG: Kirtland_012
Project: Kirtland AFB 2011
Laboratory ID: 1105093-02
Received: 05/11/11 09:00

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	1E13307	05/17/11 17:05
7439-96-5	Manganese (dissolved)	58.9	3.00	6.00	15.0	1		SW6010B	1E13307	05/17/11 17:05

ANALYSIS DATA SHEET

GW0086

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105093-03
Sampled:	05/10/11 13:31	Received:	05/11/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	34100	1000	2000	5000	1		SW6010B	1E13307	05/17/11 17:09
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1E13307	05/17/11 17:09
7439-95-4	Magnesium	4240	1000	3000	5000	1	J	SW6010B	1E13307	05/17/11 17:09
7440-09-7	Potassium	2130	1000	3000	5000	1	J	SW6010B	1E13307	05/17/11 17:09
7440-23-5	Sodium	23000	1000	3000	5000	1		SW6010B	1E13307	05/17/11 17:09

ANALYSIS DATA SHEET

GW0086

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105093-04
Sampled:	05/10/11 13:31	Received:	05/11/11 09:00
% 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	1E13307	05/17/11 17:14
7439-96-5	Manganese (dissolved)	57.1	3.00	6.00	15.0	1		SW6010B	1E13307	05/17/11 17:14

ANALYSIS DATA SHEET

GW0087

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105113-01
Sampled:	05/11/11 13:58	Received:	05/12/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	44300	1000	2000	5000	1		SW6010B	1E19006	05/20/11 12:06
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1E19006	05/20/11 12:06
7439-95-4	Magnesium	5590	1000	3000	5000	1		SW6010B	1E19006	05/20/11 12:06
7440-09-7	Potassium	2340	1000	3000	5000	1	J	SW6010B	1E19006	05/20/11 12:06
7440-23-5	Sodium	25400	1000	3000	5000	1		SW6010B	1E19006	05/20/11 12:06

ANALYSIS DATA SHEET

GW0087

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105113-02
Sampled:	05/11/11 13:58	Received:	05/12/11 09:00
% 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	1E19006	05/20/11 12:10
7439-96-5	Manganese (dissolved)	31.6	3.00	6.00	15.0	1		SW6010B	1E19006	05/20/11 12:10

ANALYSIS DATA SHEET

GW0088

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105113-03
Sampled:	05/11/11 10:03	Received:	05/12/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	49300	1000	2000	5000	1		SW6010B	1E19006	05/20/11 12:34
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1E19006	05/20/11 12:34
7439-95-4	Magnesium	6640	1000	3000	5000	1		SW6010B	1E19006	05/20/11 12:34
7440-09-7	Potassium	2450	1000	3000	5000	1	J	SW6010B	1E19006	05/20/11 12:34
7440-23-5	Sodium	27100	1000	3000	5000	1		SW6010B	1E19006	05/20/11 12:34

ANALYSIS DATA SHEET

GW0088

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105113-04
Sampled:	05/11/11 10:03	Received:	05/12/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	157	30.0	60.0	100	1		SW6010B	1E19006	05/20/11 12:19
7439-96-5	Manganese (dissolved)	543	3.00	6.00	15.0	1		SW6010B	1E19006	05/20/11 12:19

ANALYSIS DATA SHEET

GW0099

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1105122-01
Sampled:	05/12/11 13:42	Received:	05/13/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	36600	1000	2000	5000	1		SW6010B	1E19006	05/20/11 12:24
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1E19006	05/20/11 12:24
7439-95-4	Magnesium	4720	1000	3000	5000	1	J	SW6010B	1E19006	05/20/11 12:24
7440-09-7	Potassium	2320	1000	3000	5000	1	J	SW6010B	1E19006	05/20/11 12:24
7440-23-5	Sodium	23900	1000	3000	5000	1		SW6010B	1E19006	05/20/11 12:24

ANALYSIS DATA SHEET

GW0099

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 05/12/11 13:42
% Solids: 0.00

SDG: Kirtland_012
Project: Kirtland AFB 2011
Laboratory ID: 1105122-02
Received: 05/13/11 09:00

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	36.4	30.0	60.0	100	1	J	SW6010B	1E19006	05/20/11 12:28
7439-96-5	Manganese (dissolved)	376	3.00	6.00	15.0	1		SW6010B	1E19006	05/20/11 12:28

ANALYSIS DATA SHEET

GW0049

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1105137-01
Sampled:	05/13/11 10:05	Received:	05/14/11 10:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	124000	1000	2000	5000	1		SW6010B	1E19006	05/20/11 12:51
7439-92-1	Lead	1.50	1.50	3.00	3.00	1	J	SW6010B	1E19006	05/20/11 12:51
7439-95-4	Magnesium	18200	1000	3000	5000	1		SW6010B	1E19006	05/20/11 12:51
7440-09-7	Potassium	4140	1000	3000	5000	1	J	SW6010B	1E19006	05/20/11 12:51
7440-23-5	Sodium	38300	1000	3000	5000	1		SW6010B	1E19006	05/20/11 12:51

ANALYSIS DATA SHEET

GW0049

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1105137-02
Sampled:	05/14/11 10:05	Received:	05/14/11 10:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	1640	30.0	60.0	100	1		SW6010B	1E19006	05/20/11 12:56
7439-96-5	Manganese (dissolved)	5390	3.00	6.00	15.0	1		SW6010B	1E19006	05/20/11 12:56

ANALYSIS DATA SHEET

GW0055

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1105137-03
Sampled:	05/13/11 13:33	Received:	05/14/11 10:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	63800	1000	2000	5000	1		SW6010B	1E19006	05/20/11 13:01
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1E19006	05/20/11 13:01
7439-95-4	Magnesium	8180	1000	3000	5000	1		SW6010B	1E19006	05/20/11 13:01
7440-09-7	Potassium	2820	1000	3000	5000	1	J	SW6010B	1E19006	05/20/11 13:01
7440-23-5	Sodium	30100	1000	3000	5000	1		SW6010B	1E19006	05/20/11 13:01

ANALYSIS DATA SHEET

GW0055

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1105137-04
Sampled:	05/13/11 13:33	Received:	05/14/11 10:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	832	30.0	60.0	100	1		SW6010B	1E19006	05/20/11 13:06
7439-96-5	Manganese (dissolved)	1010	3.00	6.00	15.0	1		SW6010B	1E19006	05/20/11 13:06

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: Kirtland_012
Project: Kirtland AFB 2011
Calibration: 1139003
Sequence: 1E13908

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1E13908-ICV1	Calcium	50000	51810	104	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10190	102	ug/L	+/- 10.00%
	Lead	1000	977.8	97.8	ug/L	+/- 10.00%
	Magnesium	50000	48570	97.1	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1066	107	ug/L	+/- 10.00%
	Potassium	10000	9213	92.1	ug/L	+/- 10.00%
	Sodium	50000	51320	103	ug/L	+/- 10.00%
1E13908-CCV1	Calcium	50000	50270	101	ug/L	+/- 10.00%
	Iron (dissolved)	10000	9958	99.6	ug/L	+/- 10.00%
	Lead	1000	969.0	96.9	ug/L	+/- 10.00%
	Magnesium	50000	46930	93.9	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1037	104	ug/L	+/- 10.00%
	Potassium	10000	10190	102	ug/L	+/- 10.00%
	Sodium	50000	51710	103	ug/L	+/- 10.00%
1E13908-CCV2	Calcium	50000	51850	104	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10550	106	ug/L	+/- 10.00%
	Lead	1000	960.2	96.0	ug/L	+/- 10.00%
	Magnesium	50000	48260	96.5	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1062	106	ug/L	+/- 10.00%
	Potassium	10000	10150	101	ug/L	+/- 10.00%
	Sodium	50000	52400	105	ug/L	+/- 10.00%
1E13908-CCV3	Calcium	50000	50800	102	ug/L	+/- 10.00%
	Iron (dissolved)	10000	9834	98.3	ug/L	+/- 10.00%
	Lead	1000	949.5	94.9	ug/L	+/- 10.00%
	Magnesium	50000	46700	93.4	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1033	103	ug/L	+/- 10.00%
	Potassium	10000	10330	103	ug/L	+/- 10.00%
	Sodium	50000	51670	103	ug/L	+/- 10.00%
1E13908-CCV4	Calcium	50000	49530	99.1	ug/L	+/- 10.00%
	Iron (dissolved)	10000	9970	99.7	ug/L	+/- 10.00%
	Lead	1000	958.6	95.9	ug/L	+/- 10.00%
	Magnesium	50000	46550	93.1	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1026	103	ug/L	+/- 10.00%
	Potassium	10000	10270	103	ug/L	+/- 10.00%
	Sodium	50000	52610	105	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_012
Project: Kirtland AFB 2011
Calibration: 1142003
Sequence: 1E14201

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1E14201-ICV1	Calcium	50000	52800	106	ug/L	+/- 10.00%
	Iron (dissolved)	10000	9686	96.9	ug/L	+/- 10.00%
	Lead	1000	954.5	95.4	ug/L	+/- 10.00%
	Magnesium	50000	48850	97.7	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1060	106	ug/L	+/- 10.00%
	Potassium	10000	9764	97.6	ug/L	+/- 10.00%
	Sodium	50000	49050	98.1	ug/L	+/- 10.00%
1E14201-CCV1	Calcium	50000	54710	109	ug/L	+/- 10.00%
	Iron (dissolved)	10000	9274	92.7	ug/L	+/- 10.00%
	Lead	1000	927.4	92.7	ug/L	+/- 10.00%
	Magnesium	50000	49020	98.0	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1069	107	ug/L	+/- 10.00%
	Potassium	10000	10090	101	ug/L	+/- 10.00%
	Sodium	50000	48500	97.0	ug/L	+/- 10.00%
1E14201-CCV2	Calcium	50000	52580	105	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10580	106	ug/L	+/- 10.00%
	Lead	1000	999.6	100	ug/L	+/- 10.00%
	Magnesium	50000	50520	101	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1080	108	ug/L	+/- 10.00%
	Potassium	10000	9638	96.4	ug/L	+/- 10.00%
	Sodium	50000	51150	102	ug/L	+/- 10.00%
1E14201-CCV3	Calcium	50000	52750	106	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10100	101	ug/L	+/- 10.00%
	Lead	1000	965.3	96.5	ug/L	+/- 10.00%
	Magnesium	50000	49580	99.2	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1090	109	ug/L	+/- 10.00%
	Potassium	10000	9765	97.6	ug/L	+/- 10.00%
	Sodium	50000	50390	101	ug/L	+/- 10.00%

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_012

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 1139003

Sequence: 1E13908

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1E13908-CRL1	Calcium	2000	2035	102	ug/L	80 - 120
	Iron (dissolved)	60.00	64.36	107	ug/L	80 - 120
	Lead	3.000	3.490	116	ug/L	80 - 120
	Magnesium	3000	2753	91.8	ug/L	80 - 120
	Manganese (dissolved)	6.000	6.564	109	ug/L	80 - 120
	Potassium	3000	3008	100	ug/L	80 - 120
	Sodium	3000	3131	104	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_012

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 1142003

Sequence: 1E14201

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1E14201-CRL1	Calcium	2000	2168	108	ug/L	80 - 120
	Iron (dissolved)	60.00	60.36	101	ug/L	80 - 120
	Lead	3.000	3.153	105	ug/L	80 - 120
	Magnesium	3000	2833	94.4	ug/L	80 - 120
	Manganese (dissolved)	6.000	6.719	112	ug/L	80 - 120
	Potassium	3000	2919	97.3	ug/L	80 - 120
	Sodium	3000	2845	94.8	ug/L	80 - 120

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_012
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 1E13908
Calibration: 1139003

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1E13908-ICB1	Calcium	6.000	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	2.978	30.0	100	ug/L	U	SW6010B
	Lead	0.7515	1.50	3.00	ug/L	U	SW6010B
	Magnesium	3.680	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.1433	3.00	15.0	ug/L	U	SW6010B
	Potassium	14.26	1000	5000	ug/L	U	SW6010B
	Sodium	12.26	1000	5000	ug/L	U	SW6010B
1E13908-CCB1	Calcium	1.34	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	0.956	30.0	100	ug/L	U	SW6010B
	Lead	0.637	1.50	3.00	ug/L	U	SW6010B
	Magnesium	5.21	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.0945	3.00	15.0	ug/L	U	SW6010B
	Potassium	14.2	1000	5000	ug/L	U	SW6010B
	Sodium	7.13	1000	5000	ug/L	U	SW6010B
1E13908-CCB2	Calcium	15.6	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	1.13	30.0	100	ug/L	U	SW6010B
	Lead	0.375	1.50	3.00	ug/L	U	SW6010B
	Magnesium	12.8	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.201	3.00	15.0	ug/L	U	SW6010B
	Potassium	9.13	1000	5000	ug/L	U	SW6010B
	Sodium	13.5	1000	5000	ug/L	U	SW6010B
1E13307-BLK1	Calcium	20.6	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	6.34	30.0	100	ug/L	U	SW6010B
	Lead	-0.0547	1.50	3.00	ug/L	U	SW6010B
	Magnesium	10.7	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.250	3.00	15.0	ug/L	U	SW6010B
	Potassium	20.0	1000	5000	ug/L	U	SW6010B
	Sodium	11.9	1000	5000	ug/L	U	SW6010B
1E13908-CCB3	Calcium	4.07	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	0.767	30.0	100	ug/L	U	SW6010B
	Lead	1.12	1.50	3.00	ug/L	U	SW6010B
	Magnesium	2.46	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.145	3.00	15.0	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_012
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 1E13908
Calibration: 1139003

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1E13908-CCB3	Potassium	23.8	1000	5000	ug/L	U	SW6010B
	Sodium	6.50	1000	5000	ug/L	U	SW6010B
1E13908-CCB4	Calcium	2.97	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	0.395	30.0	100	ug/L	U	SW6010B
	Lead	-0.180	1.50	3.00	ug/L	U	SW6010B
	Magnesium	5.77	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.156	3.00	15.0	ug/L	U	SW6010B
	Potassium	3.88	1000	5000	ug/L	U	SW6010B
	Sodium	6.31	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_012
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 1E14201
Calibration: 1142003

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1E14201-ICB1	Calcium	3.930	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	2.255	30.0	100	ug/L	U	SW6010B
	Lead	-0.6816	1.50	3.00	ug/L	U	SW6010B
	Magnesium	6.200	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.09029	3.00	15.0	ug/L	U	SW6010B
	Potassium	9.450	1000	5000	ug/L	U	SW6010B
	Sodium	5.730	1000	5000	ug/L	U	SW6010B
1E14201-CCB1	Calcium	1.56	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	2.25	30.0	100	ug/L	U	SW6010B
	Lead	0.279	1.50	3.00	ug/L	U	SW6010B
	Magnesium	5.88	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.0992	3.00	15.0	ug/L	U	SW6010B
	Potassium	7.45	1000	5000	ug/L	U	SW6010B
	Sodium	-1.71	1000	5000	ug/L	U	SW6010B
1E19006-BLK1	Calcium	13.8	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	18.1	30.0	100	ug/L	U	SW6010B
	Lead	0.168	1.50	3.00	ug/L	U	SW6010B
	Magnesium	7.63	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.337	3.00	15.0	ug/L	U	SW6010B
	Potassium	17.8	1000	5000	ug/L	U	SW6010B
	Sodium	8.57	1000	5000	ug/L	U	SW6010B
1E14201-CCB2	Calcium	2.39	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	2.14	30.0	100	ug/L	U	SW6010B
	Lead	0.472	1.50	3.00	ug/L	U	SW6010B
	Magnesium	6.39	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.0905	3.00	15.0	ug/L	U	SW6010B
	Potassium	-16.7	1000	5000	ug/L	U	SW6010B
	Sodium	-3.04	1000	5000	ug/L	U	SW6010B
1E14201-CCB3	Calcium	-0.0700	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	1.35	30.0	100	ug/L	U	SW6010B
	Lead	-0.666	1.50	3.00	ug/L	U	SW6010B
	Magnesium	5.77	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.0170	3.00	15.0	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_012
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 1E14201
Calibration: 1142003

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1E14201-CCB3	Potassium	-2.32	1000	5000	ug/L	U	SW6010B
	Sodium	-6.28	1000	5000	ug/L	U	SW6010B

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_012
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 1139003
Sequence: 1E13908

Lab Sample ID	Analyte	True	Found	%R	Units
1E13908-IFA1	Calcium	500000	487,040.00	97.4	ug/L
	Iron (dissolved)	200000	191,820.00	95.9	ug/L
	Lead		7.52		ug/L
	Magnesium	500000	492,270.00	98.5	ug/L
	Manganese (dissolved)		4.79		ug/L
	Potassium		-67.23		ug/L
	Sodium		37.18		ug/L
1E13908-IFB1	Calcium	500000	492,430.00	98.5	ug/L
	Iron (dissolved)	200000	193,670.00	96.8	ug/L
	Lead	50.00	55.97	112	ug/L
	Magnesium	500000	494,880.00	99.0	ug/L
	Manganese (dissolved)	500.0	496.97	99.4	ug/L
	Potassium		-55.71		ug/L
	Sodium		69.19		ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_012
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 1142003
Sequence: 1E14201

Lab Sample ID	Analyte	True	Found	%R	Units
1E14201-IFA1	Calcium	500000	501,200.00	100	ug/L
	Iron (dissolved)	200000	189,350.00	94.7	ug/L
	Lead		11.00		ug/L
	Magnesium	500000	509,430.00	102	ug/L
	Manganese (dissolved)		4.83		ug/L
	Potassium		-64.73		ug/L
	Sodium		26.89		ug/L
1E14201-IFB1	Calcium	500000	476,810.00	95.4	ug/L
	Iron (dissolved)	200000	171,020.00	85.5	ug/L
	Lead	50.00	50.98	102	ug/L
	Magnesium	500000	470,870.00	94.2	ug/L
	Manganese (dissolved)	500.0	469.21	93.8	ug/L
	Potassium		-60.58		ug/L
	Sodium		21.05		ug/L

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E13307	Laboratory ID:	1E13307-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	5147	103	80 - 120
Iron (dissolved)	1000	1097	110	80 - 120
Lead	250.0	252.1	101	80 - 120
Magnesium	5000	4540	90.8	80 - 120
Manganese (dissolved)	500.0	532.1	106	80 - 120
Potassium	5000	5197	104	80 - 120
Sodium	5000	5377	108	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E19006	Laboratory ID:	1E19006-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	5157	103	80 - 120
Iron (dissolved)	1000	1015	101	80 - 120
Lead	250.0	237.7	95.1	80 - 120
Magnesium	5000	4496	89.9	80 - 120
Manganese (dissolved)	500.0	527.1	105	80 - 120
Potassium	5000	4879	97.6	80 - 120
Sodium	5000	4871	97.4	80 - 120

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC **SDG:** Kirtland_012

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_012

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
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
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
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
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
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
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
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_012

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
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
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
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
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
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
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
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_012

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
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
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
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
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
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
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
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_012

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
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
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
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
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
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
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
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_012

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
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
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
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
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
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
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
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_012

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				
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				
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				
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				
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				
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				
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				
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_012

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
Calcium	15	500000	P
Calcium	15	500000	P
Iron	15	500000	P
Iron	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
Lead	15	10000	P
Lead	15	10000	P
Magnesium	15	500000	P
Magnesium	15	500000	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
Manganese	15	10000	P
Manganese	15	10000	P
Potassium	15	100000	P
Potassium	15	100000	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
Sodium	15	500000	P
Sodium	15	500000	P

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Batch: 1E13307 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0060	1105082-01	05/13/11 09:28	50.00	50.00
GW0060	1105082-02	05/13/11 09:28	50.00	50.00
GW0085	1105093-01	05/13/11 09:28	50.00	50.00
GW0085	1105093-02	05/13/11 09:28	50.00	50.00
GW0086	1105093-03	05/13/11 09:28	50.00	50.00
GW0086	1105093-04	05/13/11 09:28	50.00	50.00
Blank	1E13307-BLK1	05/13/11 09:28	50.00	50.00
Blank	1E13307-BLK1	05/13/11 09:28	50.00	50.00
LCS	1E13307-BS1	05/13/11 09:28	50.00	50.00
LCS	1E13307-BS1	05/13/11 09:28	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Batch: 1E19006 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0087	1105113-01	05/19/11 10:30	50.00	50.00
GW0087	1105113-02	05/19/11 10:30	50.00	50.00
GW0088	1105113-03RE1	05/19/11 10:30	50.00	50.00
GW0088	1105113-04	05/19/11 10:30	50.00	50.00
GW0099	1105122-01	05/19/11 10:30	50.00	50.00
GW0099	1105122-02	05/19/11 10:30	50.00	50.00
GW0049	1105137-01	05/19/11 10:30	50.00	50.00
GW0049	1105137-02	05/19/11 10:30	50.00	50.00
GW0055	1105137-03	05/19/11 10:30	50.00	50.00
GW0055	1105137-04	05/19/11 10:30	50.00	50.00
Blank	1E19006-BLK1	05/19/11 10:30	50.00	50.00
Blank	1E19006-BLK1	05/19/11 10:30	50.00	50.00
LCS	1E19006-BS1	05/19/11 10:30	50.00	50.00
LCS	1E19006-BS1	05/19/11 10:30	50.00	50.00

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E13908	Instrument:	ME-ICP
Calibration:	1139003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1E13908-CAL1	051711A-001	05/17/11 12:45
Cal Standard	1E13908-CAL1	051711A-001	05/17/11 12:45
Cal Standard	1E13908-CAL2	051711A-002	05/17/11 12:49
Cal Standard	1E13908-CAL2	051711A-002	05/17/11 12:49
Cal Standard	1E13908-CAL3	051711A-003	05/17/11 12:53
Cal Standard	1E13908-CAL3	051711A-003	05/17/11 12:53
Cal Standard	1E13908-CAL4	051711A-004	05/17/11 12:58
Cal Standard	1E13908-CAL5	051711A-005	05/17/11 13:02
Cal Standard	1E13908-CAL5	051711A-005	05/17/11 13:02
Cal Standard	1E13908-CAL6	051711A-006	05/17/11 13:07
Cal Standard	1E13908-CAL6	051711A-006	05/17/11 13:07
Cal Standard	1E13908-CAL7	051711A-007	05/17/11 13:12
Cal Standard	1E13908-CAL8	051711A-008	05/17/11 13:17
Initial Cal Check	1E13908-ICV1	051711B-001	05/17/11 13:48
Initial Cal Check	1E13908-ICV1	051711B-001	05/17/11 13:48
Initial Cal Blank	1E13908-ICB1	051711B-002	05/17/11 13:56
Initial Cal Blank	1E13908-ICB1	051711B-002	05/17/11 13:56
Instrument RL Check	1E13908-CRL1	051711B-003	05/17/11 14:00
Instrument RL Check	1E13908-CRL1	051711B-003	05/17/11 14:00
Interference Check A	1E13908-IFA1	051711B-006	05/17/11 14:14
Interference Check A	1E13908-IFA1	051711B-006	05/17/11 14:14
Interference Check B	1E13908-IFB1	051711B-007	05/17/11 14:20
Interference Check B	1E13908-IFB1	051711B-007	05/17/11 14:20
Calibration Check	1E13908-CCV1	051711B-009	05/17/11 14:32
Calibration Check	1E13908-CCV1	051711B-009	05/17/11 14:32
Calibration Blank	1E13908-CCB1	051711B-010	05/17/11 14:39
Calibration Blank	1E13908-CCB1	051711B-010	05/17/11 14:39
Calibration Check	1E13908-CCV2	051711B-015	05/17/11 15:05
Calibration Check	1E13908-CCV2	051711B-015	05/17/11 15:05
Calibration Blank	1E13908-CCB2	051711B-016	05/17/11 15:12
Calibration Blank	1E13908-CCB2	051711B-016	05/17/11 15:12
Blank	1E13307-BLK1	051711C-001	05/17/11 15:18

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E13908	Instrument:	ME-ICP
Calibration:	1139003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Blank	1E13307-BLK1	051711C-001	05/17/11 15:18
LCS	1E13307-BS1	051711C-002	05/17/11 15:23
LCS	1E13307-BS1	051711C-002	05/17/11 15:23
GW0060	1105082-01	051711C-010	05/17/11 16:01
GW0060	1105082-02	051711C-011	05/17/11 16:06
Calibration Check	1E13908-CCV3	051711C-017	05/17/11 16:35
Calibration Check	1E13908-CCV3	051711C-017	05/17/11 16:35
Calibration Blank	1E13908-CCB3	051711C-018	05/17/11 16:42
Calibration Blank	1E13908-CCB3	051711C-018	05/17/11 16:42
GW0085	1105093-01	051711C-022	05/17/11 17:00
GW0085	1105093-02	051711C-023	05/17/11 17:05
GW0086	1105093-03	051711C-024	05/17/11 17:09
GW0086	1105093-04	051711C-025	05/17/11 17:14
Calibration Check	1E13908-CCV4	051711C-026	05/17/11 17:20
Calibration Check	1E13908-CCV4	051711C-026	05/17/11 17:20
Calibration Blank	1E13908-CCB4	051711C-027	05/17/11 17:27
Calibration Blank	1E13908-CCB4	051711C-027	05/17/11 17:27

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E14201	Instrument:	ME-ICP
Calibration:	1142003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1E14201-CAL1	052011A-001	05/20/11 08:46
Cal Standard	1E14201-CAL1	052011A-001	05/20/11 08:46
Cal Standard	1E14201-CAL2	052011A-002	05/20/11 08:50
Cal Standard	1E14201-CAL2	052011A-002	05/20/11 08:50
Cal Standard	1E14201-CAL3	052011A-003	05/20/11 08:54
Cal Standard	1E14201-CAL3	052011A-003	05/20/11 08:54
Cal Standard	1E14201-CAL4	052011A-004	05/20/11 08:58
Cal Standard	1E14201-CAL5	052011A-005	05/20/11 09:03
Cal Standard	1E14201-CAL5	052011A-005	05/20/11 09:03
Cal Standard	1E14201-CAL6	052011A-006	05/20/11 09:07
Cal Standard	1E14201-CAL6	052011A-006	05/20/11 09:07
Cal Standard	1E14201-CAL7	052011A-007	05/20/11 09:12
Cal Standard	1E14201-CAL8	052011A-008	05/20/11 09:17
Initial Cal Check	1E14201-ICV1	052011B-001	05/20/11 09:52
Initial Cal Check	1E14201-ICV1	052011B-001	05/20/11 09:52
Initial Cal Blank	1E14201-ICB1	052011B-002	05/20/11 09:59
Initial Cal Blank	1E14201-ICB1	052011B-002	05/20/11 09:59
Instrument RL Check	1E14201-CRL1	052011B-003	05/20/11 10:04
Instrument RL Check	1E14201-CRL1	052011B-003	05/20/11 10:04
Interference Check A	1E14201-IFA1	052011C-001	05/20/11 10:35
Interference Check A	1E14201-IFA1	052011C-001	05/20/11 10:35
Interference Check B	1E14201-IFB1	052011D-001	05/20/11 10:55
Interference Check B	1E14201-IFB1	052011D-001	05/20/11 10:55
Calibration Check	1E14201-CCV1	052011E-002	05/20/11 11:06
Calibration Check	1E14201-CCV1	052011E-002	05/20/11 11:06
Calibration Blank	1E14201-CCB1	052011E-003	05/20/11 11:13
Calibration Blank	1E14201-CCB1	052011E-003	05/20/11 11:13
Blank	1E19006-BLK1	052011E-004	05/20/11 11:18
Blank	1E19006-BLK1	052011E-004	05/20/11 11:18
LCS	1E19006-BS1	052011E-005	05/20/11 11:22
LCS	1E19006-BS1	052011E-005	05/20/11 11:22
GW0087	1105113-01	052011E-014	05/20/11 12:06

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E14201	Instrument:	ME-ICP
Calibration:	1142003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0087	1105113-02	052011E-015	05/20/11 12:10
GW0088	1105113-04	052011E-017	05/20/11 12:19
GW0099	1105122-01	052011E-018	05/20/11 12:24
GW0099	1105122-02	052011E-019	05/20/11 12:28
GW0088	1105113-03RE1	052011E-020	05/20/11 12:34
Calibration Check	1E14201-CCV2	052011E-021	05/20/11 12:40
Calibration Check	1E14201-CCV2	052011E-021	05/20/11 12:40
Calibration Blank	1E14201-CCB2	052011E-022	05/20/11 12:47
Calibration Blank	1E14201-CCB2	052011E-022	05/20/11 12:47
GW0049	1105137-01	052011E-023	05/20/11 12:51
GW0049	1105137-02	052011E-024	05/20/11 12:56
GW0055	1105137-03	052011E-025	05/20/11 13:01
GW0055	1105137-04	052011E-026	05/20/11 13:06
Calibration Check	1E14201-CCV3	052011E-034	05/20/11 13:51
Calibration Check	1E14201-CCV3	052011E-034	05/20/11 13:51
Calibration Blank	1E14201-CCB3	052011E-035	05/20/11 13:55
Calibration Blank	1E14201-CCB3	052011E-035	05/20/11 13:55

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1139003	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	5/17/11_12:45 5/17/11_13:17

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	1.8396E-05	10100	1.873069E-05			500000	1.8616E-05		
Antimony	0	0	100	0.0008761	1010	9.063069E-04					10000	9.4409E-04
Arsenic	0	0	100	0.000377	1010	3.983465E-04					10000	4.0082E-04
Barium	0	0	50	0.0133288	1010	1.308119E-02	5000	0.0135846				
Beryllium	0	0	100	0.0028156	1010	2.732772E-03					10000	0.0026236
Boron	0	0	50	0.0000134	1010	1.359406E-05					5000	1.3282E-05
Cadmium	0	0	100	0.016909	1010	1.640693E-02					10000	0.016427
Calcium	0	0	1100	3.904546E-05	50500	3.757822E-05					10000	
Chromium	0	0	100	0.0000379	1010	3.555445E-05					10000	3.6355E-05
Cobalt	0	0	100	0.0070519	1010	6.847822E-03					10000	0.0072304
Copper	0	0	100	0.0000863	1010	8.169307E-05					10000	8.1734E-05
Iron	0	0	5100	1.533137E-05	10100	1.427426E-05			500000	1.43458E-05	10000	
Lead	0	0	100	0.0015161	1010	1.478218E-03					10000	0.0015443
Magnesium	0	0	5100		50500	1.573267E-06			500000	1.70288E-06	10000	
Manganese	0	0	100	0.0002452	1010	2.327228E-04	10000	2.2312E-04			10000	
Molybdenum	0	0	100	0.0045698	1010	4.561584E-03					10000	0.0046483
Nickel	0	0	100	0.0038546	1010	3.631881E-03					10000	0.0037291
Potassium	0	0	1000	9.56E-06	10100	9.774258E-06						
Selenium	0	0	100	0.0005237	1010	5.109901E-04					10000	5.1542E-04
Silver	0	0	20	0.0000545	505	5.144554E-05	2000	5.217E-05				
Sodium	0	0	1000		50500	4.333069E-05						
Strontium	0	0	100	0.001654	1010	1.592079E-03					10000	0.00159
Thallium	0	0	100	0.0009174	1010	9.221287E-04					10000	9.7312E-04
Tin	0	0	50	0.0014126	10	0.14174					5000	0.0014443
Titanium	0	0	100	0.000218	1010	2.073465E-04					10000	2.1156E-04
Vanadium	0	0	100	0.0000449	1010	4.219802E-05					10000	4.2136E-05
Zinc	0	0	100	0.0063928	1010	6.255347E-03					10000	0.0063461
Aluminum	0	0	5000	1.8396E-05	10100	1.873069E-05			500000	1.8616E-05		
Antimony	0	0	100	0.0008761	1010	9.063069E-04					10000	9.4409E-04
Arsenic	0	0	100	0.000377	1010	3.983465E-04					10000	4.0082E-04
Barium	0	0	50	0.0133288	1010	1.308119E-02	5000	0.0135846				

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1139003	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	5/17/11_12:45 5/17/11_13:17

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	0.0028156	1010	2.732772E-03					10000	0.0026236
Boron	0	0	50	0.0000134	1010	1.359406E-05					5000	1.3282E-05
Cadmium	0	0	100	0.016909	1010	1.640693E-02					10000	0.016427
Calcium	0	0	1100	3.904546E-05	50500	3.757822E-05					10000	
Chromium	0	0	100	0.0000379	1010	3.555445E-05					10000	3.6355E-05
Cobalt	0	0	100	0.0070519	1010	6.847822E-03					10000	0.0072304
Copper	0	0	100	0.0000863	1010	8.169307E-05					10000	8.1734E-05
Iron	0	0	5100	1.533137E-05	10100	1.427426E-05			500000	1.43458E-05	10000	
Lead	0	0	100	0.0015161	1010	1.478218E-03					10000	0.0015443
Magnesium	0	0	5100		50500	1.573267E-06			500000	1.70288E-06	10000	
Manganese	0	0	100	0.0002452	1010	2.327228E-04	10000	2.2312E-04			10000	
Molybdenum	0	0	100	0.0045698	1010	4.561584E-03					10000	0.0046483
Nickel	0	0	100	0.0038546	1010	3.631881E-03					10000	0.0037291
Potassium	0	0	1000	9.56E-06	10100	9.774258E-06						
Selenium	0	0	100	0.0005237	1010	5.109901E-04					10000	5.1542E-04
Silver	0	0	20	0.0000545	505	5.144554E-05	2000	5.217E-05				
Sodium	0	0	1000		50500	4.333069E-05						
Strontium	0	0	100	0.001654	1010	1.592079E-03					10000	0.00159
Thallium	0	0	100	0.0009174	1010	9.221287E-04					10000	9.7312E-04
Tin	0	0	50	0.0014126	10	0.14174					5000	0.0014443
Titanium	0	0	100	0.000218	1010	2.073465E-04					10000	2.1156E-04
Vanadium	0	0	100	0.0000449	1010	4.219802E-05					10000	4.2136E-05
Zinc	0	0	100	0.0063928	1010	6.255347E-03					10000	0.0063461

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1139003	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	5/17/11 12:45 5/17/11 13:17

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	3.6828E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	1.6328E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	9.8489E-06										
Selenium												
Silver												
Sodium	100000	4.3907E-05	500000	4.2644E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												
Aluminum												
Antimony												
Arsenic												
Barium												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1139003	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	5/17/11 12:45 5/17/11 13:17

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	3.6828E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	1.6328E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	9.8489E-06										
Selenium												
Silver												
Sodium	100000	4.3907E-05	500000	4.2644E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1139003	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	5/17/11 12:45 5/17/11 13:17

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.393567E-05	66.67413	5.455715	178.6528	1		0.998	
Antimony	6.816242E-04	66.79143	2.1718	118.4464	0.9999866		0.998	
Arsenic	2.940416E-04	66.7658	2.996955	143.8798	0.9999999		0.998	
Barium	9.998647E-03	66.69835	3.482362	169.9441	0.9999395		0.998	
Beryllium	2.042993E-03	66.77767	26.42307	197.6488	0.9999845		0.998	
Boron	1.006901E-05	66.67894	2.906978	159.5577	0.999977		0.998	
Cadmium	1.243573E-02	66.6928	3.833077	170.4049	0.9999999		0.998	
Calcium	2.836292E-05	66.74568	1.203888	124.6818	0.999996		0.998	
Chromium	2.745236E-05	66.76092	6.375737	189.3969	0.9999941		0.998	
Cobalt	5.28253E-03	66.7323	3.34436	160.9273	0.9999721		0.998	
Copper	6.243177E-05	66.75656	0.8925	90.85933	0.9999997		0.998	
Iron	1.098786E-05	66.81103	11.9002	193.5679	0.9999995		0.998	
Lead	1.134654E-03	66.70938	18.35522	192.8255	0.9999818		0.998	
Magnesium	1.227237E-06	66.80624	37.40638	197.4256	0.9999188		0.998	
Manganese	1.752607E-04	66.86588	3.274357	172.737	0.999984		0.998	
Molybdenum	3.444921E-03	66.67632	12.17673	190.9001	0.9999967		0.998	
Nickel	2.803895E-03	66.74592	1.170402	92.33464	0.9999913		0.998	
Potassium	7.295789E-06	66.68779	3.453045	166.74	0.9999993		0.998	
Selenium	3.875275E-04	66.68052	2.95495	129.1871	0.9999988		0.998	
Silver	3.952889E-05	66.74812	7.218485	185.1672	0.9999837		0.998	
Sodium	3.247042E-05	66.68563	1.751367	67.85281	0.9999664		0.998	
Strontium	1.20902E-03	66.71187	1.36585	118.3933	0.9999999		0.998	
Thallium	7.031622E-04	66.76312	6.514285	182.7327	0.9999753		0.998	
Tin	3.614923E-02	194.7402	13.29724	188.2555	0.9627452		0.998	*
Titanium	1.592266E-04	66.72343	2.78086	183.1851	0.9999951		0.998	
Vanadium	3.23085E-05	66.78587	1.515103	146.4369	0.9999998		0.998	
Zinc	4.748562E-03	66.6775	53.7999	197.8085	0.9999978		0.998	
Aluminum	1.393567E-05	66.67413	5.455715	178.6528	1		0.998	
Antimony	6.816242E-04	66.79143	2.1718	118.4464	0.9999866		0.998	
Arsenic	2.940416E-04	66.7658	2.996955	143.8798	0.9999999		0.998	
Barium	9.998647E-03	66.69835	3.482362	169.9441	0.9999395		0.998	
Beryllium	2.042993E-03	66.77767	26.42307	197.6488	0.9999845		0.998	

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_012	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1139003		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	5/17/11 12:45	5/17/11 13:17

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Boron	1.006901E-05	66.67894	2.906978	159.5577	0.999977		0.998	
Cadmium	1.243573E-02	66.6928	3.833077	170.4049	0.9999999		0.998	
Calcium	2.836292E-05	66.74568	1.203888	124.6818	0.999996		0.998	
Chromium	2.745236E-05	66.76092	6.375737	189.3969	0.9999941		0.998	
Cobalt	5.28253E-03	66.7323	3.34436	160.9273	0.9999721		0.998	
Copper	6.243177E-05	66.75656	0.8925	90.85933	0.9999997		0.998	
Iron	1.098786E-05	66.81103	11.9002	193.5679	0.9999995		0.998	
Lead	1.134654E-03	66.70938	18.35522	192.8255	0.9999818		0.998	
Magnesium	1.227237E-06	66.80624	37.40638	197.4256	0.9999188		0.998	
Manganese	1.752607E-04	66.86588	3.274357	172.737	0.999984		0.998	
Molybdenum	3.444921E-03	66.67632	12.17673	190.9001	0.9999967		0.998	
Nickel	2.803895E-03	66.74592	1.170402	92.33464	0.9999913		0.998	
Potassium	7.295789E-06	66.68779	3.453045	166.74	0.9999993		0.998	
Selenium	3.875275E-04	66.68052	2.95495	129.1871	0.9999988		0.998	
Silver	3.952889E-05	66.74812	7.218485	185.1672	0.9999837		0.998	
Sodium	3.247042E-05	66.68563	1.751367	67.85281	0.9999664		0.998	
Strontium	1.20902E-03	66.71187	1.36585	118.3933	0.9999999		0.998	
Thallium	7.031622E-04	66.76312	6.514285	182.7327	0.9999753		0.998	
Tin	3.614923E-02	194.7402	13.29724	188.2555	0.9627452		0.998	*
Titanium	1.592266E-04	66.72343	2.78086	183.1851	0.9999951		0.998	
Vanadium	3.23085E-05	66.78587	1.515103	146.4369	0.9999998		0.998	
Zinc	4.748562E-03	66.6775	53.7999	197.8085	0.9999978		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1142003	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	5/20/11 8:46 5/20/11 9:17

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	1.836E-05	10100	1.856832E-05			500000	1.88236E-05		
Antimony	0	0	100	0.0008205	1010	8.439307E-04					10000	8.332501E-04
Arsenic	0	0	100	0.0003888	1010	4.066832E-04					10000	4.0468E-04
Barium	0	0	50	0.0131438	1010	1.294455E-02	5000	0.0134342				
Beryllium	0	0	100	0.0027138	1010	2.742277E-03					10000	0.0026173
Boron	0	0	50	0.0000132	1010	1.424752E-05					5000	1.437E-05
Cadmium	0	0	100	0.01599	1010	1.546436E-02					10000	0.01453
Calcium	0	0	1100	4.080909E-05	50500	4.043961E-05					10000	
Chromium	0	0	100	0.0000372	1010	3.690099E-05					10000	3.8305E-05
Cobalt	0	0	100	0.0067532	1010	6.549901E-03					10000	0.0066366
Copper	0	0	100	0.000083	1010	7.931683E-05					10000	7.8622E-05
Iron	0	0	5100	1.421177E-05	10100	1.392178E-05			500000	1.28274E-05	10000	
Lead	0	0	100	0.0014776	1010	1.440594E-03					10000	0.0014617
Magnesium	0	0	5100		50500	1.61505E-06			500000	1.68582E-06	10000	
Manganese	0	0	100	0.0002486	1010	2.440693E-04	10000	2.3494E-04			10000	
Molybdenum	0	0	100	0.0046013	1010	4.57396E-03					10000	0.0045791
Nickel	0	0	100	0.00389	1010	3.681188E-03					10000	0.0037312
Potassium	0	0	1000	9.08E-06	10100	9.412871E-06						
Selenium	0	0	100	0.0005166	1010	5.064158E-04					10000	5.0011E-04
Silver	0	0	20	0.0000555	505	5.225742E-05	2000	5.3685E-05				
Sodium	0	0	1000		50500	4.152079E-05						
Strontium	0	0	100	0.001595	1010	1.59604E-03					10000	0.0016
Thallium	0	0	100	0.0008454	1010	8.447129E-04					10000	8.3738E-04
Tin	0	0	50	0.0013886	10	0.14271					5000	0.0014161
Titanium	0	0	100	0.0002144	1010	2.093267E-04					10000	0.0002143
Vanadium	0	0	100	0.0000445	1010	4.414851E-05					10000	4.5375E-05
Zinc	0	0	100	0.0065066	1010	6.366931E-03					10000	0.0062854
Aluminum	0	0	5000	1.836E-05	10100	1.856832E-05			500000	1.88236E-05		
Antimony	0	0	100	0.0008205	1010	8.439307E-04					10000	8.332501E-04
Arsenic	0	0	100	0.0003888	1010	4.066832E-04					10000	4.0468E-04
Barium	0	0	50	0.0131438	1010	1.294455E-02	5000	0.0134342				

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1142003	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	5/20/11 8:46 5/20/11 9:17

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	0.0027138	1010	2.742277E-03					10000	0.0026173
Boron	0	0	50	0.0000132	1010	1.424752E-05					5000	1.437E-05
Cadmium	0	0	100	0.01599	1010	1.546436E-02					10000	0.01453
Calcium	0	0	1100	4.080909E-05	50500	4.043961E-05					10000	
Chromium	0	0	100	0.0000372	1010	3.690099E-05					10000	3.8305E-05
Cobalt	0	0	100	0.0067532	1010	6.549901E-03					10000	0.0066366
Copper	0	0	100	0.000083	1010	7.931683E-05					10000	7.8622E-05
Iron	0	0	5100	1.421177E-05	10100	1.392178E-05			500000	1.28274E-05	10000	
Lead	0	0	100	0.0014776	1010	1.440594E-03					10000	0.0014617
Magnesium	0	0	5100		50500	1.61505E-06			500000	1.68582E-06	10000	
Manganese	0	0	100	0.0002486	1010	2.440693E-04	10000	2.3494E-04			10000	
Molybdenum	0	0	100	0.0046013	1010	4.57396E-03					10000	0.0045791
Nickel	0	0	100	0.00389	1010	3.681188E-03					10000	0.0037312
Potassium	0	0	1000	9.08E-06	10100	9.412871E-06						
Selenium	0	0	100	0.0005166	1010	5.064158E-04					10000	5.0011E-04
Silver	0	0	20	0.0000555	505	5.225742E-05	2000	5.3685E-05				
Sodium	0	0	1000		50500	4.152079E-05						
Strontium	0	0	100	0.001595	1010	1.59604E-03					10000	0.0016
Thallium	0	0	100	0.0008454	1010	8.447129E-04					10000	8.3738E-04
Tin	0	0	50	0.0013886	10	0.14271					5000	0.0014161
Titanium	0	0	100	0.0002144	1010	2.093267E-04					10000	0.0002143
Vanadium	0	0	100	0.0000445	1010	4.414851E-05					10000	4.5375E-05
Zinc	0	0	100	0.0065066	1010	6.366931E-03					10000	0.0062854

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1142003	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	5/20/11 8:46 5/20/11 9:17

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	3.9658E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	1.6337E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	9.7678E-06										
Selenium												
Silver												
Sodium	100000	4.0772E-05	500000	4.0908E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												
Aluminum												
Antimony												
Arsenic												
Barium												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1142003	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	5/20/11 8:46 5/20/11 9:17

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	3.9658E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	1.6337E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	9.7678E-06										
Selenium												
Silver												
Sodium	100000	4.0772E-05	500000	4.0908E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1142003	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	5/20/11 8:46 5/20/11 9:17

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.393798E-05	66.68054	9.69872	187.8048	0.9999999		0.998	
Antimony	6.244202E-04	66.68431	8.91903	185.4459	0.9999979		0.998	
Arsenic	3.000408E-04	66.71997	8.75138	188.2523	0.9999992		0.998	
Barium	9.880639E-03	66.69771	3.382437	146.3895	0.9999417		0.998	
Beryllium	2.018344E-03	66.71932	5.927373	184.5063	0.9999781		0.998	
Boron	1.045438E-05	66.85559	17.97761	196.4784	0.999997		0.998	
Cadmium	1.149609E-02	66.87322	4.532398	175.1683	0.9999626		0.998	
Calcium	3.022667E-05	66.68558	2.665115	156.6198	0.9999962		0.998	
Chromium	2.81015E-05	66.70128	4.93003	178.0074	0.9999872		0.998	
Cobalt	4.984925E-03	66.68761	5.234415	183.0239	0.9999979		0.998	
Copper	6.023471E-05	66.74291	0.71778	55.16263	0.9999998		0.998	
Iron	1.024024E-05	66.92032	15.20424	192.0572	0.9999979		0.998	
Lead	1.094974E-03	66.68101	7.57528	182.9022	0.9999976		0.998	
Magnesium	1.233642E-06	66.71088	386.9287	199.6701	0.9999615		0.998	
Manganese	1.819023E-04	66.73979	6.40216	173.334	0.9999863		0.998	
Molybdenum	3.43859E-03	66.66756	11.96574	193.4655	1		0.998	
Nickel	2.825597E-03	66.74107	2.311277	164.3521	0.9999971		0.998	
Potassium	7.065168E-06	66.78506	1.794223	135.9542	0.9999927		0.998	
Selenium	3.807815E-04	66.69053	4.007405	170.169	0.9999991		0.998	
Silver	4.036061E-05	66.74767	4.96359	159.6802	0.999945		0.998	
Sodium	3.08002E-05	66.67505	1.83854	112.7846	0.9999962		0.998	
Strontium	1.19776E-03	66.6669	1.136925	102.359	0.9999999		0.998	
Thallium	6.318732E-04	66.66914	6.767388	182.7042	0.9999991		0.998	
Tin	3.637867E-02	194.8687	35.93336	197.5855	0.9606386		0.998	*
Titanium	1.595067E-04	66.68319	2.165842	169.5299	0.9999943		0.998	
Vanadium	3.350588E-05	66.68443	4.081945	183.4034	0.9999926		0.998	
Zinc	4.789733E-03	66.69393	18.36522	194.9595	0.9999986		0.998	
Aluminum	1.393798E-05	66.68054	9.69872	187.8048	0.9999999		0.998	
Antimony	6.244202E-04	66.68431	8.91903	185.4459	0.9999979		0.998	
Arsenic	3.000408E-04	66.71997	8.75138	188.2523	0.9999992		0.998	
Barium	9.880639E-03	66.69771	3.382437	146.3895	0.9999417		0.998	
Beryllium	2.018344E-03	66.71932	5.927373	184.5063	0.9999781		0.998	

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_012	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1142003		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	5/20/11 8:46	5/20/11 9:17

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Boron	1.045438E-05	66.85559	17.97761	196.4784	0.999997		0.998	
Cadmium	1.149609E-02	66.87322	4.532398	175.1683	0.9999626		0.998	
Calcium	3.022667E-05	66.68558	2.665115	156.6198	0.9999962		0.998	
Chromium	2.81015E-05	66.70128	4.93003	178.0074	0.9999872		0.998	
Cobalt	4.984925E-03	66.68761	5.234415	183.0239	0.9999979		0.998	
Copper	6.023471E-05	66.74291	0.71778	55.16263	0.9999998		0.998	
Iron	1.024024E-05	66.92032	15.20424	192.0572	0.9999979		0.998	
Lead	1.094974E-03	66.68101	7.57528	182.9022	0.9999976		0.998	
Magnesium	1.233642E-06	66.71088	386.9287	199.6701	0.9999615		0.998	
Manganese	1.819023E-04	66.73979	6.40216	173.334	0.9999863		0.998	
Molybdenum	3.43859E-03	66.66756	11.96574	193.4655	1		0.998	
Nickel	2.825597E-03	66.74107	2.311277	164.3521	0.9999971		0.998	
Potassium	7.065168E-06	66.78506	1.794223	135.9542	0.9999927		0.998	
Selenium	3.807815E-04	66.69053	4.007405	170.169	0.9999991		0.998	
Silver	4.036061E-05	66.74767	4.96359	159.6802	0.999945		0.998	
Sodium	3.08002E-05	66.67505	1.83854	112.7846	0.9999962		0.998	
Strontium	1.19776E-03	66.6669	1.136925	102.359	0.9999999		0.998	
Thallium	6.318732E-04	66.66914	6.767388	182.7042	0.9999991		0.998	
Tin	3.637867E-02	194.8687	35.93336	197.5855	0.9606386		0.998	*
Titanium	1.595067E-04	66.68319	2.165842	169.5299	0.9999943		0.998	
Vanadium	3.350588E-05	66.68443	4.081945	183.4034	0.9999926		0.998	
Zinc	4.789733E-03	66.69393	18.36522	194.9595	0.9999986		0.998	

Data for Wet Chemistry Forms

ANALYSIS DATA SHEET

GW0060

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105082-01
Sampled:	05/09/11 12:07	Received:	05/10/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.0600	0.150	0.300	1	U	SM4500NH3BG	1E19009	05/20/11 13:13
18496-25-8	Sulfide		0.690	1.72	3.45	0.69	U	SM4500S2CF	1E16003	05/16/11 11:59
10-09-3	Alkalinity, Bicarbonate (as CACO3)	116	1.00	1.00	1.00	1		SM2320B	1E19012	05/19/11 15:17
16887-00-6	Chloride	11.5	0.170	0.330	1.00	1	M	E300.0	1E10019	05/10/11 20:28
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1E19012	05/19/11 15:17
14797-55-8	Nitrate as N		0.0330	0.100	0.200	1	U	E300.0	1E10019	05/10/11 20:28
14808-79-8	Sulfate as SO4	32.8	0.330	1.00	2.50	1	M	E300.0	1E10019	05/10/11 20:28

ANALYSIS DATA SHEET

GW0085

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Ground Water
Sampled: 05/10/11 13:31
% Solids: 0.00

SDG: Kirtland_012
Project: Kirtland AFB 2011
Laboratory ID: 1105093-01
Received: 05/11/11 09:00

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	1E23004	05/25/11 19:32
18496-25-8	Sulfide		0.690	1.72	3.45	0.69	U	SM4500S2CF	1E16003	05/16/11 12:03
10-09-3	Alkalinity, Bicarbonate (as CACO3)	108	1.00	1.00	1.00	1		SM2320B	1E24001	05/24/11 12:35
16887-00-6	Chloride	7.30	0.170	0.330	1.00	1	M	E300.0	1E11026	05/11/11 17:56
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1E24001	05/24/11 12:35
14797-55-8	Nitrate as N	0.0880	0.0330	0.100	0.200	1	J	E300.0	1E11026	05/11/11 17:56
14808-79-8	Sulfate as SO4	27.1	0.330	1.00	2.50	1	M	E300.0	1E11026	05/11/11 17:56

ANALYSIS DATA SHEET

GW0086

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Ground Water	Laboratory ID:	1105093-03
Sampled:	05/10/11 13:31	Received:	05/11/11 09:00
% 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	1E23004	05/25/11 19:33
18496-25-8	Sulfide		0.678	1.69	3.39	0.68	U	SM4500S2CF	1E16003	05/16/11 12:04
10-09-3	Alkalinity, Bicarbonate (as CACO3)	109	1.00	1.00	1.00	1		SM2320B	1E24001	05/24/11 12:48
16887-00-6	Chloride	7.32	0.170	0.330	1.00	1	M	E300.0	1E11026	05/11/11 18:13
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1E24001	05/24/11 12:48
14797-55-8	Nitrate as N	0.0850	0.0330	0.100	0.200	1	J	E300.0	1E11026	05/11/11 18:13
14808-79-8	Sulfate as SO4	27.1	0.330	1.00	2.50	1	M	E300.0	1E11026	05/11/11 18:13

ANALYSIS DATA SHEET

GW0087

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Ground Water
Sampled: 05/11/11 13:58
% Solids: 0.00

SDG: Kirtland_012
Project: Kirtland AFB 2011
Laboratory ID: 1105113-01
Received: 05/12/11 09:00

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
14797-55-8	Nitrate as N	0.837	0.250	0.750	1.50	1	J	E353.2-SM4500NO2B	[CALC]	05/27/11 19:48
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	1E23004	05/25/11 19:34
18496-25-8	Sulfide		0.678	1.69	3.39	0.68	U	SM4500S2CF	1E16003	05/16/11 12:04
10-09-3	Alkalinity, Bicarbonate (as CACO3)	106	1.00	1.00	1.00	1		SM2320B	1E25001	05/25/11 11:00
16887-00-6	Chloride	11.7	0.170	0.330	1.00	1	M	E300.0	1E17017	05/18/11 03:54
NA	Nitrate/Nitrite as N	0.837	0.250	0.750	1.50	1	J	E353.2	1E27023	05/27/11 19:48
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1E25001	05/25/11 11:00
14797-65-0	Nitrite as N		0.00330	0.0100	0.0100	1	U	SM4500NO2B	1E24012	05/13/11 09:58
14808-79-8	Sulfate as SO4	31.9	0.330	1.00	2.50	1	M	E300.0	1E17017	05/18/11 03:54

ANALYSIS DATA SHEET

GW0088

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Ground Water
Sampled: 05/11/11 10:03
% Solids: 0.00

SDG: Kirtland_012
Project: Kirtland AFB 2011
Laboratory ID: 1105113-03
Received: 05/12/11 09:00

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
14797-55-8	Nitrate as N		0.250	0.750	1.50	1	U	E353.2-SM4500NO2B	[CALC]	05/27/11 19:49
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	1E23004	05/25/11 19:35
18496-25-8	Sulfide		0.678	1.69	3.39	0.68	U	SM4500S2CF	1E16003	05/16/11 12:05
10-09-3	Alkalinity, Bicarbonate (as CACO3)	120	1.00	1.00	1.00	1		SM2320B	1E25001	05/25/11 11:22
16887-00-6	Chloride	13.1	0.170	0.330	1.00	1	M	E300.0	1E17017	05/18/11 04:11
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	1E27023	05/27/11 19:49
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1E25001	05/25/11 11:22
14797-65-0	Nitrite as N		0.00330	0.0100	0.0100	1	U	SM4500NO2B	1E24012	05/13/11 09:58
14808-79-8	Sulfate as SO4	32.5	0.330	1.00	2.50	1	M	E300.0	1E17017	05/18/11 04:11

ANALYSIS DATA SHEET

GW0099

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 05/12/11 13:42
% Solids: 0.00

SDG: Kirtland_012
Project: Kirtland AFB 2011
Laboratory ID: 1105122-01
Received: 05/13/11 09:00

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	1E23004	05/25/11 19:36
18496-25-8	Sulfide		0.727	1.82	3.64	0.73	U	SM4500S2CF	1E19011	05/19/11 15:23
10-09-3	Alkalinity, Bicarbonate (as CACO3)	95.0	1.00	1.00	1.00	1		SM2320B	1E25001	05/25/11 11:40
16887-00-6	Chloride	8.01	0.170	0.330	1.00	1	M	E300.0	1E13317	05/13/11 22:26
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1E25001	05/25/11 11:40
14797-55-8	Nitrate as N	0.0810	0.0330	0.100	0.200	1	J	E300.0	1E13317	05/13/11 22:26
14808-79-8	Sulfate as SO4	27.5	0.330	1.00	2.50	1	M	E300.0	1E13317	05/13/11 22:26

ANALYSIS DATA SHEET

GW0049

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 05/13/11 10:05
% Solids: 0.00

SDG: Kirtland_012
Project: Kirtland AFB 2011
Laboratory ID: 1105137-01
Received: 05/14/11 10:30

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	1E23004	05/25/11 19:38
18496-25-8	Sulfide		0.690	1.72	3.45	0.69	U	SM4500S2CF	1E19011	05/19/11 15:24
10-09-3	Alkalinity, Bicarbonate (as CACO3)	319	1.00	1.00	1.00	1		SM2320B	1E25001	05/25/11 11:53
16887-00-6	Chloride	52.2	0.170	0.330	1.00	1	M	E300.0	1E14001	05/14/11 14:14
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1E25001	05/25/11 11:53
14797-55-8	Nitrate as N		0.0330	0.100	0.200	1	U	E300.0	1E14001	05/14/11 14:14
14808-79-8	Sulfate as SO4	7.58	0.330	1.00	2.50	1	M	E300.0	1E14001	05/14/11 14:14

ANALYSIS DATA SHEET

GW0055

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1105137-03
Sampled:	05/13/11 13:33	Received:	05/14/11 10:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	1E23004	05/25/11 19:39
18496-25-8	Sulfide		0.727	1.82	3.64	0.73	U	SM4500S2CF	1E19011	05/19/11 15:25
10-09-3	Alkalinity, Bicarbonate (as CACO3)	164	1.00	1.00	1.00	1		SM2320B	1E25001	05/25/11 12:19
16887-00-6	Chloride	13.0	0.170	0.330	1.00	1	M	E300.0	1E14001	05/14/11 14:31
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1E25001	05/25/11 12:19
14797-55-8	Nitrate as N	0.0800	0.0330	0.100	0.200	1	J	E300.0	1E14001	05/14/11 14:31
14808-79-8	Sulfate as SO4	26.4	0.330	1.00	2.50	1	M	E300.0	1E14001	05/14/11 14:31

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_012
Project: Kirtland AFB 2011
Calibration: 1124002
Sequence: 1E12407

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1E12407-ICV1	Chloride	4.800	4.757	99.1	mg/L	+/- 10.00%
	Nitrate as N	3.616	3.589	99.3	mg/L	+/- 10.00%
	Sulfate as SO4	24.00	23.63	98.5	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_012
Project: Kirtland AFB 2011
Calibration: 1124002
Sequence: 1E13603

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1E13603-CCV1	Chloride	25.00	24.70	98.8	mg/L	+/- 10.00%
	Nitrate as N	2.500	2.471	98.8	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	23.93	95.7	mg/L	+/- 10.00%
1E13603-CCV2	Chloride	25.00	24.84	99.4	mg/L	+/- 10.00%
	Nitrate as N	2.500	2.493	99.7	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	24.36	97.4	mg/L	+/- 10.00%
1E13603-CCV3	Chloride	25.00	25.12	100	mg/L	+/- 10.00%
	Nitrate as N	2.500	2.519	101	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	24.56	98.3	mg/L	+/- 10.00%
1E13603-CCV4	Chloride	25.00	25.12	100	mg/L	+/- 10.00%
	Nitrate as N	2.500	2.525	101	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	24.47	97.9	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_012
Project: Kirtland AFB 2011
Calibration: 1124002
Sequence: 1E13814

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1E13814-CCV1	Chloride	25.00	23.90	95.6	mg/L	+/- 10.00%
	Nitrate as N	2.500	2.417	96.7	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	23.50	94.0	mg/L	+/- 10.00%
1E13814-CCV2	Chloride	25.00	24.02	96.1	mg/L	+/- 10.00%
	Nitrate as N	2.500	2.423	96.9	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	23.78	95.1	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_012
Project: Kirtland AFB 2011
Calibration: 1124002
Sequence: 1E13919

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1E13919-CCV1	Chloride	25.00	23.50	94.0	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	22.93	91.7	mg/L	+/- 10.00%
1E13919-CCV2	Chloride	25.00	23.98	95.9	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	23.92	95.7	mg/L	+/- 10.00%
1E13919-CCV3	Chloride	25.00	23.98	95.9	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	23.82	95.3	mg/L	+/- 10.00%
1E13919-CCV4	Chloride	25.00	24.08	96.3	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	23.84	95.4	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_012
Project: Kirtland AFB 2011
Calibration: 1142001
Sequence: 1E14014

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1E14014-ICV1	Ammonia as N	2.000	2.151	108	mg/L	+/- 10.00%
1E14014-CCV1	Ammonia as N	2.000	2.100	105	mg/L	+/- 10.00%
1E14014-CCV2	Ammonia as N	2.000	2.123	106	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_012
Project: Kirtland AFB 2011
Calibration: 1148001
Sequence: 1E14613

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1E14613-ICV1	Ammonia as N	2.000	2.129	106	mg/L	+/- 10.00%
1E14613-CCV1	Ammonia as N	2.000	2.210	110	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E353.2

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-Lachat

SDG: Kirtland_012
Project: Kirtland AFB 2011
Calibration: 1148002
Sequence: 1E14803

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1E14803-ICV1	Nitrate/Nitrite as N	1.200	1.192	99.3	mg/L	+/- 10.00%
1E14803-CCV1	Nitrate/Nitrite as N	1.200	1.223	102	mg/L	+/- 10.00%
1E14803-CCV2	Nitrate/Nitrite as N	1.200	1.218	102	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_012
Project: Kirtland AFB 2011
Calibration: 1124002
Sequence: 1F15209

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1F15209-CCV1	Chloride	25.00	23.98	95.9	mg/L	+/- 10.00%
	Nitrate as N	2.500	2.425	97.0	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	23.54	94.2	mg/L	+/- 10.00%
1F15209-CCV2	Chloride	25.00	24.47	97.9	mg/L	+/- 10.00%
	Nitrate as N	2.500	2.468	98.7	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	24.30	97.2	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SM4500NO2B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-Gensys

SDG: Kirtland_012
Project: Kirtland AFB 2011
Calibration: 1154002
Sequence: 1F15406

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1F15406-ICV1	Nitrite as N	0.1000	0.1005	100	mg/L	+/- 10.00%
1F15406-CCV1	Nitrite as N	0.1000	0.1011	101	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_012
Project: Kirtland AFB 2011
Calibration: 1124002
Sequence: 1F15420

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1F15420-CCV1	Chloride	25.00	24.15	96.6	mg/L	+/- 10.00%
	Nitrate as N	2.500	2.431	97.2	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	23.72	94.9	mg/L	+/- 10.00%
1F15420-CCV2	Chloride	25.00	24.10	96.4	mg/L	+/- 10.00%
	Nitrate as N	2.500	2.488	99.5	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	24.04	96.2	mg/L	+/- 10.00%

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_012

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 1124002

Sequence: 1E13603

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1E13603-CRL2	Chloride	1.000	0.8070	80.7	mg/L	75 - 125
	Nitrate as N	0.1000	0.1060	106	mg/L	75 - 125
1E13603-CRL3	Sulfate as SO4	2.500	2.099	84.0	mg/L	75 - 125

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_012

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 1124002

Sequence: 1E13814

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1E13814-CRL1	Nitrate as N	0.05000	0.05300	106	mg/L	75 - 125
1E13814-CRL2	Chloride	1.000	0.7530	75.3	mg/L	75 - 125
1E13814-CRL3	Sulfate as SO4	2.500	1.930	77.2	mg/L	75 - 125

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_012

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 1124002

Sequence: 1E13919

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1E13919-CRL2	Chloride	1.000	0.8140	81.4	mg/L	75 - 125
1E13919-CRL3	Sulfate as SO4	2.500	1.980	79.2	mg/L	75 - 125

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_012

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 1124002

Sequence: 1F15209

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1F15209-CRL1	Chloride	1.000	0.7770	77.7	mg/L	75 - 125
	Nitrate as N	0.1000	0.1020	102	mg/L	75 - 125
1F15209-CRL2	Sulfate as SO4	2.500	1.968	78.7	mg/L	75 - 125

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_012

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 1124002

Sequence: 1F15420

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1F15420-CRL2	Chloride	1.000	0.8470	84.7	mg/L	75 - 125
	Nitrate as N	0.1000	0.1110	111	mg/L	75 - 125
1F15420-CRL3	Sulfate as SO4	2.500	1.932	77.3	mg/L	75 - 125

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_012
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1E10019

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1E10019-BLK1	Chloride	-0.0600	0.170	0.500	mg/L	U	E300.0
	Nitrate as N	0.0270	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
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_012
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1E11026

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1E11026-BLK1	Chloride	-0.0510	0.170	0.500	mg/L	U	E300.0
	Nitrate as N	0.0250	0.0330	0.200	mg/L	U	E300.0
	Sulfate as SO4	-0.191	0.330	2.00	mg/L	U	E300.0

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_012
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1E13317

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1E13317-BLK1	Chloride	-0.0170	0.170	0.500	mg/L	U	E300.0
	Nitrate as N	0.0270	0.0330	0.200	mg/L	U	E300.0
	Sulfate as SO4	-0.187	0.330	2.00	mg/L	U	E300.0

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_012
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1E14001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1E14001-BLK1	Chloride	-0.115	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_012
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1E16003

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1E16003-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_012
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1E17017

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1E17017-BLK1	Chloride	0.0300	0.170	0.500	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_012
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1E19009

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1E19009-BLK1	Ammonia as N	-0.0588	0.110	0.300	mg/L	U	SM4500NH3BG

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_012
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1E19011

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1E19011-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_012
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1E19012

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1E19012-BLK1	Alkalinity, Total (as CACO3)	0.00	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_012
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1E23004

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1E23004-BLK1	Ammonia as N	-0.0771	0.110	0.300	mg/L	U	SM4500NH3BG

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_012
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1E24001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1E24001-BLK1	Alkalinity, Total (as CACO3)	1.23	1.00	1.00	mg/L		SM2320B

METHOD BLANKS
SM4500NO2B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_012
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1E24012

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1E24012-BLK1	Nitrite as N	0.00	0.00330	0.0100	mg/L	U	SM4500NO2B

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_012
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1E25001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1E25001-BLK1	Alkalinity, Total (as CACO3)	1.14	1.00	1.00	mg/L		SM2320B

METHOD BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_012
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1E27023

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1E27023-BLK1	Nitrate/Nitrite as N	-0.000892	0.0500	0.300	mg/L	U	E353.2

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_012
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1E12407
Calibration: 1124002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1E12407-ICB1	Chloride	-0.1530	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	0.000	0.330	2.00	mg/L	U	E300.0

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_012
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1E13603
Calibration: 1124002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1E13603-CCB1	Chloride	-0.0490	0.170	0.500	mg/L	U	E300.0
	Nitrate as N	0.0220	0.0330	0.200	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
1E13603-CCB2	Chloride	-0.0100	0.170	0.500	mg/L	U	E300.0
	Nitrate as N	0.0220	0.0330	0.200	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
1E13603-CCB3	Chloride	0.00300	0.170	0.500	mg/L	U	E300.0
	Nitrate as N	0.0250	0.0330	0.200	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
1E13603-CCB4	Chloride	0.0110	0.170	0.500	mg/L	U	E300.0
	Nitrate as N	0.0250	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_012
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1E13814
Calibration: 1124002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1E13814-CCB1	Chloride	-0.0790	0.170	0.500	mg/L	U	E300.0
	Nitrate as N	0.0220	0.0330	0.200	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
1E13814-CCB2	Chloride	-0.0650	0.170	0.500	mg/L	U	E300.0
	Nitrate as N	0.0260	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_012
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1E13919
Calibration: 1124002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1E13919-CCB1	Chloride	0.00800	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
1E13919-CCB2	Chloride	0.150	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
1E13919-CCB3	Chloride	-0.0140	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
1E13919-CCB4	Chloride	-0.0470	0.170	0.500	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_012
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1E14014
Calibration: 1142001
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1E14014-ICB1	Ammonia as N	-0.008778	0.110	0.300	mg/L	U	SM4500NH3BG
1E14014-CCB1	Ammonia as N	-0.0211	0.110	0.300	mg/L	U	SM4500NH3BG
1E14014-CCB2	Ammonia as N	-0.00954	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_012
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1E14613
Calibration: 1148001
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1E14613-ICB1	Ammonia as N	-0.01134	0.110	0.300	mg/L	U	SM4500NH3BG
1E14613-CCB1	Ammonia as N	-0.00751	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_012
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1E14803
Calibration: 1148002
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1E14803-ICB1	Nitrate/Nitrite as N	-0.001316	0.0500	0.300	mg/L	U	E353.2
1E14803-CCB1	Nitrate/Nitrite as N	-0.00874	0.0500	0.300	mg/L	U	E353.2
1E14803-CCB2	Nitrate/Nitrite as N	-0.00298	0.0500	0.300	mg/L	U	E353.2

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_012
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1F15209
Calibration: 1124002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1F15209-CCB1	Chloride	0.0260	0.170	0.500	mg/L	U	E300.0
	Nitrate as N	0.0290	0.0330	0.200	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
1F15209-CCB2	Chloride	-0.0760	0.170	0.500	mg/L	U	E300.0
	Nitrate as N	0.0250	0.0330	0.200	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

BLANKS
SM4500NO2B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_012
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1F15406
Calibration: 1154002
Instrument ID: WC-Gensys

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1F15406-CCB1	Nitrite as N	0.00	0.00330	0.0100	mg/L	U	SM4500NO2B

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_012
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1F15420
Calibration: 1124002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1F15420-CCB1	Chloride	-0.0310	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
1F15420-CCB2	Chloride	0.00900	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_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E10019	Laboratory ID:	1E10019-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	4.556	94.9	90 - 110
Nitrate as N	3.616	3.564	98.6	90 - 110
Sulfate as SO4	24.00	23.39	97.5	90 - 110

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E11026	Laboratory ID:	1E11026-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	4.616	96.2	90 - 110
Nitrate as N	3.616	3.575	98.9	90 - 110
Sulfate as SO4	24.00	23.53	98.0	90 - 110

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E13317	Laboratory ID:	1E13317-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	4.649	96.9	90 - 110
Nitrate as N	3.616	3.599	99.5	90 - 110
Sulfate as SO4	24.00	23.74	98.9	90 - 110

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E14001	Laboratory ID:	1E14001-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	4.646	96.8	90 - 110
Nitrate as N	3.616	3.605	99.7	90 - 110
Sulfate as SO4	24.00	23.57	98.2	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E16003	Laboratory ID:	1E16003-BS1
Preparation:	pNone	Initial/Final:	3 mL / 250 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfide	1293	1083	83.8	80 - 120

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E17017	Laboratory ID:	1E17017-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	4.651	96.9	90 - 110
Sulfate as SO4	24.00	23.60	98.3	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E19009	Laboratory ID:	1E19009-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	4.581	91.6	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E19011	Laboratory ID:	1E19011-BS1
Preparation:	pNone	Initial/Final:	3 mL / 250 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfide	1387	1383	99.7	80 - 120

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Sulfide	1387	1283	92.5	7.51	20	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E19012	Laboratory ID:	1E19012-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	191.9	96.0	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E23004	Laboratory ID:	1E23004-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	4.552	91.0	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E24001	Laboratory ID:	1E24001-BS1
Preparation:	pNone	Initial/Final:	5 mL / 25 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Alkalinity, Total (as CACO3)	1000	1025	103	80 - 120

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Alkalinity, Total (as CACO3)	1000	1029	103	0.394	20	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E24001	Laboratory ID:	1E24001-BS2
Preparation:	pNone	Initial/Final:	5 mL / 25 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Alkalinity, Total (as CACO3)	1000	1027	103	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E24001	Laboratory ID:	1E24001-BS3
Preparation:	pNone	Initial/Final:	5 mL / 25 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Alkalinity, Total (as CACO3)	1000	1026	103	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500NO2B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E24012	Laboratory ID:	1E24012-BS1
Preparation:	pNone	Initial/Final:	1 mL / 50 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Nitrite as N	3.820	3.095	81.0	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E25001	Laboratory ID:	1E25001-BS1
Preparation:	pNone	Initial/Final:	5 mL / 25 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Alkalinity, Total (as CACO3)	1000	954.8	95.5	80 - 120

LCS / LCS DUPLICATE RECOVERY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1E27023	Laboratory ID:	1E27023-BS1
Preparation:	pNone	Initial/Final:	1 mL / 20 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Nitrate/Nitrite as N	16.30	14.60	89.6	80 - 120

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC **SDG:** Kirtland_012

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_012
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix: Water
Instrument: WC-Gensys

Analyte	MDL	MRL	Units	Method
Nitrite as N	0.00330	0.0100	mg/L	SM4500NO2B

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC **SDG:** Kirtland_012

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_012
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix: Water
Instrument: WC-Lachat

Analyte	MDL	MRL	Units	Method
Nitrate/Nitrite as N	0.0500	0.300	mg/L	E353.2
Ammonia as N	0.110	0.300	mg/L	SM4500NH3BG

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Batch: 1E10019 Batch Matrix: Water Preparation: WC_PREP_ANIONS_W

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0060	1105082-01	05/10/11 16:35	5.00	5.00
GW0060	1105082-01	05/10/11 16:35	5.00	5.00
Blank	1E10019-BLK1	05/10/11 16:35	5.00	5.00
LCS	1E10019-BS1	05/10/11 16:35	5.00	5.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Batch: 1E11026 Batch Matrix: Water Preparation: WC_PREP_ANIONS_W

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0085	1105093-01	05/11/11 14:31	5.00	5.00
GW0085	1105093-01	05/11/11 14:31	5.00	5.00
GW0086	1105093-03	05/11/11 14:31	5.00	5.00
GW0086	1105093-03	05/11/11 14:31	5.00	5.00
Blank	1E11026-BLK1	05/11/11 14:31	5.00	5.00
LCS	1E11026-BS1	05/11/11 14:31	5.00	5.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Batch: 1E13317 Batch Matrix: Water Preparation: WC_PREP_ANIONS_W

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0099	1105122-01	05/13/11 14:52	5.00	5.00
GW0099	1105122-01	05/13/11 14:52	5.00	5.00
Blank	1E13317-BLK1	05/13/11 14:52	5.00	5.00
LCS	1E13317-BS1	05/13/11 14:52	5.00	5.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Batch: 1E14001 Batch Matrix: Water Preparation: WC_PREP_ANIONS_W

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0049	1105137-01	05/14/11 11:51	5.00	5.00
GW0049	1105137-01	05/14/11 11:51	5.00	5.00
GW0055	1105137-03	05/14/11 11:51	5.00	5.00
GW0055	1105137-03	05/14/11 11:51	5.00	5.00
Blank	1E14001-BLK1	05/14/11 11:51	5.00	5.00
LCS	1E14001-BS1	05/14/11 11:51	5.00	5.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Batch: 1E16003 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0060	1105082-01	05/16/11 10:01	290.00	200.00
GW0085	1105093-01	05/16/11 10:01	290.00	200.00
GW0086	1105093-03	05/16/11 10:01	295.00	200.00
GW0087	1105113-01	05/16/11 10:01	295.00	200.00
GW0088	1105113-03	05/16/11 10:01	295.00	200.00
Blank	1E16003-BLK1	05/16/11 10:01	250.00	200.00
LCS	1E16003-BS1	05/16/11 10:01	3.00	250.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Batch: 1E17017 Batch Matrix: Water Preparation: WC_PREP_ANIONS_W

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0087	1105113-01	05/17/11 15:32	5.00	5.00
GW0088	1105113-03	05/17/11 15:32	5.00	5.00
Blank	1E17017-BLK1	05/17/11 15:32	5.00	5.00
LCS	1E17017-BS1	05/17/11 15:32	5.00	5.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Batch: 1E19009 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0060	1105082-01	05/19/11 11:16	100.00	100.00
Blank	1E19009-BLK1	05/19/11 11:16	100.00	100.00
LCS	1E19009-BS1	05/19/11 11:16	100.00	100.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Batch: 1E19011 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0099	1105122-01	05/19/11 11:19	275.00	200.00
GW0049	1105137-01	05/19/11 11:19	290.00	200.00
GW0055	1105137-03	05/19/11 11:19	275.00	200.00
Blank	1E19011-BLK1	05/19/11 11:19	250.00	200.00
LCS	1E19011-BS1	05/19/11 11:19	3.00	250.00
LCS Dup	1E19011-BSD1	05/19/11 11:19	3.00	250.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Batch: 1E19012 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0060	1105082-01	05/19/11 11:21	25.00	25.00
Blank	1E19012-BLK1	05/19/11 11:21	25.00	25.00
LCS	1E19012-BS1	05/19/11 11:21	25.00	25.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Batch: 1E23004 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0085	1105093-01	05/23/11 10:45	100.00	100.00
GW0086	1105093-03	05/23/11 10:45	100.00	100.00
GW0087	1105113-01	05/23/11 10:45	100.00	100.00
GW0088	1105113-03	05/23/11 10:45	100.00	100.00
GW0099	1105122-01	05/23/11 10:45	100.00	100.00
GW0049	1105137-01	05/23/11 10:45	100.00	100.00
GW0055	1105137-03	05/23/11 10:45	100.00	100.00
Blank	1E23004-BLK1	05/23/11 10:45	100.00	100.00
LCS	1E23004-BS1	05/23/11 10:45	100.00	100.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Batch: 1E24001 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0085	1105093-01	05/24/11 08:14	25.00	25.00
GW0086	1105093-03	05/24/11 08:14	25.00	25.00
Blank	1E24001-BLK1	05/24/11 08:14	25.00	25.00
LCS	1E24001-BS1	05/24/11 08:14	5.00	25.00
LCS	1E24001-BS2	05/24/11 08:14	5.00	25.00
LCS	1E24001-BS3	05/24/11 08:14	5.00	25.00
LCS Dup	1E24001-BSD1	05/24/11 08:14	5.00	25.00

PREPARATION BATCH SUMMARY

SM4500NO2B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Batch: 1E24012 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0087	1105113-01	05/13/11 09:30	50.00	50.00
GW0088	1105113-03	05/13/11 09:30	50.00	50.00
Blank	1E24012-BLK1	05/13/11 09:30	50.00	50.00
LCS	1E24012-BS1	05/13/11 09:30	1.00	50.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Batch: 1E25001 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0087	1105113-01	05/25/11 07:59	25.00	25.00
GW0088	1105113-03	05/25/11 07:59	25.00	25.00
GW0099	1105122-01	05/25/11 07:59	25.00	25.00
GW0049	1105137-01	05/25/11 07:59	25.00	25.00
GW0055	1105137-03	05/25/11 07:59	25.00	25.00
Blank	1E25001-BLK1	05/25/11 07:59	25.00	25.00
LCS	1E25001-BS1	05/25/11 07:59	5.00	25.00

PREPARATION BATCH SUMMARY

E353.2

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_012

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

Batch: 1E27023 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0087	1105113-01	05/27/11 15:33	4.00	20.00
GW0088	1105113-03	05/27/11 15:33	4.00	20.00
Blank	1E27023-BLK1	05/27/11 15:33	20.00	20.00
LCS	1E27023-BS1	05/27/11 15:33	1.00	20.00

ANALYSIS SEQUENCE SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_012

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Blank	1E19012-BLK1	051911-004	05/19/11 14:28
LCS	1E19012-BS1	051911-003	05/19/11 14:32
LCS	1E24001-BS1		05/24/11 10:05
LCS	1E24001-BS2		05/24/11 12:00
LCS	1E24001-BS3		05/24/11 12:10
LCS Dup	1E24001-BSD1		05/24/11 12:25
Blank	1E24001-BLK1		05/24/11 12:31
Blank	1E25001-BLK1	05252011-004	05/25/11 13:10
LCS	1E25001-BS1		05/25/11 13:17

ANALYSIS SEQUENCE SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_012

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Blank	1E16003-BLK1	051611-003	05/16/11 11:55
LCS	1E16003-BS1	051611-002	05/16/11 11:57
LCS Dup	1E19011-BSD1	051911-003	05/19/11 15:28
LCS	1E19011-BS1	051911-002	05/19/11 15:28
Blank	1E19011-BLK1	051911-004	05/19/11 15:29

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E12407	Instrument:	WC-IC
Calibration:	1124002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1E12407-CAL1	040911-003	04/09/11 12:05
Cal Standard	1E12407-CAL2	040911-004	04/09/11 12:22
Cal Standard	1E12407-CAL3	040911-005	04/09/11 12:39
Cal Standard	1E12407-CAL4	040911-006	04/09/11 12:57
Cal Standard	1E12407-CAL5	040911-007	04/09/11 13:14
Cal Standard	1E12407-CAL6	040911-008	04/09/11 13:32
Cal Standard	1E12407-CAL7	040911-009	04/09/11 13:49
Cal Standard	1E12407-CAL8	040911-010	04/09/11 14:07
Initial Cal Check	1E12407-ICV1	040911-011	04/09/11 14:24
Initial Cal Blank	1E12407-ICB1	040911-012	04/09/11 14:41

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E13603	Instrument:	WC-IC
Calibration:	1124002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1E13603-CCV1	051311-002	05/13/11 13:27
Calibration Blank	1E13603-CCB1	051311-003	05/13/11 13:44
Instrument RL Check	1E13603-CRL2	051311-005	05/13/11 14:19
Instrument RL Check	1E13603-CRL3	051311-006	05/13/11 14:36
LCS	1E13317-BS1	051311-007	05/13/11 14:54
Blank	1E13317-BLK1	051311-008	05/13/11 15:11
Calibration Check	1E13603-CCV2	051311-019	05/13/11 18:22
Calibration Blank	1E13603-CCB2	051311-020	05/13/11 18:40
Calibration Check	1E13603-CCV3	051311-031	05/13/11 21:51
Calibration Blank	1E13603-CCB3	051311-032	05/13/11 22:09
GW0099	1105122-01	051311-033	05/13/11 22:26
Calibration Check	1E13603-CCV4	051311-034	05/13/11 22:44
Calibration Blank	1E13603-CCB4	051311-035	05/13/11 23:01

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E13814	Instrument:	WC-IC
Calibration:	1124002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1E13814-CCV1	051011-002	05/10/11 17:51
Calibration Blank	1E13814-CCB1	051011-003	05/10/11 18:09
Instrument RL Check	1E13814-CRL1	051011-004	05/10/11 18:26
Instrument RL Check	1E13814-CRL2	051011-005	05/10/11 18:44
Instrument RL Check	1E13814-CRL3	051011-006	05/10/11 19:01
LCS	1E10019-BS1	051011-007	05/10/11 19:18
Blank	1E10019-BLK1	051011-008	05/10/11 19:36
GW0060	1105082-01	051011-011	05/10/11 20:28
Calibration Check	1E13814-CCV2	051011-014	05/10/11 21:20
Calibration Blank	1E13814-CCB2	051011-015	05/10/11 21:38

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E13919	Instrument:	WC-IC
Calibration:	1124002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1E13919-CCV1	051711-002	05/17/11 17:44
Calibration Blank	1E13919-CCB1	051711-003	05/17/11 18:01
Instrument RL Check	1E13919-CRL2	051711-005	05/17/11 18:36
Instrument RL Check	1E13919-CRL3	051711-006	05/17/11 18:54
LCS	1E17017-BS1	051711-007	05/17/11 19:11
Blank	1E17017-BLK1	051711-008	05/17/11 19:29
Calibration Check	1E13919-CCV2	051711-015	05/17/11 21:31
Calibration Blank	1E13919-CCB2	051711-016	05/17/11 21:48
Calibration Check	1E13919-CCV3	051711-027	05/18/11 01:00
Calibration Blank	1E13919-CCB3	051711-028	05/18/11 01:17
GW0087	1105113-01	051711-037	05/18/11 03:54
GW0088	1105113-03	051711-038	05/18/11 04:11
Calibration Check	1E13919-CCV4	051711-039	05/18/11 04:29
Calibration Blank	1E13919-CCB4	051711-040	05/18/11 04:46

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E14014	Instrument:	WC-Lachat
Calibration:	1142001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1E14014-CAL1	M_5-20-2011_12-48-10PM-00	05/20/11 12:49
Cal Standard	1E14014-CAL2	M_5-20-2011_12-48-10PM-00	05/20/11 12:50
Cal Standard	1E14014-CAL3	M_5-20-2011_12-48-10PM-00	05/20/11 12:51
Cal Standard	1E14014-CAL4	M_5-20-2011_12-48-10PM-00	05/20/11 12:52
Cal Standard	1E14014-CAL5	M_5-20-2011_12-48-10PM-00	05/20/11 12:53
Cal Standard	1E14014-CAL6	M_5-20-2011_12-48-10PM-00	05/20/11 12:54
Cal Standard	1E14014-CAL7	M_5-20-2011_12-48-10PM-00	05/20/11 12:55
Cal Standard	1E14014-CAL8	M_5-20-2011_12-48-10PM-00	05/20/11 12:56
Initial Cal Check	1E14014-ICV1	M_5-20-2011_12-48-10PM-00	05/20/11 12:57
Initial Cal Blank	1E14014-ICB1	M_5-20-2011_12-48-10PM-01	05/20/11 12:58
Blank	1E19009-BLK1	M_5-20-2011_12-48-10PM-01	05/20/11 12:59
LCS	1E19009-BS1	M_5-20-2011_12-48-10PM-01	05/20/11 13:00
Calibration Check	1E14014-CCV1	M_5-20-2011_12-48-10PM-02	05/20/11 13:10
Calibration Blank	1E14014-CCB1	M_5-20-2011_12-48-10PM-02	05/20/11 13:11
GW0060	1105082-01	M_5-20-2011_12-48-10PM-02	05/20/11 13:13
Calibration Check	1E14014-CCV2	M_5-20-2011_12-48-10PM-03	05/20/11 13:22
Calibration Blank	1E14014-CCB2	M_5-20-2011_12-48-10PM-03	05/20/11 13:23

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E14613	Instrument:	WC-Lachat
Calibration:	1148001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1E14613-CAL1	M_5-25-2011_07-20-25PM-00	05/25/11 19:21
Cal Standard	1E14613-CAL2	M_5-25-2011_07-20-25PM-00	05/25/11 19:22
Cal Standard	1E14613-CAL3	M_5-25-2011_07-20-25PM-00	05/25/11 19:23
Cal Standard	1E14613-CAL4	M_5-25-2011_07-20-25PM-00	05/25/11 19:24
Cal Standard	1E14613-CAL5	M_5-25-2011_07-20-25PM-00	05/25/11 19:25
Cal Standard	1E14613-CAL6	M_5-25-2011_07-20-25PM-00	05/25/11 19:25
Cal Standard	1E14613-CAL7	M_5-25-2011_07-20-25PM-00	05/25/11 19:26
Cal Standard	1E14613-CAL8	M_5-25-2011_07-20-25PM-00	05/25/11 19:27
Initial Cal Check	1E14613-ICV1	M_5-25-2011_07-20-25PM-00	05/25/11 19:28
Initial Cal Blank	1E14613-ICB1	M_5-25-2011_07-20-25PM-01	05/25/11 19:29
Blank	1E23004-BLK1	M_5-25-2011_07-20-25PM-01	05/25/11 19:30
LCS	1E23004-BS1	M_5-25-2011_07-20-25PM-01	05/25/11 19:31
GW0085	1105093-01	M_5-25-2011_07-20-25PM-01	05/25/11 19:32
GW0086	1105093-03	M_5-25-2011_07-20-25PM-01	05/25/11 19:33
GW0087	1105113-01	M_5-25-2011_07-20-25PM-01	05/25/11 19:34
GW0088	1105113-03	M_5-25-2011_07-20-25PM-01	05/25/11 19:35
GW0099	1105122-01	M_5-25-2011_07-20-25PM-01	05/25/11 19:36
GW0049	1105137-01	M_5-25-2011_07-20-25PM-01	05/25/11 19:38
GW0055	1105137-03	M_5-25-2011_07-20-25PM-02	05/25/11 19:39
Calibration Check	1E14613-CCV1	M_5-25-2011_07-20-25PM-02	05/25/11 19:42
Calibration Blank	1E14613-CCB1	M_5-25-2011_07-20-25PM-02	05/25/11 19:43

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E14803	Instrument:	WC-Lachat
Calibration:	1148002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1E14803-CAL1	M_5-27-2011_07-05-19PM-00	05/27/11 19:06
Cal Standard	1E14803-CAL2	M_5-27-2011_07-05-19PM-00	05/27/11 19:07
Cal Standard	1E14803-CAL3	M_5-27-2011_07-05-19PM-00	05/27/11 19:09
Cal Standard	1E14803-CAL4	M_5-27-2011_07-05-19PM-00	05/27/11 19:10
Cal Standard	1E14803-CAL5	M_5-27-2011_07-05-19PM-00	05/27/11 19:12
Cal Standard	1E14803-CAL6	M_5-27-2011_07-05-19PM-00	05/27/11 19:13
Cal Standard	1E14803-CAL7	M_5-27-2011_07-05-19PM-00	05/27/11 19:14
Cal Standard	1E14803-CAL8	M_5-27-2011_07-05-19PM-00	05/27/11 19:16
Initial Cal Check	1E14803-ICV1	M_5-27-2011_07-05-19PM-00	05/27/11 19:17
Initial Cal Blank	1E14803-ICB1	M_5-27-2011_07-05-19PM-01	05/27/11 19:19
Calibration Check	1E14803-CCV1	M_5-27-2011_07-05-19PM-02	05/27/11 19:42
Calibration Blank	1E14803-CCB1	M_5-27-2011_07-05-19PM-02	05/27/11 19:44
Blank	1E27023-BLK1	M_5-27-2011_07-05-19PM-02	05/27/11 19:45
LCS	1E27023-BS1	M_5-27-2011_07-05-19PM-02	05/27/11 19:46
GW0087	1105113-01	M_5-27-2011_07-05-19PM-03	05/27/11 19:48
GW0088	1105113-03	M_5-27-2011_07-05-19PM-03	05/27/11 19:49
Calibration Check	1E14803-CCV2	M_5-27-2011_07-05-19PM-04	05/27/11 20:02
Calibration Blank	1E14803-CCB2	M_5-27-2011_07-05-19PM-04	05/27/11 20:04

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F15209	Instrument:	WC-IC
Calibration:	1124002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1F15209-CCV1	051111-002	05/11/11 15:54
Calibration Blank	1F15209-CCB1	051111-003	05/11/11 16:11
Instrument RL Check	1F15209-CRL1	051111-005	05/11/11 16:46
Instrument RL Check	1F15209-CRL2	051111-006	05/11/11 17:03
LCS	1E11026-BS1	051111-007	05/11/11 17:21
Blank	1E11026-BLK1	051111-008	05/11/11 17:38
GW0085	1105093-01	051111-009	05/11/11 17:56
GW0086	1105093-03	051111-010	05/11/11 18:13
Calibration Check	1F15209-CCV2	051111-011	05/11/11 18:30
Calibration Blank	1F15209-CCB2	051111-012	05/11/11 18:48

ANALYSIS SEQUENCE SUMMARY

SM4500NO2B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F15406	Instrument:	WC-Gensys
Calibration:	1154002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1F15406-CAL2	051311-003	05/13/11 09:53
Cal Standard	1F15406-CAL1	051311-002	05/13/11 09:53
Cal Standard	1F15406-CAL4	051311-005	05/13/11 09:54
Cal Standard	1F15406-CAL3	051311-004	05/13/11 09:54
Cal Standard	1F15406-CAL6	051311-007	05/13/11 09:55
Cal Standard	1F15406-CAL5	051311-006	05/13/11 09:55
Initial Cal Check	1F15406-ICV1	051311-009	05/13/11 09:56
Cal Standard	1F15406-CAL7	051311-008	05/13/11 09:56
LCS	1E24012-BS1	051311-011	05/13/11 09:57
Blank	1E24012-BLK1	051311-010	05/13/11 09:57
GW0088	1105113-03	051311-013	05/13/11 09:58
GW0087	1105113-01	051311-012	05/13/11 09:58
Calibration Check	1F15406-CCV1	051311-014	05/13/11 09:59
Calibration Blank	1F15406-CCB1	051311-015	05/13/11 09:59

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_012
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F15420	Instrument:	WC-IC
Calibration:	1124002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1F15420-CCV1	051411-002	05/14/11 12:12
Calibration Blank	1F15420-CCB1	051411-003	05/14/11 12:29
Instrument RL Check	1F15420-CRL2	051411-005	05/14/11 13:04
Instrument RL Check	1F15420-CRL3	051411-006	05/14/11 13:22
LCS	1E14001-BS1	051411-007	05/14/11 13:39
Blank	1E14001-BLK1	051411-008	05/14/11 13:57
GW0049	1105137-01	051411-009	05/14/11 14:14
GW0055	1105137-03	051411-010	05/14/11 14:31
Calibration Check	1F15420-CCV2	051411-011	05/14/11 14:49
Calibration Blank	1F15420-CCB2	051411-012	05/14/11 15:06