ANALYTICAL SUMMARY DATA PACKAGE
SDG # KIRTLAND_015

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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Original Report Date: June 29, 2011
Report Revision #: N/A
Revision Date: N/A
Total # of Pages: 525

THIS DOCUMENT MEETS DoD QSM 4.1 STANDARDS

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

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Sample Delivery Group Case Narrative

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

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

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

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

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

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

SW8260B:
The method blank 1F07002-BLK1 has a positive result for Hexachlorobutadiene.

The batch spikes associated to batch 1F06006 exceeded relative percent difference criteria for Acetone, Bromomethane, 2-Butanone, 2-Hexanone, and 4-Methyl-2-pentanone. The batch spike associated to batch 1F07002 exceeded recovery criteria with a negative bias for 1,2,3-Trichloropropane. The batch spike associated to batch 1F10001 exceeded criteria with a positive bias for Chloromethane.

The continuing calibration verifications exceeded criteria in 1F15803-CCV1 with a

negative bias for Bromomethane and with a positive bias for Dichlorodifluoromethane and 2,2-Dichloropropane, in 1F15904-CCV1 with a positive bias for Chloroethane, in 1F15906-CCV1 with a negative bias for Acetone, 2-Butanone, 1,2-Dibromo-3-chloropropane, 2-Hexanone, Naphthalene, 4-Methyl-2-pentanone, and 1,2,3-Trichloropropane and with a positive bias for n-Butylbenzene, Chloroethane, and 2,2-Dichloropropane and in 1F16201-CCV1 with a negative bias for Acetone, 2-Butanone, 1,2-Dibromo-3-chloropropane, Naphthalene, and 1,2,3-Trichloropropane and with a positive bias for Chloroethane, Chloromethane, and Dichlorodifluoromethane.

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

SW8270C BNA:
The surrogate 2,4,6-Tribromophenol exceeded criteria with a positive bias in samples 1106002-01 and -03.

The method blank 1F06016-BLK1 has a positive result for Diethylphthalate.

The batch spikes associated to batch 1F01024 exceeded recovery criteria with a positive bias for Benzo(a)anthracene, Benzo(b)fluoranthene, 4-Bromophenyl phenyl ether, Butylbenzylphthalate, Caprolactam, Bis(2-chloroethoxy)methane, 2-Chloronaphthalene, 4-Chlorophenyl phenyl ether, Chrysene, Dibenzofuran, Di-n-butylphthalate, 3,3'-Dichlorobenzidine, Diethylphthalate, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, Bis(2-ethylhexyl)phthalate, Hexachlorobenzene, and Phenanthrene. The batch spikes associated to batch 1F06016 exceeded criteria with a negative bias for Caprolactam and N-nitrosodiphenylamine. The batch spikes associated to batch 1F08012 exceeded criteria with a negative bias for Caprolactam and with a positive bias for Butylbenzylphthalate and 4-Chlorophenyl phenyl ether.

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

The continuing calibration verifications exceeded criteria in 1F15812-CCV1 with a positive bias for Benzidine, 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, in 1F17103-CCV1 with a negative bias for Benzaldehyde and with a positive bias for Benzo(b)fluoranthene, 3,3'-Dichlorobenzidine, and 2-Nitroaniline, in 1F17207-CCV1 with a negative bias for Benzaldehyde and with a positive bias for Benzo(b)fluoranthene, 2-Chloronaphthalene, 3,3'-Dichlorobenzidine, 2,4-Dinitrophenol, Di-n-ocytlphthalate, Hexachlorocylopentadiene, 2-Nitroaniline, and 4-Nitrophenol, and in 1F17308-CCV1 with a negative bias for Benzaldehyde and with a positive bias for

Benzo(b)fluoranthene, 2-Chloronaphthalene, 3,3'-Dichlorobenzidine, 2,4-Dinitrophenol, and Hexachlorocylopentadiene.

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:
The continuing calibration verifications 1F17107-CCV3, 1F17813-CCV1, and –CCV2 exceeded criteria with a positive bias for o-Terphenyl.

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

SW8011 EDB:
No anomalies or deviations are noted.

SW6010B:
No anomalies or deviations are noted.

Wet Chemistry:
Samples 1106013-01, -03, 1106026-01, -03, 1106048-01, and -03 are qualified with an M for Chloride (1.0mg/L) and Sulfate as SO4 (2.5mg/L) to indicate that the LOQ was raised to the level indicated which is the level of the RL standard that was within criteria. Samples 1106002-01 and -03 are qualified with an M for Chloride to indicate that the LOQ was raised to 1.omg/L which is the level of the RL standard that was within criteria. Samples 1106002-01 and -03 are qualified with an M for Nitrate as N to indicate that the DL was raised due to a positive result in the associated method blank.

The method blank 1F01021-BLK1 has positive results for Nitrate as N and Chloride. The continuing calibration blank 1F15211-CCB1 has a positive result for Nitrate as N while 1F15211-CCB2 has positive results for Chloride and Nitrate as N.

The matrix spike associated to sample 1106026-01 exceeded criteria with a positive bias for Ammonia.

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.

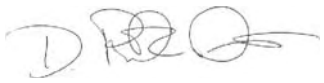
BLK: LIMS assigns a unique identifier to the Method Blank by naming it as the letters BLK appended to the Batch ID. A Method Blank is an analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The Method Blank is used to assess for possible 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: 140705-GW052

11

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

Samples Shipment Date: 31 MAY 2011
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/875889884630

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 ✓ Archive (mos.)

1. Relinquished By (Signature/Affiliation) Antonio Trujillo SHAW Env — Date: 5/31/11 Time: 1530
1. Received By (Signature/Affiliation) — Date: Time:
2. Relinquished By (Signature/Affiliation) — Date: Time:
2. Received By (Signature/Affiliation) — Date: Time:
3. Relinquished By (Signature/Affiliation) — Date: Time:
3. Received By (Signature/Affiliation) — 2.4°C Date: 6-1-11 Time: 09:00

Comments:

110602

	Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-01	GW0100	KAFB10682-GW-GW0100-REG	31 MAY 2011	14:15	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0100	KAFB10682-GW-GW0100-REG	31 MAY 2011	14:15	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0100	KAFB10682-GW-GW0100-REG	31 MAY 2011	14:15	1000 mL A GLASS	2	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0100	KAFB10682-GW-GW0100-REG	31 MAY 2011	14:15	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0100	KAFB10682-GW-GW0100-REG	31 MAY 2011	14:15	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
-02	GW0100	KAFB10682-GW-GW0100-REG	31 MAY 2011	14:15	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW052

1106002

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-01	GW0100	KAFB10682-GW-GW0100-REG	31 MAY 2011	14:15	250 mL HDPE	1	None except cool to 4 C	Chloride, Nitrate, and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0100	KAFB10682-GW-GW0100-REG	31 MAY 2011	14:15	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0100	KAFB10682-GW-GW0100-REG	31 MAY 2011	14:15	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0100	KAFB10682-GW-GW0100-REG	31 MAY 2011	14:15	250 mL HDPE	1	H2SO4<pH 2	Ammonia by SM4500B,D			N		
-02	GW0100	KAFB10682-GW-GW0100-REG	31 MAY 2011	14:15	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
-03	GW0101	KAFB10683-GW-GW0101-REG	31 MAY 2011	11:09	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0101	KAFB10683-GW-GW0101-REG	31 MAY 2011	11:09	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0101	KAFB10683-GW-GW0101-REG	31 MAY 2011	11:09	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0101	KAFB10683-GW-GW0101-REG	31 MAY 2011	11:09	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
-04	GW0101	KAFB10683-GW-GW0101-REG	31 MAY 2011	11:09	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
-03	GW0101	KAFB10683-GW-GW0101-REG	31 MAY 2011	11:09	250 mL HDPE	1	H2SO4<pH 2	Ammonia by SM4500B,D			N		
	GW0101	KAFB10683-GW-GW0101-REG	31 MAY 2011	11:09	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0101	KAFB10683-GW-GW0101-REG	31 MAY 2011	11:09	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0101	KAFB10683-GW-GW0101-REG	31 MAY 2011	11:09	250 mL HDPE	1	None except cool to 4 C	Chloride, Nitrate, and Sulfate by EPA 300, Alkalinity by SM2320B			N		
-04	GW0101	KAFB10683-GW-GW0101-REG	31 MAY 2011	11:09	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
-03	GW0101	KAFB10683-GW-GW0101-REG	31 MAY 2011	11:09	1000 mL A GLASS	2	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
-05	GW8052-TB	FIELDQC-BW-GW8052-TB-TB	31 MAY 2011	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 1106002 Number of Coolers: 1 of 1

Client: SWW E&I Project: Kirtland AFB

Date/Time Received: 6-1-11 / 09:00 Date cooler(s) opened: 6-1-11

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: 4630

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

How many: 1 Seal date: 5-31-11 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: 1.0 °C Correction Factor: +1.4 °C Final Value: 2.4 °C

Dates samples were logged-in: [signature] 6-1-11 6-1-11

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

- ph > 9 for all sulfides
- ph < 2 for all ammonia & metals containers

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW053

14

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

Samples Shipment Date: 01 JUN 2011
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/875889884641

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 ☑ Archive (mos.)

1. Relinquished By (Signature/Affiliation) [signature] Shaw — Date: 6/1/11 Time: 1711
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] 4.5°C — Date: 6-2-11 Time: 09:00

Comments:

1106013

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-01 GW0103	KAFB10697-GW-GW0103-REG	01 JUN 2011	15:55	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0103	KAFB10697-GW-GW0103-REG	01 JUN 2011	15:55	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0103	KAFB10697-GW-GW0103-REG	01 JUN 2011	15:55	1000 mL A GLASS	2	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0103	KAFB10697-GW-GW0103-REG	01 JUN 2011	15:55	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0103	KAFB10697-GW-GW0103-REG	01 JUN 2011	15:55	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
-02 GW0103	KAFB10697-GW-GW0103-REG	01 JUN 2011	15:55	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		

KIRTLAND_015 Summ Package

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW053

1106013

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-01	GW0103	KAFB10697-GW-GW0103-REG	01 JUN 2011	15:55	250 mL HDPE	1	H2SO4<pH 2	Ammonia by SM4500B,D			N		
	GW0103	KAFB10697-GW-GW0103-REG	01 JUN 2011	15:55	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0103	KAFB10697-GW-GW0103-REG	01 JUN 2011	15:55	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0103	KAFB10697-GW-GW0103-REG	01 JUN 2011	15:55	250 mL HDPE	1	None except cool to 4 C	Chloride, Nitrate, and Sulfate by EPA 300, Alkalinity by SM2320B			N		
-02	GW0103	KAFB10697-GW-GW0103-REG	01 JUN 2011	15:55	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
-03	GW0104	KAFB10698-GW-GW0104-REG	01 JUN 2011	12:22	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0104	KAFB10698-GW-GW0104-REG	01 JUN 2011	12:22	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0104	KAFB10698-GW-GW0104-REG	01 JUN 2011	12:22	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0104	KAFB10698-GW-GW0104-REG	01 JUN 2011	12:22	1000 mL A GLASS	2	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0104	KAFB10698-GW-GW0104-REG	01 JUN 2011	12:22	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
-04	GW0104	KAFB10698-GW-GW0104-REG	01 JUN 2011	12:22	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0104	KAFB10698-GW-GW0104-REG	01 JUN 2011	12:22	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
-03	GW0104	KAFB10698-GW-GW0104-REG	01 JUN 2011	12:22	250 mL HDPE	1	None except cool to 4 C	Chloride, Nitrate, and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0104	KAFB10698-GW-GW0104-REG	01 JUN 2011	12:22	250 mL HDPE	1	H2SO4<pH 2	Ammonia by SM4500B,D			N		
	GW0104	KAFB10698-GW-GW0104-REG	01 JUN 2011	12:22	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0104	KAFB10698-GW-GW0104-REG	01 JUN 2011	12:22	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
-05	GW8053-TB	FIELDQC-BW-GW8053-TB-TB	01 JUN 2011	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 1106013 Number of Coolers: 1 of 1

Client: Shaw Project: ~~[illegible]~~ RT Kirtland AFB

Date/Time Received: 6.2.11 0900 Date cooler(s) opened: 6.2.11

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: 4641

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

How many: 1 Seal date: 6.1.11 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: 3.1 °C Correction Factor: +1.4 °C Final Value: 4.5 °C

Dates samples were logged-in: 6-2-11

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

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 7E for all sulfides

· ph < 2 for all Ammonia & Metals samples

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW054

17

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

Samples Shipment Date: 02 JUN 2011
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/875889884652

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 X Archive (mos.)

1. Relinquished By (Signature/Affiliation) [signature] Date: 6-2-11 Time: 4:35
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] 5.2°C Date: 6.3.11 Time: 0900

Comments:

1105028

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-01 GW0089	KAFB10668-GW-GW0089-REG	02 JUN 2011	14:57	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0089	KAFB10668-GW-GW0089-REG	02 JUN 2011	14:57	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0089	KAFB10668-GW-GW0089-REG	02 JUN 2011	14:57	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
-02 GW0089	KAFB10668-GW-GW0089-REG	02 JUN 2011	14:57	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
-01 GW0089	KAFB10668-GW-GW0089-REG	02 JUN 2011	14:57	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0089	KAFB10668-GW-GW0089-REG	02 JUN 2011	14:57	1000 mL A GLASS	2	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		

KIRTLAND_015 Summ Package

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW054

1106026

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-02	GW0089	KAFB10668-GW-GW0089-REG	02 JUN 2011	14:57	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
-01	GW0089	KAFB10668-GW-GW0089-REG	02 JUN 2011	14:57	250 mL HDPE	1	H2SO4<pH 2	Ammonia by SM4500B,D			N		
	GW0089	KAFB10668-GW-GW0089-REG	02 JUN 2011	14:57	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0089	KAFB10668-GW-GW0089-REG	02 JUN 2011	14:57	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0089	KAFB10668-GW-GW0089-REG	02 JUN 2011	14:57	250 mL HDPE	1	None except cool to 4 C	Chloride, Nitrate, and Sulfate by EPA 300, Alkalinity by SM2320B			N		
-03	GW0111	KAFB0016-GW-GW0111-REG	02 JUN 2011	08:36	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0111	KAFB0016-GW-GW0111-REG	02 JUN 2011	08:36	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0111	KAFB0016-GW-GW0111-REG	02 JUN 2011	08:36	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0111	KAFB0016-GW-GW0111-REG	02 JUN 2011	08:36	1000 mL A GLASS	2	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
-04	GW0111	KAFB0016-GW-GW0111-REG	02 JUN 2011	08:36	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
-03	GW0111	KAFB0016-GW-GW0111-REG	02 JUN 2011	08:36	250 mL HDPE	1	None except cool to 4 C	Chloride, Nitrate, and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0111	KAFB0016-GW-GW0111-REG	02 JUN 2011	08:36	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0111	KAFB0016-GW-GW0111-REG	02 JUN 2011	08:36	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0111	KAFB0016-GW-GW0111-REG	02 JUN 2011	08:36	250 mL HDPE	1	H2SO4<pH 2	Ammonia by SM4500B,D			N		
-04	GW0111	KAFB0016-GW-GW0111-REG	02 JUN 2011	08:36	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
-03	GW0111	KAFB0016-GW-GW0111-REG	02 JUN 2011	08:36	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
-05	GW8014-AB	FIELDQC-BW-GW8014-AB-AB	02 JUN 2011	08:36	40 mL VOA VIAL	2	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
-06	GW8054-TB	FIELDQC-BW-GW8054-TB-TB	02 JUN 2011	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

1105026 RT

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: H06026 Number of Coolers: 1 of 1

Client: Shaw Project: Kirtland AFB

Date/Time Received: 6.3.11 0900 Date cooler(s) opened: 6.3.11

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: 4652

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

How many: 1 Seal date: 6.2.11 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: 3.8 °C Correction Factor: +1.4 °C Final Value: 5.2 °C

Dates samples were logged-in: 6.3.11

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 metals and ammonia was <2

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW055

20

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

Samples Shipment Date: 03 JUN 2011
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/873979801574

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 Y Archive (mos.)

1. Relinquished By (Signature/Affiliation) Shaw Env — Date: 6/3/11 Time: 1608
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) Reginald Fulley — Date: 6.4.11 Time: 11:00

Comments:

1106048

	Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-01	GW0090	KAFB10669-GW-GW0090-REG	03 JUN 2011	11:16	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0090	KAFB10669-GW-GW0090-REG	03 JUN 2011	11:16	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0090	KAFB10669-GW-GW0090-REG	03 JUN 2011	11:16	1000 mL A GLASS	2	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0090	KAFB10669-GW-GW0090-REG	03 JUN 2011	11:16	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0090	KAFB10669-GW-GW0090-REG	03 JUN 2011	11:16	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
-02	GW0090	KAFB10669-GW-GW0090-REG	03 JUN 2011	11:16	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		

KIRTLAND_015 Summ Package

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW055

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-01	GW0090	KAFB10669-GW-GW0090-REG	03 JUN 2011	11:16	250 mL HDPE	1	H2SO4<pH 2	Ammonia by SM4500B,D			N		
	GW0090	KAFB10669-GW-GW0090-REG	03 JUN 2011	11:16	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0090	KAFB10669-GW-GW0090-REG	03 JUN 2011	11:16	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0090	KAFB10669-GW-GW0090-REG	03 JUN 2011	11:16	250 mL HDPE	1	None except cool to 4 C	Chloride, Nitrate, and Sulfate by EPA 300, Alkalinity by SM2320B			N		
-02	GW0090	KAFB10669-GW-GW0090-REG	03 JUN 2011	11:16	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
-03	GW0114	KAFB10667-GW-GW0114-REG	03 JUN 2011	14:42	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0114	KAFB10667-GW-GW0114-REG	03 JUN 2011	14:42	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0114	KAFB10667-GW-GW0114-REG	03 JUN 2011	14:42	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0114	KAFB10667-GW-GW0114-REG	03 JUN 2011	14:42	1000 mL A GLASS	2	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0114	KAFB10667-GW-GW0114-REG	03 JUN 2011	14:42	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
-04	GW0114	KAFB10667-GW-GW0114-REG	03 JUN 2011	14:42	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
-03	GW0114	KAFB10667-GW-GW0114-REG	03 JUN 2011	14:42	250 mL HDPE	1	None except cool to 4 C	Chloride, Nitrate, and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0114	KAFB10667-GW-GW0114-REG	03 JUN 2011	14:42	250 mL HDPE	1	H2SO4<pH 2	Ammonia by SM4500B,D			N		
	GW0114	KAFB10667-GW-GW0114-REG	03 JUN 2011	14:42	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0114	KAFB10667-GW-GW0114-REG	03 JUN 2011	14:42	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
-05	GW8055-TB	FIELDQC-BW-GW8055-TB-TB	03 JUN 2011	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 1106048 Number of Coolers: 1 of 1

Client: Shaw E+I Project: Kirtland AFB

Date/Time Received: 6.4.11 Date cooler(s) opened: 6.4.11

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: 1574

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

How many: — Seal date: — 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: 0.7 °C Correction Factor: +1.4 °C Final Value: 2.1 °C

Dates samples were logged-in: 6.5.11

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 metals and ammonia were <2
Ph for sulfide was >9

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 1106048 Number of Coolers: 1 of 1 RT

Client: Shaw E&I Project: Kirtland AFB

Date/Time Received: 6.4.11 Date cooler(s) opened: 6.4.11

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: 2633

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

How many: — Seal date: — 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: 1.4 °C Correction Factor: +1.4 °C Final Value: 2.8 °C

Dates samples were logged-in: 6.5.11

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: _____

See pg1

WORK ORDER

1106002

Printed: 6/29/2011 12:58:28PM

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: 06/22/2011 16:00 (15 day TAT)

Received By: Chris Donald

Logged In By: Chris Donald

Date Received: 06/01/2011 09:00

Date Logged In 06/01/2011 12:14

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

1106002

Printed: 6/29/2011 12:58:28PM

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
1106002-01 GW0100 [Water] Sampled 05/31/2011 14:15 Mountain					
SM4500S2CF	06/17/2011 14:00	15	06/07/2011 15:15		
SW8015B DRO	06/17/2011 14:00	15	06/07/2011 15:15		
SW8011	06/17/2011 14:00	15	06/14/2011 15:15		
SW8270C	06/17/2011 14:00	15	06/07/2011 15:15		
SW8015B GRO	06/17/2011 14:00	15	06/14/2011 15:15		
SW8260B	06/17/2011 14:00	15	06/14/2011 15:15		
SM2320B	06/17/2011 14:00	15	06/14/2011 15:15		carb/bicarb
SM4500NH3BG	06/17/2011 14:00	15	06/28/2011 15:15		
E300.0	06/17/2011 14:00	15	06/28/2011 15:15		Cl, SO4
SW6010B	06/17/2011 14:00	15	11/27/2011 15:15		Ca, Pb, K, Na, Mg
E300.0	06/17/2011 14:00	15	06/02/2011 15:15		NO3
1106002-02 GW0100 [Water] Sampled 05/31/2011 14:15 Mountain					**Field Filtered and Preserved**
SW6010B	06/17/2011 14:00	15	11/27/2011 15:15		Fe & Mn, Field Filtered and Preserved

WORK ORDER

1106002

Printed: 6/29/2011 12:58:28PM

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
1106002-03 GW0101 [Water] Sampled 05/31/2011 11:09 Mountain					
SM4500S2CF	06/17/2011 14:00	15	06/07/2011 12:09		
SW6010B	06/17/2011 14:00	15	11/27/2011 12:09		Ca, Pb, K, Na, Mg
SW8015B DRO	06/17/2011 14:00	15	06/07/2011 12:09		
SW8011	06/17/2011 14:00	15	06/14/2011 12:09		
SW8270C	06/17/2011 14:00	15	06/07/2011 12:09		
SW8015B GRO	06/17/2011 14:00	15	06/14/2011 12:09		
SW8260B	06/17/2011 14:00	15	06/14/2011 12:09		
SM2320B	06/17/2011 14:00	15	06/14/2011 12:09		carb/bicarb
SM4500NH3BG	06/17/2011 14:00	15	06/28/2011 12:09		
E300.0	06/17/2011 14:00	15	06/28/2011 12:09		Cl, SO4
E300.0	06/17/2011 14:00	15	06/02/2011 12:09		NO3
1106002-04 GW0101 [Water] Sampled 05/31/2011 11:09 Mountain					**Field Filtered and Preserved**
SW6010B	06/17/2011 14:00	15	11/27/2011 12:09		Fe & Mn, Field Filtered and Preserved
1106002-05 GW8052-TB [Water] Sampled 05/31/2011 08:00 Central					
SW8260B	06/17/2011 14:00	15	06/14/2011 08:00		

WORK ORDER

1106013

Printed: 6/29/2011 1:01:27PM

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: 06/23/2011 16:00 (15 day TAT)

Received By: Chris Donald

Logged In By: Chris Donald

Date Received: 06/02/2011 09:00

Date Logged In 06/02/2011 11:34

Samples Received at: **4.5°C**

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

Analysis	Due	TAT	Expires	Version	Comments

WORK ORDER

1106013

Printed: 6/29/2011 1:01:27PM

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
1106013-01 GW0103 [Water] Sampled 06/01/2011 15:55 Mountain					
SW8015B DRO	06/20/2011 14:00	15	06/08/2011 16:55		
SW8011	06/20/2011 14:00	15	06/15/2011 16:55		
SW8270C	06/20/2011 14:00	15	06/08/2011 16:55		
SW8015B GRO	06/20/2011 14:00	15	06/15/2011 16:55		
SW8260B	06/20/2011 14:00	15	06/15/2011 16:55		
SM2320B	06/20/2011 14:00	15	06/15/2011 16:55		carb/bicarb
SM4500NH3BG	06/20/2011 14:00	15	06/29/2011 16:55		
E300.0	06/20/2011 14:00	15	06/29/2011 16:55		Cl, SO4
E300.0	06/20/2011 14:00	15	06/03/2011 16:55		NO3
SM4500S2CF	06/20/2011 14:00	15	06/08/2011 16:55		
SW6010B	06/20/2011 14:00	15	11/28/2011 16:55		Ca, Pb, K, Na, Mg
1106013-02 GW0103 [Water] Sampled 06/01/2011 15:55 Mountain					**Field Filtered and Preserved**
SW6010B	06/20/2011 14:00	15	11/28/2011 16:55		Fe & Mn, Field Filtered and Preserved

WORK ORDER

1106013

Printed: 6/29/2011 1:01:27PM

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
1106013-03 GW0104 [Water] Sampled 06/01/2011 12:22 Mountain					
SW8015B DRO	06/20/2011 14:00	15	06/08/2011 13:22		
SW8011	06/20/2011 14:00	15	06/15/2011 13:22		
SW8270C	06/20/2011 14:00	15	06/08/2011 13:22		
SW8015B GRO	06/20/2011 14:00	15	06/15/2011 13:22		
SW8260B	06/20/2011 14:00	15	06/15/2011 13:22		
SM2320B	06/20/2011 14:00	15	06/15/2011 13:22		carb/bicarb
SM4500NH3BG	06/20/2011 14:00	15	06/29/2011 13:22		
E300.0	06/20/2011 14:00	15	06/29/2011 13:22		Cl, SO4
E300.0	06/20/2011 14:00	15	06/03/2011 13:22		NO3
SM4500S2CF	06/20/2011 14:00	15	06/08/2011 13:22		
SW6010B	06/20/2011 14:00	15	11/28/2011 13:22		Ca, Pb, K, Na, Mg
1106013-04 GW0104 [Water] Sampled 06/01/2011 12:22 Mountain					**Field Filtered and Preserved**
SW6010B	06/20/2011 14:00	15	11/28/2011 13:22		Fe & Mn, Field Filtered and Preserved
1106013-05 GW8053-TB [Water] Sampled 06/01/2011 08:00 Mountain					
SW8260B	06/20/2011 14:00	15	06/15/2011 09:00		

WORK ORDER

Printed: 6/29/2011 1:02:22PM

1106026

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: 06/24/2011 16:00 (15 day TAT)

Received By: Reginald Talley

Logged In By: Reginald Talley

Date Received: 06/03/2011 09:00

Date Logged In 06/03/2011 10:36

Samples Received at: **5.2°C**

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

Analysis	Due	TAT	Expires	Version	Comments

30
KIRTLAND_015 Summ Package

WORK ORDER

1106026

Printed: 6/29/2011 1:02:22PM

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
1106026-01 GW0089 [Water] Sampled 06/02/2011 14:57 Mountain					
SW8015B DRO	06/21/2011 14:00	15	06/09/2011 15:57		
SW8011	06/21/2011 14:00	15	06/16/2011 15:57		
SW8270C	06/21/2011 14:00	15	06/09/2011 15:57		
SW8015B GRO	06/21/2011 14:00	15	06/16/2011 15:57		
SW8260B	06/21/2011 14:00	15	06/16/2011 15:57		
SM2320B	06/21/2011 14:00	15	06/16/2011 15:57		carb/bicarb
SM4500NH3BG	06/21/2011 14:00	15	06/30/2011 15:57		
E300.0	06/21/2011 14:00	15	06/30/2011 15:57		Cl, SO4
E300.0	06/21/2011 14:00	15	06/04/2011 15:57		NO3
SM4500S2CF	06/21/2011 14:00	15	06/09/2011 15:57		
SW6010B	06/21/2011 14:00	15	11/29/2011 15:57		Ca, Pb, K, Na, Mg
1106026-02 GW0089 [Water] Sampled 06/02/2011 14:57 Mountain					
SW6010B	06/21/2011 14:00	15	11/29/2011 15:57		Fe & Mn

WORK ORDER

1106026

Printed: 6/29/2011 1:02:22PM

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
1106026-03 GW0111 [Water] Sampled 06/02/2011 08:36 Mountain					
SW8015B DRO	06/21/2011 14:00	15	06/09/2011 09:36		
SW8011	06/21/2011 14:00	15	06/16/2011 09:36		
SW8270C	06/21/2011 14:00	15	06/09/2011 09:36		
SW8015B GRO	06/21/2011 14:00	15	06/16/2011 09:36		
SW8260B	06/21/2011 14:00	15	06/16/2011 09:36		
SM2320B	06/21/2011 14:00	15	06/16/2011 09:36		carb/bicarb
SM4500NH3BG	06/21/2011 14:00	15	06/30/2011 09:36		
E300.0	06/21/2011 14:00	15	06/30/2011 09:36		Cl, SO4
E300.0	06/21/2011 14:00	15	06/04/2011 09:36		NO3
SM4500S2CF	06/21/2011 14:00	15	06/09/2011 09:36		
SW6010B	06/21/2011 14:00	15	11/29/2011 09:36		Ca, Pb, K, Na, Mg
1106026-04 GW0111 [Water] Sampled 06/02/2011 08:36 Mountain					
SW6010B	06/21/2011 14:00	15	11/29/2011 09:36		Fe & Mn
1106026-05 GW8014-AB [Water] Sampled 06/02/2011 08:36 Mountain					
SW8015B GRO	06/21/2011 14:00	15	06/16/2011 09:36		
1106026-06 GW8054-TB [Water] Sampled 06/02/2011 08:00 Mountain					
SW8260B	06/21/2011 14:00	15	06/16/2011 09:00		

WORK ORDER

1106048

Printed: 6/29/2011 1:03:15PM

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: 06/27/2011 16:00 (15 day TAT)

Received By: William Schwab

Logged In By: William Schwab

Date Received: 06/04/2011 11:00

Date Logged In 06/05/2011 19:22

Samples Received at: **2.1°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

1106048

Printed: 6/29/2011 1:03:15PM

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
1106048-01 GW0090 [Water] Sampled 06/03/2011 11:16 Mountain					
SW8015B DRO	06/22/2011 14:00	15	06/10/2011 12:16		
SW8011	06/22/2011 14:00	15	06/17/2011 12:16		
SW8270C	06/22/2011 14:00	15	06/10/2011 12:16		
SW8015B GRO	06/22/2011 14:00	15	06/17/2011 12:16		
SW8260B	06/22/2011 14:00	15	06/17/2011 12:16		
SM2320B	06/22/2011 14:00	15	06/17/2011 12:16		carb/bicarb
SM4500NH3BG	06/22/2011 14:00	15	07/01/2011 12:16		
E300.0	06/22/2011 14:00	15	07/01/2011 12:16		Cl, SO4
E300.0	06/22/2011 14:00	15	06/05/2011 12:16		NO3
SM4500S2CF	06/22/2011 14:00	15	06/10/2011 12:16		
SW6010B	06/22/2011 14:00	15	11/30/2011 12:16		Ca, Pb, K, Na, Mg
1106048-02 GW0090 [Water] Sampled 06/03/2011 11:16 Mountain					
SW6010B	06/22/2011 14:00	15	11/30/2011 12:16		Fe & Mn FIELD FILTERED AND PRESERVED!

WORK ORDER

1106048

Printed: 6/29/2011 1:03:15PM

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
1106048-03 GW0114 [Water] Sampled 06/03/2011 14:42 Mountain					
SW8015B DRO	06/22/2011 14:00	15	06/10/2011 15:42		
SW8011	06/22/2011 14:00	15	06/17/2011 15:42		
SW8270C	06/22/2011 14:00	15	06/10/2011 15:42		
SW8015B GRO	06/22/2011 14:00	15	06/17/2011 15:42		
SW8260B	06/22/2011 14:00	15	06/17/2011 15:42		
SM2320B	06/22/2011 14:00	15	06/17/2011 15:42		carb/bicarb
SM4500NH3BG	06/22/2011 14:00	15	07/01/2011 15:42		
E300.0	06/22/2011 14:00	15	07/01/2011 15:42		Cl, SO4
E300.0	06/22/2011 14:00	15	06/05/2011 15:42		NO3
SM4500S2CF	06/22/2011 14:00	15	06/10/2011 15:42		
SW6010B	06/22/2011 14:00	15	11/30/2011 15:42		Ca, Pb, K, Na, Mg
1106048-04 GW0114 [Water] Sampled 06/03/2011 14:42 Mountain					
SW6010B	06/22/2011 14:00	15	11/30/2011 15:42		Fe & Mn FIELD FILTERED AND PRESERVED!
1106048-05 GW8055-TB [Water] Sampled 06/03/2011 08:00 Mountain					
SW8260B	06/22/2011 14:00	15	06/17/2011 09:00		

Sample Delivery Group Assignment Form

CLIENT: Shaw E & I (I700)
PROJECT NAME: Kirtland AFB 2011
SDG #: Kirtland_015
MATRIX: Water

QC LEVEL: Level IV
Report Due: 6/22/2011 - 6/27/2011
Client Sample Count: 17

Sample Type	Sampled	Received	Lab ID	Client ID	E300.0	SM2320B	SM4500NH3BG	SM4500S2CF	SW6010B
Client Sample	5/31/2011	6/1/2011	1106002-01	GW0100	X	X	X	X	X
Client Sample	5/31/2011	6/1/2011	1106002-02	GW0100					Field Filtered and Preserved
Client Sample	5/31/2011	6/1/2011	1106002-03	GW0101	X	X	X	X	X
Client Sample	5/31/2011	6/1/2011	1106002-04	GW0101					Field Filtered and Preserved
Trip Blank	5/31/2011	6/1/2011	1106002-05	GW8052-TB					
Client Sample	6/1/2011	6/2/2011	1106013-01	GW0103	X	X	X	X	X
Client Sample	6/1/2011	6/2/2011	1106013-02	GW0103					Field Filtered and Preserved
Client Sample	6/1/2011	6/2/2011	1106013-03	GW0104	X	X	X	X	X
Client Sample	6/1/2011	6/2/2011	1106013-04	GW0104					Field Filtered and Preserved
Trip Blank	6/1/2011	6/2/2011	1106013-05	GW8053-TB					
Client Sample	6/2/2011	6/3/2011	1106026-01	GW0089	X	X	X	X	X
Client Sample	6/2/2011	6/3/2011	1106026-02	GW0089					X
Client Sample	6/2/2011	6/3/2011	1106026-03	GW0111	X	X	X	X	X
Client Sample	6/2/2011	6/3/2011	1106026-04	GW0111					X
Client Sample	6/2/2011	6/3/2011	1106026-05	GW8014-AB					
Trip Blank	6/2/2011	6/3/2011	1106026-06	GW8054-TB					
Client Sample	6/3/2011	6/4/2011	1106048-01	GW0090	X	X	X	X	X
Client Sample	6/3/2011	6/4/2011	1106048-02	GW0090					X
Client Sample	6/3/2011	6/4/2011	1106048-03	GW0114	X	X	X	X	X
Client Sample	6/3/2011	6/4/2011	1106048-04	GW0114					X
Trip Blank	6/3/2011	6/4/2011	1106048-05	GW8055-TB					

Sample Type	Sampled	Received	Lab ID	Client ID	SW8011/W8015B DR	SW8015B GRO	SW8260B	SW8270C
Client Sample	5/31/2011	6/1/2011	1106002-01	GW0100	X	X	X	X
Client Sample	5/31/2011	6/1/2011	1106002-02	GW0100				
Client Sample	5/31/2011	6/1/2011	1106002-03	GW0101	X	X	X	X
Client Sample	5/31/2011	6/1/2011	1106002-04	GW0101				
Trip Blank	5/31/2011	6/1/2011	1106002-05	GW8052-TB			X	
Client Sample	6/1/2011	6/2/2011	1106013-01	GW0103	X	X	X	X
Client Sample	6/1/2011	6/2/2011	1106013-02	GW0103				
Client Sample	6/1/2011	6/2/2011	1106013-03	GW0104	X	X	X	X
Client Sample	6/1/2011	6/2/2011	1106013-04	GW0104				
Trip Blank	6/1/2011	6/2/2011	1106013-05	GW8053-TB			X	
Client Sample	6/2/2011	6/3/2011	1106026-01	GW0089	X	X	X	X
Client Sample	6/2/2011	6/3/2011	1106026-02	GW0089				
Client Sample	6/2/2011	6/3/2011	1106026-03	GW0111	X	X	X	X
Client Sample	6/2/2011	6/3/2011	1106026-04	GW0111				
Client Sample	6/2/2011	6/3/2011	1106026-05	GW8014-AB		X		
Trip Blank	6/2/2011	6/3/2011	1106026-06	GW8054-TB			X	
Client Sample	6/3/2011	6/4/2011	1106048-01	GW0090	X	X	X	X
Client Sample	6/3/2011	6/4/2011	1106048-02	GW0090				
Client Sample	6/3/2011	6/4/2011	1106048-03	GW0114	X	X	X	X
Client Sample	6/3/2011	6/4/2011	1106048-04	GW0114				
Trip Blank	6/3/2011	6/4/2011	1106048-05	GW8055-TB			X	

Data for SW8260B Forms

ANALYSIS DATA SHEET

GW0100

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106002-01	File ID:	0600201.D
Sampled:	05/31/11 14:15	Prepared:	06/07/11 00:00	Analyzed:	06/07/11 12:55
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1F07002 Sequence: 1F15906 Calibration: 1154004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	21.4	2.50	5.00	10.0	Y
71-43-2	Benzene	1.03	0.250	0.500	1.00	
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	X, U
78-93-3	2-Butanone	2.84	2.50	5.00	10.0	Y, J
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	X, U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	Y, U
106-93-4	1,2-Dibromoethane (EDB)	1.43	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		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane	2.90	0.250	0.500	1.00	
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	0.647	0.250	0.500	1.00	J
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0100

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106002-01	File ID:	0600201.D
Sampled:	05/31/11 14:15	Prepared:	06/07/11 00:00	Analyzed:	06/07/11 12:55
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1F07002 Sequence: 1F15906 Calibration: 1154004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	Y, U
98-82-8	Isopropylbenzene	2.39	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	1.19	0.250	0.500	1.00	
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene	0.435	0.250	0.500	1.00	Y, J
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	Y, U
1634-04-4	Methyl t-Butyl Ether	0.423	0.250	0.500	1.00	J
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	Q, Y, U
108-67-8	1,3,5-Trimethylbenzene	7.91	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	12.6	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	41.7	0.500	1.00	2.00	
95-47-6	o-Xylene	9.96	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.84	103	75 - 120	
Dibromofluoromethane	30.00	29.02	96.7	85 - 115	
1,2-Dichloroethane-d4	30.00	30.23	101	70 - 120	
Toluene-d8	30.00	32.36	108	85 - 120	

ANALYSIS DATA SHEET

GW0101

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106002-03	File ID:	0600203.D
Sampled:	05/31/11 11:09	Prepared:	06/07/11 00:00	Analyzed:	06/07/11 13:21
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1F07002 Sequence: 1F15906 Calibration: 1154004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	6.24	2.50	5.00	10.0	Y, J
71-43-2	Benzene	0.768	0.250	0.500	1.00	J
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	0.336	0.250	0.500	1.00	X, J
78-93-3	2-Butanone		2.50	5.00	10.0	Y, U
135-98-8	sec-Butylbenzene	0.610	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	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	Y, U
106-93-4	1,2-Dibromoethane (EDB)	0.854	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	0.862	0.250	0.500	1.00	J
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	0.454	0.250	0.500	1.00	J
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0101

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106002-03	File ID:	0600203.D
Sampled:	05/31/11 11:09	Prepared:	06/07/11 00:00	Analyzed:	06/07/11 13:21
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1F07002 Sequence: 1F15906 Calibration: 1154004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	Y, U
98-82-8	Isopropylbenzene	7.80	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	0.984	0.250	0.500	1.00	J
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene	0.588	0.250	0.500	1.00	Y, J
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	Y, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene	2.56	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	0.774	0.250	0.500	1.00	J
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene	1.51	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	Q, Y, U
108-67-8	1,3,5-Trimethylbenzene	6.29	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	11.0	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	45.8	0.500	1.00	2.00	
95-47-6	o-Xylene	0.452	0.250	0.500	1.00	J

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.35	97.8	75 - 120	
Dibromofluoromethane	30.00	29.09	97.0	85 - 115	
1,2-Dichloroethane-d4	30.00	29.42	98.1	70 - 120	
Toluene-d8	30.00	32.24	107	85 - 120	

ANALYSIS DATA SHEET

GW8052-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106002-05	File ID:	0600205.D
Sampled:	05/31/11 08:00	Prepared:	06/06/11 00:00	Analyzed:	06/06/11 13:18
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1F06006 Sequence: 1F15803 Calibration: 1154004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	Q, U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Q, Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	Q, U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	X, 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

GW8052-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106002-05	File ID:	0600205.D
Sampled:	05/31/11 08:00	Prepared:	06/06/11 00:00	Analyzed:	06/06/11 13:18
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1F06006 Sequence: 1F15803 Calibration: 1154004 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, U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	Q, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.07	104	75 - 120	
Dibromofluoromethane	30.00	29.28	97.6	85 - 115	
1,2-Dichloroethane-d4	30.00	29.54	98.5	70 - 120	
Toluene-d8	30.00	31.87	106	85 - 120	

ANALYSIS DATA SHEET

GW0103

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106013-01	File ID:	0601301.D
Sampled:	06/01/11 15:55	Prepared:	06/06/11 00:00	Analyzed:	06/06/11 14:37
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1F06006 Sequence: 1F15803 Calibration: 1154004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	Q, U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Q, Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	Q, U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	X, 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

GW0103

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106013-01	File ID:	0601301.D
Sampled:	06/01/11 15:55	Prepared:	06/06/11 00:00	Analyzed:	06/06/11 14:37
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1F06006 Sequence: 1F15803 Calibration: 1154004 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, U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	Q, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.06	104	75 - 120	
Dibromofluoromethane	30.00	29.42	98.1	85 - 115	
1,2-Dichloroethane-d4	30.00	29.75	99.2	70 - 120	
Toluene-d8	30.00	31.45	105	85 - 120	

ANALYSIS DATA SHEET

GW0104

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106013-03	File ID:	0601303.D
Sampled:	06/01/11 12:22	Prepared:	06/06/11 00:00	Analyzed:	06/06/11 15:03
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1F06006 Sequence: 1F15803 Calibration: 1154004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	Q, U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Q, Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	Q, U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	X, 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

GW0104

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106013-03	File ID:	0601303.D
Sampled:	06/01/11 12:22	Prepared:	06/06/11 00:00	Analyzed:	06/06/11 15:03
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1F06006 Sequence: 1F15803 Calibration: 1154004 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, U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	Q, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene	0.271	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	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	30.03	100	75 - 120	
Dibromofluoromethane	30.00	29.24	97.5	85 - 115	
1,2-Dichloroethane-d4	30.00	30.31	101	70 - 120	
Toluene-d8	30.00	31.07	104	85 - 120	

ANALYSIS DATA SHEET

GW8053-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106013-05	File ID:	0601305.D
Sampled:	06/01/11 08:00	Prepared:	06/06/11 00:00	Analyzed:	06/06/11 13:44
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1F06006 Sequence: 1F15803 Calibration: 1154004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	Q, U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Q, Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	Q, U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	X, 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

GW8053-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106013-05	File ID:	0601305.D
Sampled:	06/01/11 08:00	Prepared:	06/06/11 00:00	Analyzed:	06/06/11 13:44
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1F06006 Sequence: 1F15803 Calibration: 1154004 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, U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	Q, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.68	102	75 - 120	
Dibromofluoromethane	30.00	29.43	98.1	85 - 115	
1,2-Dichloroethane-d4	30.00	30.03	100	70 - 120	
Toluene-d8	30.00	31.27	104	85 - 120	

ANALYSIS DATA SHEET

GW0089

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106026-01	File ID:	0602601.D
Sampled:	06/02/11 14:57	Prepared:	06/07/11 00:00	Analyzed:	06/07/11 23:23
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1F07023 Sequence: 1F15904 Calibration: 1154004 Instrument: MS-VOA4

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

ANALYSIS DATA SHEET

GW0089

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106026-01	File ID:	0602601.D
Sampled:	06/02/11 14:57	Prepared:	06/07/11 00:00	Analyzed:	06/07/11 23:23
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1F07023 Sequence: 1F15904 Calibration: 1154004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene	0.517	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	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	30.54	102	75 - 120	
Dibromofluoromethane	30.00	29.46	98.2	85 - 115	
1,2-Dichloroethane-d4	30.00	29.26	97.5	70 - 120	
Toluene-d8	30.00	31.29	104	85 - 120	

ANALYSIS DATA SHEET

GW0111

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106026-03	File ID:	0602603.D
Sampled:	06/02/11 08:36	Prepared:	06/07/11 00:00	Analyzed:	06/07/11 23:49
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1F07023 Sequence: 1F15904 Calibration: 1154004 Instrument: MS-VOA4

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

ANALYSIS DATA SHEET

GW0111

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106026-03	File ID:	0602603.D
Sampled:	06/02/11 08:36	Prepared:	06/07/11 00:00	Analyzed:	06/07/11 23:49
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1F07023 Sequence: 1F15904 Calibration: 1154004 Instrument: MS-VOA4

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.28	97.6	75 - 120	
Dibromofluoromethane	30.00	28.73	95.8	85 - 115	
1,2-Dichloroethane-d4	30.00	29.20	97.3	70 - 120	
Toluene-d8	30.00	31.59	105	85 - 120	

ANALYSIS DATA SHEET

GW8054-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106026-06	File ID:	0602606.D
Sampled:	06/02/11 08:00	Prepared:	06/07/11 00:00	Analyzed:	06/07/11 21:38
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1F07023 Sequence: 1F15904 Calibration: 1154004 Instrument: MS-VOA4

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

ANALYSIS DATA SHEET

GW8054-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106026-06	File ID:	0602606.D
Sampled:	06/02/11 08:00	Prepared:	06/07/11 00:00	Analyzed:	06/07/11 21:38
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1F07023 Sequence: 1F15904 Calibration: 1154004 Instrument: MS-VOA4

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.47	98.2	75 - 120	
Dibromofluoromethane	30.00	29.43	98.1	85 - 115	
1,2-Dichloroethane-d4	30.00	29.52	98.4	70 - 120	
Toluene-d8	30.00	31.33	104	85 - 120	

ANALYSIS DATA SHEET

GW0090

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106048-01	File ID:	0604801.D
Sampled:	06/03/11 11:16	Prepared:	06/10/11 00:00	Analyzed:	06/10/11 12:43
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1F10001 Sequence: 1F16201 Calibration: 1154004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	Y, 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	Y, U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	X, U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	Q, X, 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	Y, 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	0.538	0.500	1.00	2.00	X, J
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	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

GW0090

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106048-01	File ID:	0604801.D
Sampled:	06/03/11 11:16	Prepared:	06/10/11 00:00	Analyzed:	06/10/11 12:43
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1F10001 Sequence: 1F16201 Calibration: 1154004 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	Y, 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	0.251	0.250	0.500	1.00	J
108-88-3	Toluene	0.284	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	Y, U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.51	105	75 - 120	
Dibromofluoromethane	30.00	29.18	97.3	85 - 115	
1,2-Dichloroethane-d4	30.00	30.01	100	70 - 120	
Toluene-d8	30.00	32.41	108	85 - 120	

ANALYSIS DATA SHEET

GW0114

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106048-03	File ID:	0604803.D
Sampled:	06/03/11 14:42	Prepared:	06/10/11 00:00	Analyzed:	06/10/11 13:09
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1F10001 Sequence: 1F16201 Calibration: 1154004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	11.8	2.50	5.00	10.0	Y
71-43-2	Benzene	189	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	0.324	0.250	0.500	1.00	J
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	0.569	0.250	0.500	1.00	J
78-93-3	2-Butanone		2.50	5.00	10.0	Y, U
135-98-8	sec-Butylbenzene	0.524	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	0.412	0.250	0.500	1.00	J
75-00-3	Chloroethane		0.500	1.00	2.00	X, U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	Q, X, 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	Y, 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	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane	0.905	0.250	0.500	1.00	J
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	31.4	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0114

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106048-03	File ID:	0604803.D
Sampled:	06/03/11 14:42	Prepared:	06/10/11 00:00	Analyzed:	06/10/11 13:09
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1F10001 Sequence: 1F16201 Calibration: 1154004 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	4.77	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	1.70	0.250	0.500	1.00	
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene	7.16	0.250	0.500	1.00	Y
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	3.26	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		0.250	0.500	1.00	U
108-88-3	Toluene	15.9	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	Y, U
108-67-8	1,3,5-Trimethylbenzene	11.9	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	28.0	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	54.1	0.500	1.00	2.00	
95-47-6	o-Xylene	23.5	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.99	100	75 - 120	
Dibromofluoromethane	30.00	29.42	98.1	85 - 115	
1,2-Dichloroethane-d4	30.00	28.47	94.9	70 - 120	
Toluene-d8	30.00	32.05	107	85 - 120	

ANALYSIS DATA SHEET

GW8055-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106048-05	File ID:	0604805.D
Sampled:	06/03/11 08:00	Prepared:	06/10/11 00:00	Analyzed:	06/10/11 10:05
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1F10001 Sequence: 1F16201 Calibration: 1154004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	Y, 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	Y, U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	X, U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	Q, X, 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	Y, 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	X, 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

GW8055-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106048-05	File ID:	0604805.D
Sampled:	06/03/11 08:00	Prepared:	06/10/11 00:00	Analyzed:	06/10/11 10:05
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1F10001 Sequence: 1F16201 Calibration: 1154004 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	Y, 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	Y, 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	30.54	102	75 - 120	
Dibromofluoromethane	30.00	28.53	95.1	85 - 115	
1,2-Dichloroethane-d4	30.00	29.22	97.4	70 - 120	
Toluene-d8	30.00	30.16	101	85 - 120	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F15803	Instrument:	MS-VOA4
		Calibration:	1154004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1F15803-CCV1) ug/L				Lab File ID: 0606CCV1.D		Analyzed: 06/06/11 09:04		
Bromofluorobenzene	30.00	114	80 - 120	12.319	12.319	0.0000	+/-1.000	
Dibromofluoromethane	30.00	100	80 - 120	6.982	6.982	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.8	80 - 120	7.475	7.475	0.0000	+/-1.000	
Toluene-d8	30.00	119	80 - 120	9.695	9.695	0.0000	+/-1.000	
LCS (1F06006-BS1) ug/L				Lab File ID: 0606LCS1.D		Analyzed: 06/06/11 09:44		
Bromofluorobenzene	30.00	109	75 - 120	12.314	12.319	-0.0050	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.977	6.982	-0.0050	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.48	7.475	0.0050	+/-1.000	
Toluene-d8	30.00	114	85 - 120	9.69	9.695	-0.0050	+/-1.000	
Blank (1F06006-BLK1) ug/L				Lab File ID: 0606BLK1.D		Analyzed: 06/06/11 11:02		
Bromofluorobenzene	30.00	105	75 - 120	12.305	12.319	-0.0140	+/-1.000	
Dibromofluoromethane	30.00	95.9	85 - 115	6.978	6.982	-0.0040	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.1	70 - 120	7.471	7.475	-0.0040	+/-1.000	
Toluene-d8	30.00	105	85 - 120	9.691	9.695	-0.0040	+/-1.000	
GW8052-TB (1106002-05) ug/L				Lab File ID: 0600205.D		Analyzed: 06/06/11 13:18		
Bromofluorobenzene	30.00	104	75 - 120	12.305	12.319	-0.0140	+/-1.000	
Dibromofluoromethane	30.00	97.6	85 - 115	6.978	6.982	-0.0040	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.5	70 - 120	7.471	7.475	-0.0040	+/-1.000	
Toluene-d8	30.00	106	85 - 120	9.691	9.695	-0.0040	+/-1.000	
GW8053-TB (1106013-05) ug/L				Lab File ID: 0601305.D		Analyzed: 06/06/11 13:44		
Bromofluorobenzene	30.00	102	75 - 120	12.313	12.319	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	98.1	85 - 115	6.976	6.982	-0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	100	70 - 120	7.47	7.475	-0.0050	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.689	9.695	-0.0060	+/-1.000	
GW0103 (1106013-01) ug/L				Lab File ID: 0601301.D		Analyzed: 06/06/11 14:37		
Bromofluorobenzene	30.00	104	75 - 120	12.313	12.319	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	98.1	85 - 115	6.976	6.982	-0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.2	70 - 120	7.469	7.475	-0.0060	+/-1.000	
Toluene-d8	30.00	105	85 - 120	9.689	9.695	-0.0060	+/-1.000	
GW0104 (1106013-03) ug/L				Lab File ID: 0601303.D		Analyzed: 06/06/11 15:03		
Bromofluorobenzene	30.00	100	75 - 120	12.315	12.319	-0.0040	+/-1.000	
Dibromofluoromethane	30.00	97.5	85 - 115	6.978	6.982	-0.0040	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.471	7.475	-0.0040	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.691	9.695	-0.0040	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F15803	Instrument:	MS-VOA4
		Calibration:	1154004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
LCS Dup (1F06006-BSD1) ug/L				Lab File ID: 0606LD1.D		Analyzed: 06/06/11 18:34		
Bromofluorobenzene	30.00	109	75 - 120	12.329	12.319	0.0100	+/-1.000	
Dibromofluoromethane	30.00	96.8	85 - 115	7.002	6.982	0.0200	+/-1.000	
1,2-Dichloroethane-d4	30.00	97.6	70 - 120	7.496	7.475	0.0210	+/-1.000	
Toluene-d8	30.00	109	85 - 120	9.705	9.695	0.0100	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F15904	Instrument:	MS-VOA4
		Calibration:	1154004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1F15904-CCV1) ug/L				Lab File ID: 0607CCVE.D		Analyzed: 06/07/11 19:29		
Bromofluorobenzene	30.00	109	80 - 120	12.323	12.323	0.0000	+/-1.000	
Dibromofluoromethane	30.00	100	80 - 120	6.986	6.986	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	80 - 120	7.489	7.489	0.0000	+/-1.000	
Toluene-d8	30.00	113	80 - 120	9.698	9.698	0.0000	+/-1.000	
LCS (1F07023-BS1) ug/L				Lab File ID: 0607LCSE.D		Analyzed: 06/07/11 19:56		
Bromofluorobenzene	30.00	109	75 - 120	12.317	12.323	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	96.5	85 - 115	6.99	6.986	0.0040	+/-1.000	
1,2-Dichloroethane-d4	30.00	96.1	70 - 120	7.483	7.489	-0.0060	+/-1.000	
Toluene-d8	30.00	110	85 - 120	9.703	9.698	0.0050	+/-1.000	
Blank (1F07023-BLK1) ug/L				Lab File ID: 0607BLKE.D		Analyzed: 06/07/11 21:12		
Bromofluorobenzene	30.00	102	75 - 120	12.319	12.323	-0.0040	+/-1.000	
Dibromofluoromethane	30.00	96.1	85 - 115	6.992	6.986	0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.7	70 - 120	7.485	7.489	-0.0040	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.704	9.698	0.0060	+/-1.000	
GW8054-TB (1106026-06) ug/L				Lab File ID: 0602606.D		Analyzed: 06/07/11 21:38		
Bromofluorobenzene	30.00	98.2	75 - 120	12.317	12.323	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	98.1	85 - 115	6.99	6.986	0.0040	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.4	70 - 120	7.483	7.489	-0.0060	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.703	9.698	0.0050	+/-1.000	
GW0089 (1106026-01) ug/L				Lab File ID: 0602601.D		Analyzed: 06/07/11 23:23		
Bromofluorobenzene	30.00	102	75 - 120	12.318	12.323	-0.0050	+/-1.000	
Dibromofluoromethane	30.00	98.2	85 - 115	6.991	6.986	0.0050	+/-1.000	
1,2-Dichloroethane-d4	30.00	97.5	70 - 120	7.484	7.489	-0.0050	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.703	9.698	0.0050	+/-1.000	
GW0111 (1106026-03) ug/L				Lab File ID: 0602603.D		Analyzed: 06/07/11 23:49		
Bromofluorobenzene	30.00	97.6	75 - 120	12.323	12.323	0.0000	+/-1.000	
Dibromofluoromethane	30.00	95.8	85 - 115	6.986	6.986	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	97.3	70 - 120	7.479	7.489	-0.0100	+/-1.000	
Toluene-d8	30.00	105	85 - 120	9.699	9.698	0.0010	+/-1.000	
LCS Dup (1F07023-BSD1) ug/L				Lab File ID: 0607LDE.D		Analyzed: 06/08/11 00:42		
Bromofluorobenzene	30.00	105	75 - 120	12.318	12.323	-0.0050	+/-1.000	
Dibromofluoromethane	30.00	98.0	85 - 115	6.991	6.986	0.0050	+/-1.000	
1,2-Dichloroethane-d4	30.00	100	70 - 120	7.485	7.489	-0.0040	+/-1.000	
Toluene-d8	30.00	108	85 - 120	9.694	9.698	-0.0040	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F15906	Instrument:	MS-VOA4
		Calibration:	1154004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1F15906-CCV1) ug/L				Lab File ID: 0607CCV1.D		Analyzed: 06/07/11 07:01		
Bromofluorobenzene	30.00	112	80 - 120	12.336	12.336	0.0000	+/-1.000	
Dibromofluoromethane	30.00	97.9	80 - 120	7.009	7.009	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.1	80 - 120	7.503	7.503	0.0000	+/-1.000	
Toluene-d8	30.00	116	80 - 120	9.712	9.712	0.0000	+/-1.000	
LCS (1F07002-BS1) ug/L				Lab File ID: 0607LCS1.D		Analyzed: 06/07/11 07:42		
Bromofluorobenzene	30.00	108	75 - 120	12.328	12.336	-0.0080	+/-1.000	
Dibromofluoromethane	30.00	97.3	85 - 115	7.001	7.009	-0.0080	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.6	70 - 120	7.494	7.503	-0.0090	+/-1.000	
Toluene-d8	30.00	111	85 - 120	9.714	9.712	0.0020	+/-1.000	
Blank (1F07002-BLK1) ug/L				Lab File ID: 0607BLK1.D		Analyzed: 06/07/11 08:58		
Bromofluorobenzene	30.00	105	75 - 120	12.326	12.336	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	93.9	85 - 115	6.999	7.009	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	97.0	70 - 120	7.492	7.503	-0.0110	+/-1.000	
Toluene-d8	30.00	107	85 - 120	9.702	9.712	-0.0100	+/-1.000	
GW0100 (1106002-01) ug/L				Lab File ID: 0600201.D		Analyzed: 06/07/11 12:55		
Bromofluorobenzene	30.00	103	75 - 120	12.322	12.336	-0.0140	+/-1.000	
Dibromofluoromethane	30.00	96.7	85 - 115	6.986	7.009	-0.0230	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.489	7.503	-0.0140	+/-1.000	
Toluene-d8	30.00	108	85 - 120	9.698	9.712	-0.0140	+/-1.000	
GW0101 (1106002-03) ug/L				Lab File ID: 0600203.D		Analyzed: 06/07/11 13:21		
Bromofluorobenzene	30.00	97.8	75 - 120	12.322	12.336	-0.0140	+/-1.000	
Dibromofluoromethane	30.00	97.0	85 - 115	6.986	7.009	-0.0230	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.1	70 - 120	7.489	7.503	-0.0140	+/-1.000	
Toluene-d8	30.00	107	85 - 120	9.698	9.712	-0.0140	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F16201	Instrument:	MS-VOA4
		Calibration:	1154004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1F16201-CCV1) ug/L				Lab File ID: 0610CCV1.D		Analyzed: 06/10/11 07:09		
Bromofluorobenzene	30.00	115	80 - 120	12.315	12.315	0.0000	+/-1.000	
Dibromofluoromethane	30.00	96.0	80 - 120	6.988	6.988	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.0	80 - 120	7.481	7.481	0.0000	+/-1.000	
Toluene-d8	30.00	115	80 - 120	9.701	9.701	0.0000	+/-1.000	
LCS (1F10001-BS1) ug/L				Lab File ID: 0610LCS1.D		Analyzed: 06/10/11 07:56		
Bromofluorobenzene	30.00	110	75 - 120	12.319	12.315	0.0040	+/-1.000	
Dibromofluoromethane	30.00	100	85 - 115	6.992	6.988	0.0040	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.4	70 - 120	7.485	7.481	0.0040	+/-1.000	
Toluene-d8	30.00	113	85 - 120	9.694	9.701	-0.0070	+/-1.000	
Blank (1F10001-BLK1) ug/L				Lab File ID: 0610BLK1.D		Analyzed: 06/10/11 09:12		
Bromofluorobenzene	30.00	101	75 - 120	12.319	12.315	0.0040	+/-1.000	
Dibromofluoromethane	30.00	95.2	85 - 115	6.992	6.988	0.0040	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.4	70 - 120	7.486	7.481	0.0050	+/-1.000	
Toluene-d8	30.00	107	85 - 120	9.695	9.701	-0.0060	+/-1.000	
GW8055-TB (1106048-05) ug/L				Lab File ID: 0604805.D		Analyzed: 06/10/11 10:05		
Bromofluorobenzene	30.00	102	75 - 120	12.317	12.315	0.0020	+/-1.000	
Dibromofluoromethane	30.00	95.1	85 - 115	6.99	6.988	0.0020	+/-1.000	
1,2-Dichloroethane-d4	30.00	97.4	70 - 120	7.483	7.481	0.0020	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.693	9.701	-0.0080	+/-1.000	
GW0090 (1106048-01) ug/L				Lab File ID: 0604801.D		Analyzed: 06/10/11 12:43		
Bromofluorobenzene	30.00	105	75 - 120	12.32	12.315	0.0050	+/-1.000	
Dibromofluoromethane	30.00	97.3	85 - 115	6.983	6.988	-0.0050	+/-1.000	
1,2-Dichloroethane-d4	30.00	100	70 - 120	7.486	7.481	0.0050	+/-1.000	
Toluene-d8	30.00	108	85 - 120	9.696	9.701	-0.0050	+/-1.000	
GW0114 (1106048-03) ug/L				Lab File ID: 0604803.D		Analyzed: 06/10/11 13:09		
Bromofluorobenzene	30.00	100	75 - 120	12.318	12.315	0.0030	+/-1.000	
Dibromofluoromethane	30.00	98.1	85 - 115	6.991	6.988	0.0030	+/-1.000	
1,2-Dichloroethane-d4	30.00	94.9	70 - 120	7.484	7.481	0.0030	+/-1.000	
Toluene-d8	30.00	107	85 - 120	9.694	9.701	-0.0070	+/-1.000	

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F06006	Laboratory ID:	1F06006-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	99.7	99.7	40 - 140
Benzene	50.00	48.2	96.4	80 - 120
Bromobenzene	50.00	50.9	102	75 - 125
Bromochloromethane	50.00	49.3	98.6	65 - 130
Bromodichloromethane	50.00	51.1	102	75 - 120
Bromoform	50.00	48.2	96.3	70 - 130
Bromomethane	50.00	38.4	76.7	30 - 145
n-Butylbenzene	50.00	52.1	104	70 - 135
2-Butanone	100.0	107	107	30 - 150
sec-Butylbenzene	50.00	51.9	104	70 - 125
tert-Butylbenzene	50.00	51.2	102	70 - 130
Carbon disulfide	50.00	50.2	100	35 - 160
Carbon tetrachloride	50.00	46.4	92.9	65 - 140
Chlorobenzene	50.00	50.3	101	80 - 120
Chloroethane	50.00	54.3	109	60 - 135
Chloroform	50.00	48.6	97.2	65 - 135
Chloromethane	50.00	49.6	99.2	40 - 125
2-Chlorotoluene	50.00	49.2	98.3	75 - 125
4-Chlorotoluene	50.00	50.8	102	75 - 130
Dibromochloromethane	50.00	51.8	104	60 - 135
1,2-Dibromo-3-chloropropane	50.00	47.8	95.7	50 - 130
1,2-Dibromoethane (EDB)	50.00	51.4	103	80 - 120
Dibromomethane	50.00	48.2	96.4	75 - 125
1,2-Dichlorobenzene	50.00	50.7	101	70 - 120
1,3-Dichlorobenzene	50.00	51.9	104	75 - 125
1,4-Dichlorobenzene	50.00	50.7	101	75 - 125
Dichlorodifluoromethane	50.00	58.9	118	30 - 155
1,1-Dichloroethane	50.00	50.7	101	70 - 135
1,2-Dichloroethane	50.00	49.6	99.2	70 - 130
1,1-Dichloroethene	50.00	52.1	104	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F06006	Laboratory ID:	1F06006-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	47.9	95.8	70 - 125
trans-1,2-Dichloroethene	50.00	54.2	108	60 - 140
1,2-Dichloropropane	50.00	50.3	101	75 - 125
1,3-Dichloropropane	50.00	52.8	106	75 - 125
2,2-Dichloropropane	50.00	55.4	111	70 - 135
1,1-Dichloropropene	50.00	49.5	99.0	75 - 130
cis-1,3-Dichloropropene	50.00	47.6	95.2	70 - 130
trans-1,3-Dichloropropene	50.00	56.6	113	55 - 140
Ethylbenzene	50.00	52.8	106	75 - 125
Hexachlorobutadiene	50.00	61.4	123	50 - 140
2-Hexanone	100.0	113	113	55 - 130
Isopropylbenzene	50.00	52.6	105	75 - 125
p-Isopropyltoluene	50.00	54.9	110	75 - 130
Methylene chloride	50.00	49.7	99.5	55 - 140
Naphthalene	50.00	47.8	95.5	55 - 140
4-Methyl-2-pentanone	100.0	102	102	60 - 135
Methyl t-Butyl Ether	50.00	47.2	94.3	65 - 125
n-Propylbenzene	50.00	52.0	104	70 - 130
Styrene	50.00	50.1	100	65 - 135
1,1,2,2-Tetrachloroethane	50.00	48.3	96.5	65 - 130
1,1,1,2-Tetrachloroethane	50.00	50.1	100	80 - 130
Tetrachloroethene	50.00	50.6	101	45 - 150
Toluene	50.00	51.2	102	75 - 120
1,2,3-Trichlorobenzene	50.00	53.1	106	55 - 140
1,2,4-Trichlorobenzene	50.00	52.0	104	65 - 135
1,1,2-Trichloroethane	50.00	50.4	101	75 - 125
1,1,1-Trichloroethane	50.00	47.2	94.4	65 - 130
Trichloroethene	50.00	47.9	95.7	70 - 125
Trichlorofluoromethane	50.00	51.2	102	60 - 145
1,2,3-Trichloropropane	50.00	46.4	92.7	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F06006	Laboratory ID:	1F06006-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	49.8	99.6	75 - 130
1,2,4-Trimethylbenzene	50.00	50.6	101	75 - 130
Vinyl chloride	50.00	44.3	88.5	50 - 145
m,p-Xylene	100.0	99.2	99.2	75 - 130
o-Xylene	50.00	49.4	98.8	80 - 120

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	69.1	69.1	36.3 *	30	40 - 140
Benzene	50.00	50.1	100	3.84	30	80 - 120
Bromobenzene	50.00	51.8	104	1.85	30	75 - 125
Bromochloromethane	50.00	49.3	98.7	0.0712	30	65 - 130
Bromodichloromethane	50.00	52.1	104	2.05	30	75 - 120
Bromoform	50.00	41.0	82.0	16.1	30	70 - 130
Bromomethane	50.00	25.1	50.1	41.9 *	30	30 - 145
n-Butylbenzene	50.00	54.9	110	5.25	30	70 - 135
2-Butanone	100.0	73.4	73.4	37.2 *	30	30 - 150
sec-Butylbenzene	50.00	54.4	109	4.65	30	70 - 125
tert-Butylbenzene	50.00	52.5	105	2.52	30	70 - 130
Carbon disulfide	50.00	50.6	101	0.740	30	35 - 160
Carbon tetrachloride	50.00	43.3	86.6	6.96	30	65 - 140
Chlorobenzene	50.00	48.2	96.5	4.17	30	80 - 120
Chloroethane	50.00	59.0	118	8.33	30	60 - 135
Chloroform	50.00	48.8	97.6	0.490	30	65 - 135
Chloromethane	50.00	51.9	104	4.57	30	40 - 125
2-Chlorotoluene	50.00	54.1	108	9.54	30	75 - 125
4-Chlorotoluene	50.00	55.0	110	8.03	30	75 - 130
Dibromochloromethane	50.00	48.6	97.1	6.51	30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	37.2	74.4	25.0	30	50 - 130
1,2-Dibromoethane (EDB)	50.00	47.0	93.9	9.05	30	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F06006	Laboratory ID:	1F06006-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	46.9	93.8	2.73	30	75 - 125
1,2-Dichlorobenzene	50.00	51.4	103	1.30	30	70 - 120
1,3-Dichlorobenzene	50.00	51.4	103	0.991	30	75 - 125
1,4-Dichlorobenzene	50.00	51.3	103	1.12	30	75 - 125
Dichlorodifluoromethane	50.00	57.8	116	1.81	30	30 - 155
1,1-Dichloroethane	50.00	52.1	104	2.84	30	70 - 135
1,2-Dichloroethane	50.00	50.5	101	1.74	30	70 - 130
1,1-Dichloroethene	50.00	49.5	99.0	5.08	30	70 - 130
cis-1,2-Dichloroethene	50.00	47.7	95.4	0.418	30	70 - 125
trans-1,2-Dichloroethene	50.00	53.0	106	2.29	30	60 - 140
1,2-Dichloropropane	50.00	51.7	103	2.58	30	75 - 125
1,3-Dichloropropane	50.00	53.2	106	0.602	30	75 - 125
2,2-Dichloropropane	50.00	53.5	107	3.45	30	70 - 135
1,1-Dichloropropene	50.00	50.9	102	2.90	30	75 - 130
cis-1,3-Dichloropropene	50.00	49.4	98.8	3.70	30	70 - 130
trans-1,3-Dichloropropene	50.00	56.0	112	1.09	30	55 - 140
Ethylbenzene	50.00	51.7	103	2.03	30	75 - 125
Hexachlorobutadiene	50.00	50.2	100	20.0	30	50 - 140
2-Hexanone	100.0	79.6	79.6	34.8 *	30	55 - 130
Isopropylbenzene	50.00	51.2	102	2.75	30	75 - 125
p-Isopropyltoluene	50.00	56.8	114	3.43	30	75 - 130
Methylene chloride	50.00	51.9	104	4.26	30	55 - 140
Naphthalene	50.00	39.5	79.0	19.0	30	55 - 140
4-Methyl-2-pentanone	100.0	74.8	74.8	30.8 *	30	60 - 135
Methyl t-Butyl Ether	50.00	44.6	89.2	5.53	30	65 - 125
n-Propylbenzene	50.00	55.3	111	6.22	30	70 - 130
Styrene	50.00	51.0	102	1.78	30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	46.9	93.8	2.84	30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	47.5	94.9	5.42	30	80 - 130
Tetrachloroethene	50.00	45.3	90.6	11.0	30	45 - 150

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F06006	Laboratory ID:	1F06006-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	49.7	99.3	2.99	30	75 - 120
1,2,3-Trichlorobenzene	50.00	45.2	90.3	16.2	30	55 - 140
1,2,4-Trichlorobenzene	50.00	47.8	95.5	8.56	30	65 - 135
1,1,2-Trichloroethane	50.00	49.7	99.3	1.45	30	75 - 125
1,1,1-Trichloroethane	50.00	46.4	92.9	1.63	30	65 - 130
Trichloroethene	50.00	47.2	94.5	1.28	30	70 - 125
Trichlorofluoromethane	50.00	47.3	94.7	7.86	30	60 - 145
1,2,3-Trichloropropane	50.00	39.6	79.1	15.8	30	75 - 125
1,3,5-Trimethylbenzene	50.00	52.0	104	4.22	30	75 - 130
1,2,4-Trimethylbenzene	50.00	52.9	106	4.48	30	75 - 130
Vinyl chloride	50.00	48.3	96.6	8.73	30	50 - 145
m,p-Xylene	100.0	99.4	99.4	0.240	30	75 - 130
o-Xylene	50.00	50.5	101	2.12	30	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F07002	Laboratory ID:	1F07002-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	74.4	74.4	40 - 140
Benzene	50.00	51.0	102	80 - 120
Bromobenzene	50.00	50.8	102	75 - 125
Bromochloromethane	50.00	47.2	94.4	65 - 130
Bromodichloromethane	50.00	50.6	101	75 - 120
Bromoform	50.00	37.4	74.8	70 - 130
Bromomethane	50.00	41.6	83.2	30 - 145
n-Butylbenzene	50.00	58.4	117	70 - 135
2-Butanone	100.0	75.4	75.4	30 - 150
sec-Butylbenzene	50.00	56.3	113	70 - 125
tert-Butylbenzene	50.00	54.8	110	70 - 130
Carbon disulfide	50.00	51.6	103	35 - 160
Carbon tetrachloride	50.00	46.2	92.5	65 - 140
Chlorobenzene	50.00	48.2	96.4	80 - 120
Chloroethane	50.00	61.0	122	60 - 135
Chloroform	50.00	48.4	96.8	65 - 135
Chloromethane	50.00	53.7	107	40 - 125
2-Chlorotoluene	50.00	55.5	111	75 - 125
4-Chlorotoluene	50.00	55.1	110	75 - 130
Dibromochloromethane	50.00	46.1	92.1	60 - 135
1,2-Dibromo-3-chloropropane	50.00	32.9	65.9	50 - 130
1,2-Dibromoethane (EDB)	50.00	43.7	87.3	80 - 120
Dibromomethane	50.00	44.5	88.9	75 - 125
1,2-Dichlorobenzene	50.00	50.2	100	70 - 120
1,3-Dichlorobenzene	50.00	51.8	104	75 - 125
1,4-Dichlorobenzene	50.00	50.6	101	75 - 125
Dichlorodifluoromethane	50.00	66.5	133	30 - 155
1,1-Dichloroethane	50.00	51.8	104	70 - 135
1,2-Dichloroethane	50.00	47.0	94.1	70 - 130
1,1-Dichloroethene	50.00	52.5	105	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F07002	Laboratory ID:	1F07002-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	47.7	95.4	70 - 125
trans-1,2-Dichloroethene	50.00	54.1	108	60 - 140
1,2-Dichloropropane	50.00	50.3	101	75 - 125
1,3-Dichloropropane	50.00	47.9	95.9	75 - 125
2,2-Dichloropropane	50.00	61.7	123	70 - 135
1,1-Dichloropropene	50.00	52.5	105	75 - 130
cis-1,3-Dichloropropene	50.00	47.9	95.9	70 - 130
trans-1,3-Dichloropropene	50.00	54.7	109	55 - 140
Ethylbenzene	50.00	51.7	103	75 - 125
Hexachlorobutadiene	50.00	63.8	128	50 - 140
2-Hexanone	100.0	82.2	82.2	55 - 130
Isopropylbenzene	50.00	52.4	105	75 - 125
p-Isopropyltoluene	50.00	58.6	117	75 - 130
Methylene chloride	50.00	50.0	100	55 - 140
Naphthalene	50.00	37.3	74.7	55 - 140
4-Methyl-2-pentanone	100.0	74.9	74.9	60 - 135
Methyl t-Butyl Ether	50.00	41.4	82.8	65 - 125
n-Propylbenzene	50.00	55.3	111	70 - 130
Styrene	50.00	50.5	101	65 - 135
1,1,2,2-Tetrachloroethane	50.00	41.0	82.1	65 - 130
1,1,1,2-Tetrachloroethane	50.00	45.6	91.1	80 - 130
Tetrachloroethene	50.00	47.5	95.0	45 - 150
Toluene	50.00	51.2	102	75 - 120
1,2,3-Trichlorobenzene	50.00	47.0	94.1	55 - 140
1,2,4-Trichlorobenzene	50.00	48.5	97.0	65 - 135
1,1,2-Trichloroethane	50.00	45.9	91.8	75 - 125
1,1,1-Trichloroethane	50.00	46.9	93.7	65 - 130
Trichloroethene	50.00	48.1	96.3	70 - 125
Trichlorofluoromethane	50.00	47.9	95.7	60 - 145
1,2,3-Trichloropropane	**50.00**	**35.5**	**71.1**	**75 - 125**

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F07002	Laboratory ID:	1F07002-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	54.3	109	75 - 130
1,2,4-Trimethylbenzene	50.00	52.6	105	75 - 130
Vinyl chloride	50.00	53.3	107	50 - 145
m,p-Xylene	100.0	100	100	75 - 130
o-Xylene	50.00	50.1	100	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F07023	Laboratory ID:	1F07023-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	84.1	84.1	40 - 140
Benzene	50.00	50.2	100	80 - 120
Bromobenzene	50.00	53.5	107	75 - 125
Bromochloromethane	50.00	48.8	97.5	65 - 130
Bromodichloromethane	50.00	50.7	101	75 - 120
Bromoform	50.00	44.7	89.4	70 - 130
Bromomethane	50.00	42.2	84.5	30 - 145
n-Butylbenzene	50.00	54.3	109	70 - 135
2-Butanone	100.0	87.3	87.3	30 - 150
sec-Butylbenzene	50.00	53.9	108	70 - 125
tert-Butylbenzene	50.00	51.6	103	70 - 130
Carbon disulfide	50.00	50.2	100	35 - 160
Carbon tetrachloride	50.00	44.8	89.6	65 - 140
Chlorobenzene	50.00	49.1	98.3	80 - 120
Chloroethane	50.00	57.9	116	60 - 135
Chloroform	50.00	47.6	95.1	65 - 135
Chloromethane	50.00	52.2	104	40 - 125
2-Chlorotoluene	50.00	54.9	110	75 - 125
4-Chlorotoluene	50.00	55.3	111	75 - 130
Dibromochloromethane	50.00	49.1	98.2	60 - 135
1,2-Dibromo-3-chloropropane	50.00	45.4	90.9	50 - 130
1,2-Dibromoethane (EDB)	50.00	49.0	97.9	80 - 120
Dibromomethane	50.00	50.3	101	75 - 125
1,2-Dichlorobenzene	50.00	53.1	106	70 - 120
1,3-Dichlorobenzene	50.00	52.4	105	75 - 125
1,4-Dichlorobenzene	50.00	50.8	102	75 - 125
Dichlorodifluoromethane	50.00	58.3	117	30 - 155
1,1-Dichloroethane	50.00	50.6	101	70 - 135
1,2-Dichloroethane	50.00	49.6	99.2	70 - 130
1,1-Dichloroethene	50.00	51.0	102	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F07023	Laboratory ID:	1F07023-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	47.5	95.0	70 - 125
trans-1,2-Dichloroethene	50.00	52.9	106	60 - 140
1,2-Dichloropropane	50.00	51.1	102	75 - 125
1,3-Dichloropropane	50.00	51.7	103	75 - 125
2,2-Dichloropropane	50.00	46.0	92.0	70 - 135
1,1-Dichloropropene	50.00	50.1	100	75 - 130
cis-1,3-Dichloropropene	50.00	46.9	93.7	70 - 130
trans-1,3-Dichloropropene	50.00	55.1	110	55 - 140
Ethylbenzene	50.00	50.3	101	75 - 125
Hexachlorobutadiene	50.00	58.6	117	50 - 140
2-Hexanone	100.0	99.3	99.3	55 - 130
Isopropylbenzene	50.00	51.4	103	75 - 125
p-Isopropyltoluene	50.00	55.6	111	75 - 130
Methylene chloride	50.00	50.4	101	55 - 140
Naphthalene	50.00	46.4	92.9	55 - 140
4-Methyl-2-pentanone	100.0	89.9	89.9	60 - 135
Methyl t-Butyl Ether	50.00	46.0	91.9	65 - 125
n-Propylbenzene	50.00	54.0	108	70 - 130
Styrene	50.00	50.2	100	65 - 135
1,1,2,2-Tetrachloroethane	50.00	52.2	104	65 - 130
1,1,1,2-Tetrachloroethane	50.00	47.1	94.3	80 - 130
Tetrachloroethene	50.00	46.4	92.7	45 - 150
Toluene	50.00	49.9	99.7	75 - 120
1,2,3-Trichlorobenzene	50.00	51.3	103	55 - 140
1,2,4-Trichlorobenzene	50.00	51.2	102	65 - 135
1,1,2-Trichloroethane	50.00	50.8	102	75 - 125
1,1,1-Trichloroethane	50.00	46.0	92.1	65 - 130
Trichloroethene	50.00	47.6	95.3	70 - 125
Trichlorofluoromethane	50.00	44.3	88.6	60 - 145
1,2,3-Trichloropropane	50.00	45.3	90.7	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F07023	Laboratory ID:	1F07023-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	52.6	105	75 - 130
1,2,4-Trimethylbenzene	50.00	51.7	103	75 - 130
Vinyl chloride	50.00	41.9	83.9	50 - 145
m,p-Xylene	100.0	99.6	99.6	75 - 130
o-Xylene	50.00	49.7	99.5	80 - 120

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	81.1	81.1	3.60	30	40 - 140
Benzene	50.00	51.4	103	2.39	30	80 - 120
Bromobenzene	50.00	52.3	105	2.16	30	75 - 125
Bromochloromethane	50.00	48.5	96.9	0.660	30	65 - 130
Bromodichloromethane	50.00	51.7	103	1.79	30	75 - 120
Bromoform	50.00	40.6	81.3	9.52	30	70 - 130
Bromomethane	50.00	42.8	85.5	1.20	30	30 - 145
n-Butylbenzene	50.00	52.9	106	2.53	30	70 - 135
2-Butanone	100.0	85.0	85.0	2.70	30	30 - 150
sec-Butylbenzene	50.00	52.1	104	3.53	30	70 - 125
tert-Butylbenzene	50.00	52.4	105	1.63	30	70 - 130
Carbon disulfide	50.00	51.1	102	1.84	30	35 - 160
Carbon tetrachloride	50.00	43.7	87.5	2.39	30	65 - 140
Chlorobenzene	50.00	47.6	95.2	3.18	30	80 - 120
Chloroethane	50.00	59.9	120	3.38	30	60 - 135
Chloroform	50.00	49.3	98.6	3.59	30	65 - 135
Chloromethane	50.00	59.4	119	12.8	30	40 - 125
2-Chlorotoluene	50.00	54.7	109	0.432	30	75 - 125
4-Chlorotoluene	50.00	55.5	111	0.446	30	75 - 130
Dibromochloromethane	50.00	47.7	95.3	2.97	30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	41.5	83.0	9.05	30	50 - 130
1,2-Dibromoethane (EDB)	50.00	47.1	94.3	3.81	30	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F07023	Laboratory ID:	1F07023-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	48.0	95.9	4.67	30	75 - 125
1,2-Dichlorobenzene	50.00	52.4	105	1.46	30	70 - 120
1,3-Dichlorobenzene	50.00	50.0	100	4.62	30	75 - 125
1,4-Dichlorobenzene	50.00	50.1	100	1.50	30	75 - 125
Dichlorodifluoromethane	50.00	58.7	117	0.618	30	30 - 155
1,1-Dichloroethane	50.00	51.4	103	1.52	30	70 - 135
1,2-Dichloroethane	50.00	49.6	99.2	0.0444	30	70 - 130
1,1-Dichloroethene	50.00	50.3	101	1.34	30	70 - 130
cis-1,2-Dichloroethene	50.00	48.4	96.7	1.79	30	70 - 125
trans-1,2-Dichloroethene	50.00	53.5	107	1.14	30	60 - 140
1,2-Dichloropropane	50.00	52.5	105	2.56	30	75 - 125
1,3-Dichloropropane	50.00	52.7	105	1.97	30	75 - 125
2,2-Dichloropropane	50.00	41.0	82.0	11.4	30	70 - 135
1,1-Dichloropropene	50.00	49.8	99.6	0.646	30	75 - 130
cis-1,3-Dichloropropene	50.00	48.0	96.0	2.40	30	70 - 130
trans-1,3-Dichloropropene	50.00	54.3	109	1.55	30	55 - 140
Ethylbenzene	50.00	49.8	99.6	0.964	30	75 - 125
Hexachlorobutadiene	50.00	50.7	101	14.6	30	50 - 140
2-Hexanone	100.0	92.4	92.4	7.27	30	55 - 130
Isopropylbenzene	50.00	48.9	97.9	4.86	30	75 - 125
p-Isopropyltoluene	50.00	55.0	110	0.994	30	75 - 130
Methylene chloride	50.00	51.8	104	2.63	30	55 - 140
Naphthalene	50.00	44.4	88.8	4.47	30	55 - 140
4-Methyl-2-pentanone	100.0	87.0	87.0	3.26	30	60 - 135
Methyl t-Butyl Ether	50.00	46.8	93.5	1.76	30	65 - 125
n-Propylbenzene	50.00	53.9	108	0.236	30	70 - 130
Styrene	50.00	49.1	98.1	2.26	30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	50.7	101	2.88	30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	45.9	91.7	2.74	30	80 - 130
Tetrachloroethene	50.00	43.4	86.8	6.60	30	45 - 150

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F07023	Laboratory ID:	1F07023-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	50.1	100	0.361	30	75 - 120
1,2,3-Trichlorobenzene	50.00	48.8	97.5	5.08	30	55 - 140
1,2,4-Trichlorobenzene	50.00	50.1	100	2.13	30	65 - 135
1,1,2-Trichloroethane	50.00	50.2	100	1.16	30	75 - 125
1,1,1-Trichloroethane	50.00	45.1	90.2	2.04	30	65 - 130
Trichloroethene	50.00	47.1	94.2	1.13	30	70 - 125
Trichlorofluoromethane	50.00	44.8	89.5	1.09	30	60 - 145
1,2,3-Trichloropropane	50.00	41.3	82.6	9.29	30	75 - 125
1,3,5-Trimethylbenzene	50.00	52.3	105	0.496	30	75 - 130
1,2,4-Trimethylbenzene	50.00	52.3	105	1.24	30	75 - 130
Vinyl chloride	50.00	42.0	84.0	0.118	30	50 - 145
m,p-Xylene	100.0	95.1	95.1	4.65	30	75 - 130
o-Xylene	50.00	48.9	97.8	1.65	30	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F10001	Laboratory ID:	1F10001-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	79.8	79.8	40 - 140
Benzene	50.00	53.6	107	80 - 120
Bromobenzene	50.00	52.6	105	75 - 125
Bromochloromethane	50.00	50.2	100	65 - 130
Bromodichloromethane	50.00	52.3	105	75 - 120
Bromoform	50.00	41.7	83.5	70 - 130
Bromomethane	50.00	57.0	114	30 - 145
n-Butylbenzene	50.00	56.9	114	70 - 135
2-Butanone	100.0	80.7	80.7	30 - 150
sec-Butylbenzene	50.00	55.7	111	70 - 125
tert-Butylbenzene	50.00	54.4	109	70 - 130
Carbon disulfide	50.00	53.4	107	35 - 160
Carbon tetrachloride	50.00	47.5	95.1	65 - 140
Chlorobenzene	50.00	52.2	104	80 - 120
Chloroethane	50.00	63.2	126	60 - 135
Chloroform	50.00	50.5	101	65 - 135
Chloromethane	**50.00**	**65.1**	**130**	**40 - 125**
2-Chlorotoluene	50.00	55.2	110	75 - 125
4-Chlorotoluene	50.00	56.2	112	75 - 130
Dibromochloromethane	50.00	50.2	100	60 - 135
1,2-Dibromo-3-chloropropane	50.00	38.9	77.7	50 - 130
1,2-Dibromoethane (EDB)	50.00	47.9	95.7	80 - 120
Dibromomethane	50.00	48.4	96.7	75 - 125
1,2-Dichlorobenzene	50.00	53.1	106	70 - 120
1,3-Dichlorobenzene	50.00	53.8	108	75 - 125
1,4-Dichlorobenzene	50.00	52.1	104	75 - 125
Dichlorodifluoromethane	50.00	65.1	130	30 - 155
1,1-Dichloroethane	50.00	55.1	110	70 - 135
1,2-Dichloroethane	50.00	50.8	102	70 - 130
1,1-Dichloroethene	50.00	53.7	107	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F10001	Laboratory ID:	1F10001-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	49.4	98.8	70 - 125
trans-1,2-Dichloroethene	50.00	56.2	112	60 - 140
1,2-Dichloropropane	50.00	51.6	103	75 - 125
1,3-Dichloropropane	50.00	53.1	106	75 - 125
2,2-Dichloropropane	50.00	60.3	121	70 - 135
1,1-Dichloropropene	50.00	53.4	107	75 - 130
cis-1,3-Dichloropropene	50.00	51.0	102	70 - 130
trans-1,3-Dichloropropene	50.00	58.7	117	55 - 140
Ethylbenzene	50.00	53.6	107	75 - 125
Hexachlorobutadiene	50.00	59.4	119	50 - 140
2-Hexanone	100.0	90.9	90.9	55 - 130
Isopropylbenzene	50.00	54.2	108	75 - 125
p-Isopropyltoluene	50.00	57.5	115	75 - 130
Methylene chloride	50.00	52.7	105	55 - 140
Naphthalene	50.00	41.7	83.5	55 - 140
4-Methyl-2-pentanone	100.0	81.7	81.7	60 - 135
Methyl t-Butyl Ether	50.00	43.8	87.5	65 - 125
n-Propylbenzene	50.00	56.9	114	70 - 130
Styrene	50.00	52.6	105	65 - 135
1,1,2,2-Tetrachloroethane	50.00	45.9	91.9	65 - 130
1,1,1,2-Tetrachloroethane	50.00	50.5	101	80 - 130
Tetrachloroethene	50.00	50.7	101	45 - 150
Toluene	50.00	54.9	110	75 - 120
1,2,3-Trichlorobenzene	50.00	50.4	101	55 - 140
1,2,4-Trichlorobenzene	50.00	51.1	102	65 - 135
1,1,2-Trichloroethane	50.00	51.4	103	75 - 125
1,1,1-Trichloroethane	50.00	48.6	97.2	65 - 130
Trichloroethene	50.00	50.9	102	70 - 125
Trichlorofluoromethane	50.00	48.5	97.0	60 - 145
1,2,3-Trichloropropane	50.00	40.0	80.1	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F10001	Laboratory ID:	1F10001-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	52.9	106	75 - 130
1,2,4-Trimethylbenzene	50.00	55.0	110	75 - 130
Vinyl chloride	50.00	52.7	105	50 - 145
m,p-Xylene	100.0	105	105	75 - 130
o-Xylene	50.00	52.7	105	80 - 120

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Batch: 1F06006 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW8052-TB	1106002-05	06/06/11 00:00	5.00	5.00
GW0103	1106013-01	06/06/11 00:00	5.00	5.00
GW0104	1106013-03	06/06/11 00:00	5.00	5.00
GW8053-TB	1106013-05	06/06/11 00:00	5.00	5.00
Blank	1F06006-BLK1	06/06/11 00:00	5.00	5.00
LCS	1F06006-BS1	06/06/11 00:00	5.00	5.00
LCS Dup	1F06006-BSD1	06/06/11 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Batch: 1F07002 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0100	1106002-01	06/07/11 00:00	5.00	5.00
GW0101	1106002-03	06/07/11 00:00	5.00	5.00
Blank	1F07002-BLK1	06/07/11 00:00	5.00	5.00
LCS	1F07002-BS1	06/07/11 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Batch: 1F07023 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0089	1106026-01	06/07/11 00:00	5.00	5.00
GW0111	1106026-03	06/07/11 00:00	5.00	5.00
GW8054-TB	1106026-06	06/07/11 00:00	5.00	5.00
Blank	1F07023-BLK1	06/07/11 00:00	5.00	5.00
LCS	1F07023-BS1	06/07/11 00:00	5.00	5.00
LCS Dup	1F07023-BSD1	06/07/11 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Batch: 1F10001 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0090	1106048-01	06/10/11 00:00	5.00	5.00
GW0114	1106048-03	06/10/11 00:00	5.00	5.00
GW8055-TB	1106048-05	06/10/11 00:00	5.00	5.00
Blank	1F10001-BLK1	06/10/11 00:00	5.00	5.00
LCS	1F10001-BS1	06/10/11 00:00	5.00	5.00

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0601TU1.D	Injection Date:	06/01/11
Instrument ID:	MS-VOA4	Injection Time:	09:04
Sequence:	1F15404	Lab Sample ID:	1F15404-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	20.7	PASS
75	30 - 60% of 95	41.8	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.12	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	106	PASS
175	5 - 9% of 174	7.41	PASS
176	95 - 101% of 174	97.5	PASS
177	5 - 9% of 176	6.85	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0601TU2.D	Injection Date:	06/01/11
Instrument ID:	MS-VOA4	Injection Time:	23:49
Sequence:	1F15404	Lab Sample ID:	1F15404-TUN2

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	20.9	PASS
75	30 - 60% of 95	41.8	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.77	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	116	PASS
175	5 - 9% of 174	7.33	PASS
176	95 - 101% of 174	97	PASS
177	5 - 9% of 176	6.74	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0601TU3.D	Injection Date:	06/02/11
Instrument ID:	MS-VOA4	Injection Time:	06:07
Sequence:	1F15404	Lab Sample ID:	1F15404-TUN3

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	20.3	PASS
75	30 - 60% of 95	41.3	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.72	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	122	PASS
175	5 - 9% of 174	6.95	PASS
176	95 - 101% of 174	96.7	PASS
177	5 - 9% of 176	6.61	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0606TU1.D	Injection Date:	06/06/11
Instrument ID:	MS-VOA4	Injection Time:	08:38
Sequence:	1F15803	Lab Sample ID:	1F15803-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	24.9	PASS
75	30 - 60% of 95	45.4	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.05	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	77.6	PASS
175	5 - 9% of 174	7.71	PASS
176	95 - 101% of 174	95.3	PASS
177	5 - 9% of 176	7.33	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0607TU1E.D	Injection Date:	06/07/11
Instrument ID:	MS-VOA4	Injection Time:	19:03
Sequence:	1F15904	Lab Sample ID:	1F15904-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	27.2	PASS
75	30 - 60% of 95	46.6	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.45	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	67.9	PASS
175	5 - 9% of 174	8.6	PASS
176	95 - 101% of 174	96	PASS
177	5 - 9% of 176	7.5	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0607TU1.D	Injection Date:	06/07/11
Instrument ID:	MS-VOA4	Injection Time:	06:35
Sequence:	1F15906	Lab Sample ID:	1F15906-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	26.3	PASS
75	30 - 60% of 95	47.9	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.37	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	72.7	PASS
175	5 - 9% of 174	7.76	PASS
176	95 - 101% of 174	96.7	PASS
177	5 - 9% of 176	7.75	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0610TU1.D	Injection Date:	06/10/11
Instrument ID:	MS-VOA4	Injection Time:	06:43
Sequence:	1F16201	Lab Sample ID:	1F16201-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	25	PASS
75	30 - 60% of 95	47	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.65	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	72.6	PASS
175	5 - 9% of 174	8.15	PASS
176	95 - 101% of 174	99.5	PASS
177	5 - 9% of 176	6.39	PASS

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F15404	Instrument:	MS-VOA4
Calibration:	1154004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1F15404-TUN1	0601TU1.D	06/01/11 09:04
Cal Standard	1F15404-CAL1	0601CAL1.D	06/01/11 09:44
Cal Standard	1F15404-CAL2	0601CAL2.D	06/01/11 10:15
Cal Standard	1F15404-CAL3	0601CAL3.D	06/01/11 10:47
Cal Standard	1F15404-CAL4	0601CAL4.D	06/01/11 11:22
Cal Standard	1F15404-CAL5	0601CAL5.D	06/01/11 11:57
Cal Standard	1F15404-CAL6	0601CAL6.D	06/01/11 12:33
Cal Standard	1F15404-CAL7	0601CAL7.D	06/01/11 13:16
Cal Standard	1F15404-CAL8	0601CAL8.D	06/01/11 14:07
Cal Standard	1F15404-CAL9	0601CAL9.D	06/01/11 14:49
Initial Cal Check	1F15404-ICV2	0601ICV2.D	06/01/11 16:25
MS Tune	1F15404-TUN2	0601TU2.D	06/01/11 23:49
Cal Standard	1F15404-CALJ	0601CALJ.D	06/02/11 00:18
Cal Standard	1F15404-CALK	0601CALK.D	06/02/11 00:47
Cal Standard	1F15404-CALL	0601CALL.D	06/02/11 01:15
Cal Standard	1F15404-CALM	0601CALM.D	06/02/11 01:44
Cal Standard	1F15404-CALN	0601CALN.D	06/02/11 02:13
Cal Standard	1F15404-CALO	0601CALO.D	06/02/11 02:40
Cal Standard	1F15404-CALP	0601CALP.D	06/02/11 03:08
Cal Standard	1F15404-CALQ	0601CALQ.D	06/02/11 03:36
Cal Standard	1F15404-CALR	0601CALR.D	06/02/11 04:04
MS Tune	1F15404-TUN3	0601TU3.D	06/02/11 06:07
Cal Standard	1F15404-CALA	601CALA.D	06/02/11 06:47
Cal Standard	1F15404-CALB	601CALB.D	06/02/11 07:14
Cal Standard	1F15404-CALC	601CALC.D	06/02/11 07:43
Cal Standard	1F15404-CALD	601CALD.D	06/02/11 08:13
Cal Standard	1F15404-CALE	601CALE.D	06/02/11 08:44
Cal Standard	1F15404-CALF	601CALF.D	06/02/11 09:17
Cal Standard	1F15404-CALG	601CALG.D	06/02/11 09:50
Cal Standard	1F15404-CALH	601CALH.D	06/02/11 10:26
Cal Standard	1F15404-CALI	601CALI.D	06/02/11 11:07
Initial Cal Check	1F15404-ICV4	601ICV4.D	06/02/11 13:27

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F15803	Instrument:	MS-VOA4
Calibration:	1154004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1F15803-TUN1	0606TU1.D	06/06/11 08:38
Calibration Check	1F15803-CCV1	0606CCV1.D	06/06/11 09:04
LCS	1F06006-BS1	0606LCS1.D	06/06/11 09:44
Blank	1F06006-BLK1	0606BLK1.D	06/06/11 11:02
GW8052-TB	1106002-05	0600205.D	06/06/11 13:18
GW8053-TB	1106013-05	0601305.D	06/06/11 13:44
GW0103	1106013-01	0601301.D	06/06/11 14:37
GW0104	1106013-03	0601303.D	06/06/11 15:03
LCS Dup	1F06006-BSD1	0606LD1.D	06/06/11 18:34

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F15904	Instrument:	MS-VOA4
Calibration:	1154004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1F15904-TUN1	0607TU1E.D	06/07/11 19:03
Calibration Check	1F15904-CCV1	0607CCVE.D	06/07/11 19:29
LCS	1F07023-BS1	0607LCSE.D	06/07/11 19:56
Blank	1F07023-BLK1	0607BLKE.D	06/07/11 21:12
GW8054-TB	1106026-06	0602606.D	06/07/11 21:38
GW0089	1106026-01	0602601.D	06/07/11 23:23
GW0111	1106026-03	0602603.D	06/07/11 23:49
LCS Dup	1F07023-BSD1	0607LDE.D	06/08/11 00:42

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F15906	Instrument:	MS-VOA4
Calibration:	1154004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1F15906-TUN1	0607TU1.D	06/07/11 06:35
Calibration Check	1F15906-CCV1	0607CCV1.D	06/07/11 07:01
LCS	1F07002-BS1	0607LCS1.D	06/07/11 07:42
Blank	1F07002-BLK1	0607BLK1.D	06/07/11 08:58
GW0100	1106002-01	0600201.D	06/07/11 12:55
GW0101	1106002-03	0600203.D	06/07/11 13:21

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F16201	Instrument:	MS-VOA4
Calibration:	1154004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1F16201-TUN1	0610TU1.D	06/10/11 06:43
Calibration Check	1F16201-CCV1	0610CCV1.D	06/10/11 07:09
LCS	1F10001-BS1	0610LCS1.D	06/10/11 07:56
Blank	1F10001-BLK1	0610BLK1.D	06/10/11 09:12
GW8055-TB	1106048-05	0604805.D	06/10/11 10:05
GW0090	1106048-01	0604801.D	06/10/11 12:43
GW0114	1106048-03	0604803.D	06/10/11 13:09

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F15803	Instrument:	MS-VOA4
		Calibration:	1154004

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1F15803-CCV1)			Lab File ID: 0606CCV1.D			Analyzed: 06/06/11 09:04			
Fluorobenzene	935352	8.008	915142	7.963	102	50 - 200	0.0450	+/-0.50	
Chlorobenzene-d5	337537	11.125	341298	11.1	99	50 - 200	0.0250	+/-0.50	
1,4-Dichlorobenzene-d4	450175	13.522	488604	13.507	92	50 - 200	0.0150	+/-0.50	
LCS (1F06006-BS1)			Lab File ID: 0606LCS1.D			Analyzed: 06/06/11 09:44			
Fluorobenzene	927513	8.003	935352	8.008	99	50 - 200	-0.0050	+/-0.50	
Chlorobenzene-d5	347739	11.12	337537	11.125	103	50 - 200	-0.0050	+/-0.50	
1,4-Dichlorobenzene-d4	467827	13.517	450175	13.522	104	50 - 200	-0.0050	+/-0.50	
Blank (1F06006-BLK1)			Lab File ID: 0606BLK1.D			Analyzed: 06/06/11 11:02			
Fluorobenzene	886437	7.994	935352	8.008	95	50 - 200	-0.0140	+/-0.50	
Chlorobenzene-d5	346636	11.121	337537	11.125	103	50 - 200	-0.0040	+/-0.50	
1,4-Dichlorobenzene-d4	409918	13.518	450175	13.522	91	50 - 200	-0.0040	+/-0.50	
GW8052-TB (1106002-05)			Lab File ID: 0600205.D			Analyzed: 06/06/11 13:18			
Fluorobenzene	853336	7.994	935352	8.008	91	50 - 200	-0.0140	+/-0.50	
Chlorobenzene-d5	341414	11.121	337537	11.125	101	50 - 200	-0.0040	+/-0.50	
1,4-Dichlorobenzene-d4	406473	13.519	450175	13.522	90	50 - 200	-0.0030	+/-0.50	
GW8053-TB (1106013-05)			Lab File ID: 0601305.D			Analyzed: 06/06/11 13:44			
Fluorobenzene	860348	8.002	935352	8.008	92	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	342684	11.12	337537	11.125	102	50 - 200	-0.0050	+/-0.50	
1,4-Dichlorobenzene-d4	386050	13.517	450175	13.522	86	50 - 200	-0.0050	+/-0.50	
GW0103 (1106013-01)			Lab File ID: 0601301.D			Analyzed: 06/06/11 14:37			
Fluorobenzene	871502	8.002	935352	8.008	93	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	353926	11.119	337537	11.125	105	50 - 200	-0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	407511	13.516	450175	13.522	91	50 - 200	-0.0060	+/-0.50	
GW0104 (1106013-03)			Lab File ID: 0601303.D			Analyzed: 06/06/11 15:03			
Fluorobenzene	864014	7.994	935352	8.008	92	50 - 200	-0.0140	+/-0.50	
Chlorobenzene-d5	345513	11.121	337537	11.125	102	50 - 200	-0.0040	+/-0.50	
1,4-Dichlorobenzene-d4	396021	13.518	450175	13.522	88	50 - 200	-0.0040	+/-0.50	
LCS Dup (1F06006-BSD1)			Lab File ID: 0606LD1.D			Analyzed: 06/06/11 18:34			
Fluorobenzene	950557	8.018	935352	8.008	102	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	359182	11.136	337537	11.125	106	50 - 200	0.0110	+/-0.50	
1,4-Dichlorobenzene-d4	442471	13.533	450175	13.522	98	50 - 200	0.0110	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F15904	Instrument:	MS-VOA4
		Calibration:	1154004

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1F15904-CCV1)			Lab File ID: 0607CCVE.D			Analyzed: 06/07/11 19:29			
Fluorobenzene	858801	8.012	915142	7.963	94	50 - 200	0.0490	+/-0.50	
Chlorobenzene-d5	329185	11.129	341298	11.1	96	50 - 200	0.0290	+/-0.50	
1,4-Dichlorobenzene-d4	416186	13.526	488604	13.507	85	50 - 200	0.0190	+/-0.50	
LCS (1F07023-BS1)			Lab File ID: 0607LCSE.D			Analyzed: 06/07/11 19:56			
Fluorobenzene	886217	8.006	858801	8.012	103	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	336832	11.123	329185	11.129	102	50 - 200	-0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	410993	13.52	416186	13.526	99	50 - 200	-0.0060	+/-0.50	
Blank (1F07023-BLK1)			Lab File ID: 0607BLKE.D			Analyzed: 06/07/11 21:12			
Fluorobenzene	891156	8.008	858801	8.012	104	50 - 200	-0.0040	+/-0.50	
Chlorobenzene-d5	355931	11.125	329185	11.129	108	50 - 200	-0.0040	+/-0.50	
1,4-Dichlorobenzene-d4	392188	13.522	416186	13.526	94	50 - 200	-0.0040	+/-0.50	
GW8054-TB (1106026-06)			Lab File ID: 0602606.D			Analyzed: 06/07/11 21:38			
Fluorobenzene	880787	8.006	858801	8.012	103	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	359306	11.123	329185	11.129	109	50 - 200	-0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	383877	13.52	416186	13.526	92	50 - 200	-0.0060	+/-0.50	
GW0089 (1106026-01)			Lab File ID: 0602601.D			Analyzed: 06/07/11 23:23			
Fluorobenzene	889117	8.007	858801	8.012	104	50 - 200	-0.0050	+/-0.50	
Chlorobenzene-d5	355675	11.124	329185	11.129	108	50 - 200	-0.0050	+/-0.50	
1,4-Dichlorobenzene-d4	388268	13.521	416186	13.526	93	50 - 200	-0.0050	+/-0.50	
GW0111 (1106026-03)			Lab File ID: 0602603.D			Analyzed: 06/07/11 23:49			
Fluorobenzene	895246	8.012	858801	8.012	104	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	359748	11.129	329185	11.129	109	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	395487	13.527	416186	13.526	95	50 - 200	0.0010	+/-0.50	
LCS Dup (1F07023-BSD1)			Lab File ID: 0607LDE.D			Analyzed: 06/08/11 00:42			
Fluorobenzene	879361	8.007	858801	8.012	102	50 - 200	-0.0050	+/-0.50	
Chlorobenzene-d5	337338	11.125	329185	11.129	102	50 - 200	-0.0040	+/-0.50	
1,4-Dichlorobenzene-d4	399594	13.522	416186	13.526	96	50 - 200	-0.0040	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F15906	Instrument:	MS-VOA4
		Calibration:	1154004

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1F15906-CCV1)			Lab File ID: 0607CCV1.D			Analyzed: 06/07/11 07:01			
Fluorobenzene	1014170	8.026	915142	7.963	111	50 - 200	0.0630	+/-0.50	
Chlorobenzene-d5	362045	11.143	341298	11.1	106	50 - 200	0.0430	+/-0.50	
1,4-Dichlorobenzene-d4	459208	13.54	488604	13.507	94	50 - 200	0.0330	+/-0.50	
LCS (1F07002-BS1)			Lab File ID: 0607LCS1.D			Analyzed: 06/07/11 07:42			
Fluorobenzene	1012344	8.027	1014170	8.026	100	50 - 200	0.0010	+/-0.50	
Chlorobenzene-d5	378708	11.135	362045	11.143	105	50 - 200	-0.0080	+/-0.50	
1,4-Dichlorobenzene-d4	467660	13.532	459208	13.54	102	50 - 200	-0.0080	+/-0.50	
Blank (1F07002-BLK1)			Lab File ID: 0607BLK1.D			Analyzed: 06/07/11 08:58			
Fluorobenzene	949574	8.015	1014170	8.026	94	50 - 200	-0.0110	+/-0.50	
Chlorobenzene-d5	367309	11.133	362045	11.143	101	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	422865	13.53	459208	13.54	92	50 - 200	-0.0100	+/-0.50	
GW0100 (1106002-01)			Lab File ID: 0600201.D			Analyzed: 06/07/11 12:55			
Fluorobenzene	897050	8.011	1014170	8.026	88	50 - 200	-0.0150	+/-0.50	
Chlorobenzene-d5	347539	11.129	362045	11.143	96	50 - 200	-0.0140	+/-0.50	
1,4-Dichlorobenzene-d4	398960	13.526	459208	13.54	87	50 - 200	-0.0140	+/-0.50	
GW0101 (1106002-03)			Lab File ID: 0600203.D			Analyzed: 06/07/11 13:21			
Fluorobenzene	990407	8.011	1014170	8.026	98	50 - 200	-0.0150	+/-0.50	
Chlorobenzene-d5	378794	11.129	362045	11.143	105	50 - 200	-0.0140	+/-0.50	
1,4-Dichlorobenzene-d4	435757	13.526	459208	13.54	95	50 - 200	-0.0140	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F16201	Instrument:	MS-VOA4
		Calibration:	1154004

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1F16201-CCV1)			Lab File ID: 0610CCV1.D			Analyzed: 06/10/11 07:09			
Fluorobenzene	904962	8.004	915142	7.963	99	50 - 200	0.0410	+/-0.50	
Chlorobenzene-d5	356707	11.121	341298	11.1	105	50 - 200	0.0210	+/-0.50	
1,4-Dichlorobenzene-d4	472803	13.519	488604	13.507	97	50 - 200	0.0120	+/-0.50	
LCS (1F10001-BS1)			Lab File ID: 0610LCS1.D			Analyzed: 06/10/11 07:56			
Fluorobenzene	996418	8.008	904962	8.004	110	50 - 200	0.0040	+/-0.50	
Chlorobenzene-d5	365130	11.125	356707	11.121	102	50 - 200	0.0040	+/-0.50	
1,4-Dichlorobenzene-d4	464770	13.522	472803	13.519	98	50 - 200	0.0030	+/-0.50	
Blank (1F10001-BLK1)			Lab File ID: 0610BLK1.D			Analyzed: 06/10/11 09:12			
Fluorobenzene	979681	8.008	904962	8.004	108	50 - 200	0.0040	+/-0.50	
Chlorobenzene-d5	380156	11.126	356707	11.121	107	50 - 200	0.0050	+/-0.50	
1,4-Dichlorobenzene-d4	442357	13.523	472803	13.519	94	50 - 200	0.0040	+/-0.50	
GW8055-TB (1106048-05)			Lab File ID: 0604805.D			Analyzed: 06/10/11 10:05			
Fluorobenzene	978479	8.006	904962	8.004	108	50 - 200	0.0020	+/-0.50	
Chlorobenzene-d5	390832	11.123	356707	11.121	110	50 - 200	0.0020	+/-0.50	
1,4-Dichlorobenzene-d4	416275	13.52	472803	13.519	88	50 - 200	0.0010	+/-0.50	
GW0090 (1106048-01)			Lab File ID: 0604801.D			Analyzed: 06/10/11 12:43			
Fluorobenzene	946638	8.009	904962	8.004	105	50 - 200	0.0050	+/-0.50	
Chlorobenzene-d5	372629	11.126	356707	11.121	104	50 - 200	0.0050	+/-0.50	
1,4-Dichlorobenzene-d4	404397	13.523	472803	13.519	86	50 - 200	0.0040	+/-0.50	
GW0114 (1106048-03)			Lab File ID: 0604803.D			Analyzed: 06/10/11 13:09			
Fluorobenzene	971914	8.007	904962	8.004	107	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	387090	11.124	356707	11.121	109	50 - 200	0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	442331	13.522	472803	13.519	94	50 - 200	0.0030	+/-0.50	

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_015	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1154004		Instrument:	MS-VOA4	
Matrix:	Water		Calibration Dates:	6/1/11 9:44	6/2/11 11:07

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	~~5.568948E-02~~	5.002	3.585282E-02	10	2.987789E-02	25.01	1.777999E-02	50.02	1.273603E-02	250.1	1.211425E-02
Acrylonitrile	2.499	0.124854	4.998	0.134431	9.996	0.1302964	24.99	0.1242613	49.98	0.1252671	249.9	0.1304118
Benzene	0.5	1.08056	1	0.9719515	2	0.9334702	5	0.9247691	10	0.9081825	50	0.8875279
Bromobenzene	0.5	0.705512	1	0.7342649	2	0.7065945	5	0.7045195	10	0.6736183	50	0.6824926
Bromochloromethane	0.5	0.1621672	1	0.1624302	2	0.1520382	5	0.1451715	10	0.1435562	50	0.1385933
Tert-Amyl Methyl Ether	0.5	0.8006564	1	0.8201087	2	0.7770061	5	0.772233	10	0.7589769	50	0.7360608
Bromodichloromethane	0.5	0.3485986	1	0.3709666	2	0.3427021	5	0.331761	10	0.3143367	50	0.3167253
Bromoform	0.5	0.6739485	1	0.7085094	2	0.6980391	5	0.6988144	10	0.7139334	50	0.7781807
Bromomethane	0.5	0.2278535	1	0.1640012	2	0.1444606	5	0.1366239	10	0.1470018	50	0.1617592
Bromofluorobenzene												
n-Butylbenzene	0.5	1.391575	1	1.09733	2	1.069643	5	0.9938672	10	0.9714506	50	0.9633661
2-Butanone												
sec-Butylbenzene	0.5	1.672491	1	1.520738	2	1.452101	5	1.346056	10	1.33476	50	1.333908
tert-Butylbenzene	0.5	1.363982	1	1.125831	2	1.086495	5	1.038697	10	1.022863	50	1.041584
Carbon disulfide	0.5	1.004502	1	0.8525537	2	0.7881881	5	0.7818405	10	0.7843687	50	0.7681532
Carbon tetrachloride	0.5	0.3327212	1	0.3062814	2	0.2799354	5	0.2805783	10	0.2876827	50	0.293355
Chlorobenzene	0.5	1.63174	1	1.53322	2	1.459515	5	1.435774	10	1.44176	50	1.550469
Chloroethane	0.5	0.2454595	1	0.171549	2	0.1635555	5	0.1334101	10	0.155297	50	0.1437858
Chloroform	0.5	0.5807416	1	0.5374268	2	0.4775231	5	0.4450467	10	0.4256098	50	0.4235655
2-Chloroethyl vinyl ether	0.9975	0.2008904	1.995	0.2146398	3.99	0.2169399	9.975	0.2018437	19.95	0.1928054	99.75	0.1969345
Chloromethane	0.5	0.3917493	1	0.2785494	2	0.2946045	5	0.2796278	10	0.280346	50	0.2796243
1-Chlorohexane	0.4992	1.760833	0.9984	1.454763	1.997	1.361809	4.992	1.266139	9.984	1.296945	49.92	1.324646
2-Chlorotoluene	0.5	1.56224	1	1.266946	2	1.258994	5	1.236761	10	1.187206	50	1.161849
4-Chlorotoluene	0.5	1.639671	1	1.511217	2	1.448345	5	1.386386	10	1.332319	50	1.319355
Cyclohexane	0.5	0.3926456	1	0.4150918	2	0.3994001	5	0.371572	10	0.3799964	50	0.3644676
Dibromochloromethane	0.5	0.650917	1	0.6933306	2	0.6566589	5	0.6566225	10	0.6402316	50	0.7020267
1,2-Dibromo-3-chloropropane	0.5		1	0.1742184	2	0.1640094	5	0.172407	10	0.1685599	50	0.1767754
1,2-Dibromoethane (EDB)	0.5	0.6324918	1	0.7347348	2	0.6809326	5	0.6604094	10	0.6808511	50	0.6956214
Dibromomethane	0.5	0.1994919	1	0.2255785	2	0.2041259	5	0.19632	10	0.1930743	50	0.1926447
1,2-Dichlorobenzene	0.5	0.9651559	1	1.040392	2	0.9990785	5	0.9581145	10	0.9449221	50	0.9693253

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1154004	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	6/1/11 9:44 6/2/11 11:07

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	1.077231	1	1.062398	2	1.050645	5	1.009996	10	0.9490391	50	0.9795653
1,4-Dichlorobenzene	0.5	1.213374	1	1.079234	2	1.089525	5	0.9704661	10	0.9644655	50	1.023404
Dichlorodifluoromethane	0.5	0.2489807	1	0.2558378	2	0.239298	5	0.2577666	10	0.2533815	50	0.2521754
1,1-Dichloroethane	0.5	0.5123663	1	0.5136565	2	0.4759808	5	0.4668122	10	0.4620641	50	0.4654421
1,2-Dichloroethane	0.5	0.3503272	1	0.3964103	2	0.3514533	5	0.3384486	10	0.3453712	50	0.3511849
1,1-Dichloroethene	0.5	0.2933478	1	0.2516712	2	0.2260372	5	0.2278092	10	0.2196439	50	0.2183092
cis-1,2-Dichloroethene	0.5	0.3713904	1	0.284731	2	0.3085694	5	0.2802774	10	0.2801232	50	0.2842319
trans-1,2-Dichloroethene	0.5	0.3634517	1	0.308433	2	0.2587785	5	0.2535065	10	0.2525243	50	0.2537653
1,2-Dichloroethene (total)	1	0.367421	2	0.296582	4	0.283674	10	0.2668919	20	0.2663238	100	0.2689986
1,2-Dichloropropane	0.5	0.2770863	1	0.2797789	2	0.284311	5	0.2794295	10	0.2674982	50	0.2606778
1,3-Dichloropropane	0.5	0.8138845	1	0.9923516	2	0.9146815	5	0.9336486	10	0.9422092	50	0.9579963
2,2-Dichloropropane	0.5	0.4452075	1	0.3900238	2	0.3358119	5	0.3117187	10	0.3166248	50	0.3031632
1,1-Dichloropropene	0.5	0.3891244	1	0.347811	2	0.3116373	5	0.310946	10	0.3130476	50	0.3182402
cis-1,3-Dichloropropene	0.5	0.4094193	1	0.4500301	2	0.4109844	5	0.396777	10	0.4076324	50	0.4011491
trans-1,3-Dichloropropene	0.5	0.8248443	1	0.884161	2	0.8648668	5	0.8333862	10	0.8513797	50	0.8719308
1,3-Dichloropropene (total)	1	0.3709422	2	0.4040605	4	0.3885701	10	0.3737055	20	0.3801229	100	0.3731731
Diisopropyl Ether	0.5	1.172431	1	1.23964	2	1.209416	5	1.203392	10	1.204272	50	1.202896
Ethylbenzene	0.5	2.922614	1	2.65476	2	2.393679	5	2.262886	10	2.324657	50	2.378517
Ethyl tert-Butyl Ether	0.5	0.8716566	1	0.9477373	2	0.9144927	5	0.8689707	10	0.8915415	50	0.8734095
Ethyl Methacrylate	0.5	1.087244	1	1.004832	2	0.8978918	5	0.8817377	10	0.8571731	50	0.9000604
Hexachlorobutadiene	0.5	~~0.1948545~~	1	0.1572569	2	0.1309677	5	0.1288282	10	0.1275904	50	0.1254285
2-Hexanone												
Iodomethane	0.5	0.3686374	1	0.3765335	2	0.3606403	5	0.3864789	10	0.4018885	50	0.4287394
Isopropylbenzene	0.5	2.272809	1	1.976439	2	1.869912	5	1.764564	10	1.759089	50	1.801335
p-Isopropyltoluene	0.5	1.252028	1	1.084404	2	1.058535	5	1.034042	10	0.9754861	50	1.017222
Methylene chloride	0.5	0.3338096	1	0.2958306	2	0.294001	5	0.2727624	10	0.2633675	50	0.2653206
Methyl Acetate	0.5	0.5081409	1	0.4734588	2	0.4085535	5	0.3141462	10	0.3462958	50	0.3247245
Methylcyclohexane	0.5	0.3065363	1	0.321855	2	0.259667	5	0.2458205	10	0.2474959	50	0.2441423
Naphthalene	0.5	1.155756	1	1.219655	2	1.199254	5	1.27896	10	1.203561	50	1.252348
Methyl Methacrylate	0.5	0.4048097	1	0.3682344	2	0.3482848	5	0.3460046	10	0.3364179	50	0.3257833
4-Methyl-2-pentanone												

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1154004	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	6/1/11 9:44 6/2/11 11:07

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
Methyl t-Butyl Ether	0.5	0.7393876	1	0.7793986	2	0.7247341	5	0.7121814	10	0.7286984	50	0.7215806
n-Propylbenzene	0.5	2.308716	1	1.974728	2	1.781887	5	1.857191	10	1.756166	50	1.741161
Styrene	0.5	1.689875	1	1.631292	2	1.573677	5	1.521929	10	1.552219	50	1.609894
1,1,2,2-Tetrachloroethane	0.5	0.6329429	1	0.6090394	2	0.6521561	5	0.6453142	10	0.6179003	50	0.6069466
1,1,1,2-Tetrachloroethane	0.5	0.5938943	1	0.5781409	2	0.5265784	5	0.5402212	10	0.5299112	50	0.5747226
tert-Butyl alcohol	2.5	3.541685E-02	5	3.834665E-02	10	3.544374E-02	25	3.912314E-02	50	3.697134E-02	250	3.576739E-02
Tetrachloroethene	0.5	1.016085	1	0.8774992	2	0.8226946	5	0.7708135	10	0.7923856	50	0.8307157
Toluene	0.5	1.575511	1	1.442317	2	1.361707	5	1.320705	10	1.341731	50	1.341295
1,2,3-Trichlorobenzene	0.5	0.5754469	1	0.5614967	2	0.5343798	5	0.5356452	10	0.5188969	50	0.5209851
1,2,4-Trichlorobenzene	0.5	0.6777972	1	0.6056345	2	0.5973705	5	0.5811193	10	0.5543059	50	0.5754435
1,1,2-Trichloroethane	0.5	0.504151	1	0.5423023	2	0.5233313	5	0.5023363	10	0.4953052	50	0.5035184
1,1,1-Trichloroethane	0.5	0.4332354	1	0.3887601	2	0.3569353	5	0.3563574	10	0.34066	50	0.342344
Tetrahydrofuran	0.5	~~0.1943701~~	1	0.136884	2	0.1230355	5	0.1151867	10	0.1100987	50	0.1126348
Trichloroethene	0.5	0.3304164	1	0.292996	2	0.2656185	5	0.2553733	10	0.2511171	50	0.2435681
Trichlorofluoromethane	0.5	0.3886763	1	0.4202831	2	0.375259	5	0.3817675	10	0.3781875	50	0.3853459
1,2,3-Trichloropropane	0.5	0.2514401	1	0.227428	2	0.2239285	5	0.2083587	10	0.2077013	50	0.2068384
1,3,5-Trimethylbenzene	0.5	1.481162	1	1.285231	2	1.291184	5	1.248661	10	1.231514	50	1.229488
1,2,4-Trimethylbenzene	0.5	1.581689	1	1.445074	2	1.373078	5	1.258666	10	1.260697	50	1.27432
1,1,2-Trichloro-1,2,2-trifluoroethan	0.5	0.2703	1	0.2629074	2	0.236951	5	0.2321581	10	0.2312126	50	0.2387872
Vinyl chloride	0.5	0.3096734	1	0.2409131	2	0.2087362	5	0.2281921	10	0.2278378	50	0.2013283
m,p-Xylene	1	2.298938	2	2.094665	4	1.896383	10	1.76315	20	1.767213	100	1.774028
o-Xylene	0.5	2.266614	1	2.152934	2	1.940119	5	1.849322	10	1.799195	50	1.845254
Vinyl acetate	1.001	0.4756544	2.002	0.4748453	4.004	0.4065627	10.01	0.3915407	20.02	0.3978746	100.1	0.4077153
Xylenes (total)	1.5	2.288163	3	2.114088	6	1.910962	15	1.791874	30	1.777873	150	1.79777
Dibromofluoromethane												
1,2-Dichloroethane-d4												
Toluene-d8												
tert-Amyl alcohol	2.5	2.977013E-02	5	2.902296E-02	10	2.755431E-02	25	3.010924E-02	50	3.044453E-02	250	2.943999E-02
tert-Amyl ethyl ether	0.5	0.7011026	1	0.7621857	2	0.7088412	5	0.7054528	10	0.7085848	50	0.6993899

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1154004	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	6/1/11 9:44 6/2/11 11:07

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	~~0.2500121~~	2	0.1535402	4	0.146459
Acrolein	500.2	1.182615E-02	750.3	1.193273E-02	1000	1.131899E-02						
Acrylonitrile	499.8	0.1274407	749.7	0.1285044	999.6	0.1289924						
Benzene	100	0.8663655	150	0.8541987	200	0.8320284						
Bromobenzene	100	0.6734834	150	0.694701	200	0.6814758						
Bromochloromethane	100	0.137736	150	0.1381979	200	0.1384461						
Tert-Amyl Methyl Ether	100	0.7050594	150	0.7150821	200	0.6908219						
Bromodichloromethane	100	0.3145718	150	0.3205611	200	0.3109374						
Bromoform	100	0.8355836	150	0.8634516	200	0.9170762						
Bromomethane	100	0.1654497	150	0.1688087	200	0.1694875						
Bromofluorobenzene							30	0.9013374	35	0.8645549	40	0.8770451
n-Butylbenzene	100	0.9409694	150	0.915554	200	0.8868169						
2-Butanone							1	0.2119675	2	0.218398	4	0.1873632
sec-Butylbenzene	100	1.278015	150	1.293468	200	1.225762						
tert-Butylbenzene	100	1.002928	150	1.001931	200	0.9661548						
Carbon disulfide	100	0.7742379	150	0.7750027	200	0.7734551						
Carbon tetrachloride	100	0.2915436	150	0.2936441	200	0.2911891						
Chlorobenzene	100	1.538669	150	1.554042	200	1.57159						
Chloroethane	100	0.1445435	150	0.1416332	200	0.1390003						
Chloroform	100	0.4103734	150	0.4156437	200	0.4103148						
2-Chloroethyl vinyl ether	199.5	0.1770332	299.2	0.1765873	399	0.1764969						
Chloromethane	100	0.2783358	150	0.2920192	200	0.2842337						
1-Chlorohexane	99.84	1.281823	149.8	1.274569	199.7	1.245502						
2-Chlorotoluene	100	1.085399	150	1.095589	200	1.037859						
4-Chlorotoluene	100	1.25964	150	1.226645	200	1.162101						
Cyclohexane	100	0.360921	150	0.3644257	200	0.3538782						
Dibromochloromethane	100	0.7175703	150	0.7405133	200	0.7852495						
1,2-Dibromo-3-chloropropane	100	0.1854054	150	0.1909515	200	0.1904689						
1,2-Dibromoethane (EDB)	100	0.7266723	150	0.7329176	200	0.771876						
Dibromomethane	100	0.1887107	150	0.1906417	200	0.1872932						
1,2-Dichlorobenzene	100	0.9517585	150	0.9520534	200	0.9281757						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1154004	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	6/1/11 9:44 6/2/11 11:07

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	0.9586107	150	0.9347412	200	0.9542279						
1,4-Dichlorobenzene	100	0.9755907	150	1.000959	200	0.9572245						
Dichlorodifluoromethane	100	0.2498779	150	0.2494813	200	0.2430046						
1,1-Dichloroethane	100	0.4491172	150	0.463654	200	0.4572872						
1,2-Dichloroethane	100	0.3362652	150	0.3342031	200	0.3275413						
1,1-Dichloroethene	100	0.2206959	150	0.2232522	200	0.2202121						
cis-1,2-Dichloroethene	100	0.2730589	150	0.2751732	200	0.2702823						
trans-1,2-Dichloroethene	100	0.2474318	150	0.2483054	200	0.2346298						
1,2-Dichloroethene (total)	200	0.2602453	300	0.2617393	400	0.252456						
1,2-Dichloropropane	100	0.2598495	150	0.2581914	200	0.2471885						
1,3-Dichloropropane	100	0.969425	150	0.9667796	200	1.013905						
2,2-Dichloropropane	100	0.2878806	150	0.2808302	200	0.2590654						
1,1-Dichloropropene	100	0.2997784	150	0.3030345	200	0.287569						
cis-1,3-Dichloropropene	100	0.3831297	150	0.3884408	200	0.3717913						
trans-1,3-Dichloropropene	100	0.8507647	150	0.8699281	200	0.8473118						
1,3-Dichloropropene (total)	200	0.3502093	300	0.3568494	400	0.3360862						
Diisopropyl Ether	100	1.122709	150	1.099738	200	1.07913						
Ethylbenzene	100	2.403512	150	2.368522	200	2.411038						
Ethyl tert-Butyl Ether	100	0.8397192	150	0.8518846	200	0.8103197						
Ethyl Methacrylate	100	0.9400471	150	0.9860916	200	0.9839426						
Hexachlorobutadiene	100	0.1266756	150	0.1329273	200	0.1319729						
2-Hexanone							1	0.6929512	2	0.6237533	4	0.5694412
Iodomethane	100	0.4291777	150	0.4412324	200	0.4380503						
Isopropylbenzene	100	1.88096	150	1.866754	200	1.901504						
p-Isopropyltoluene	100	0.9441253	150	0.925419	200	0.9205864						
Methylene chloride	100	0.2540317	150	0.2600047	200	0.2593153						
Methyl Acetate	100	0.3229863	150	0.3260598	200	0.3270577						
Methylcyclohexane	100	0.2368718	150	0.2400342	200	0.23364						
Naphthalene	100	1.230488	150	1.274143	200	1.24185						
Methyl Methacrylate	100	0.3190475	150	0.3193761	200	0.3228442						
4-Methyl-2-pentanone							1	0.4120025	2	0.3609113	4	0.3731231

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1154004	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	6/1/11 9:44 6/2/11 11:07

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
Methyl t-Butyl Ether	100	0.701956	150	0.6980854	200	0.6663964						
n-Propylbenzene	100	1.673974	150	1.638983	200	1.554685						
Styrene	100	1.615324	150	1.636518	200	1.640504						
1,1,2,2-Tetrachloroethane	100	0.6082103	150	0.6031619	200	0.5906547						
1,1,1,2-Tetrachloroethane	100	0.5827804	150	0.598032	200	0.6234202						
tert-Butyl alcohol	500	3.623077E-02	750	3.518849E-02	1000	3.880913E-02						
Tetrachloroethene	100	0.8913067	150	0.8966587	200	0.933639						
Toluene	100	1.325724	150	1.354814	200	1.316697						
1,2,3-Trichlorobenzene	100	0.5336542	150	0.5647198	200	0.5510497						
1,2,4-Trichlorobenzene	100	0.5856847	150	0.5962185	200	0.5916147						
1,1,2-Trichloroethane	100	0.5098079	150	0.5321256	200	0.5412997						
1,1,1-Trichloroethane	100	0.3396696	150	0.3462364	200	0.3388549						
Tetrahydrofuran	100	0.1095702	150	0.1145656	200	0.1194973						
Trichloroethene	100	0.2415281	150	0.2471	200	0.2328769						
Trichlorofluoromethane	100	0.3707795	150	0.3806026	200	0.3846733						
1,2,3-Trichloropropane	100	0.2253608	150	0.2252519	200	0.240882						
1,3,5-Trimethylbenzene	100	1.196748	150	1.166915	200	1.107202						
1,2,4-Trimethylbenzene	100	1.206052	150	1.179058	200	1.126665						
1,1,2-Trichloro-1,2,2-trifluoroethar	100	0.2361683	150	0.2417745	200	0.2431232						
Vinyl chloride	100	0.1752253	150	0.162141	200	0.1517728						
m,p-Xylene	200	1.644332	300	1.648055	400	1.628426						
o-Xylene	100	1.894396	150	1.896493	200	1.869895						
Vinyl acetate	200.2	0.3975312	300.3	0.3971849	400.4	0.403404						
Xylenes (total)	300	1.727687	450	1.730868	600	1.708915						
Dibromofluoromethane							30	0.3023525	35	0.3024719	40	0.2881281
1,2-Dichloroethane-d4							30	6.269874E-02	35	6.236723E-02	40	6.131002E-02
Toluene-d8							30	2.222372	35	2.113746	40	2.082663
tert-Amyl alcohol	500	2.928503E-02	750	3.037335E-02	1000	3.276653E-02						
tert-Amyl ethyl ether	100	0.6641228	150	0.6715771	200	0.6458142						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1154004	Instrument:	MS-VOA4	
Matrix:	Water	Calibration Dates:	6/1/11 9:44	6/2/11 11:07

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	0.122563	20	9.826041E-02	100	0.1142677	200	0.1165648	300	0.11942	400	0.1245592
Acrolein												
Acrylonitrile												
Benzene												
Bromobenzene												
Bromochloromethane												
Tert-Amyl Methyl Ether												
Bromodichloromethane												
Bromoform												
Bromomethane												
Bromofluorobenzene	50	0.8131432	60	0.7848842	70	0.7942891	30	0.9340145	30	0.9359507	30	0.9566691
n-Butylbenzene												
2-Butanone	10	0.1688955	20	0.1733884	100	0.197541	200	0.1967783	300	0.2061603	400	0.2054493
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_015
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Calibration: 1154004
Instrument: MS-VOA4
Matrix: Water
Calibration Dates: 6/1/11 9:44 6/2/11 11:07

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												
1,3-Dichloropropene (total)												
Diisopropyl Ether												
Ethylbenzene												
Ethyl tert-Butyl Ether												
Ethyl Methacrylate												
Hexachlorobutadiene												
2-Hexanone	10	0.5404148	20	0.5833559	100	0.660758	200	0.6314121	300	0.6384493	400	0.6324422
Iodomethane												
Isopropylbenzene												
p-Isopropyltoluene												
Methylene chloride												
Methyl Acetate												
Methylcyclohexane												
Naphthalene												
Methyl Methacrylate												
4-Methyl-2-pentanone	10	0.322393	20	0.3290897	100	0.3757151	200	0.3739015	300	0.3754728	400	0.3608556

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1154004	Instrument:	MS-VOA4	
Matrix:	Water	Calibration Dates:	6/1/11 9:44	6/2/11 11:07

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
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	0.2882012	60	0.2846933	70	0.2805484	30	0.3038395	30	0.2995113	30	0.3103738
1,2-Dichloroethane-d4	50	6.131786E-02	60	6.119294E-02	70	0.0597071	30	6.339035E-02	30	6.405888E-02	30	6.592331E-02
Toluene-d8	50	2.080724	60	1.984905	70	2.019518	30	2.171069	30	2.226519	30	2.274844
tert-Amyl alcohol												
tert-Amyl ethyl ether												

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1154004	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	6/1/11 9:44 6/2/11 11:07

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_015	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1154004	Instrument:	MS-VOA4	
Matrix:	Water	Calibration Dates:	6/1/11 9:44	6/2/11 11:07

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												
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_015	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1154004	Instrument:	MS-VOA4	
Matrix:	Water	Calibration Dates:	6/1/11 9:44	6/2/11 11:07

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
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_015	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1154004	Instrument:	MS-VOA4	
Matrix:	Water	Calibration Dates:	6/1/11 9:44	6/2/11 11:07

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_015	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1154004	Instrument:	MS-VOA4	
Matrix:	Water	Calibration Dates:	6/1/11 9:44	6/2/11 11:07

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												
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_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1154004	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	6/1/11 9:44 6/2/11 11:07

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
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_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1154004	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	6/1/11 9:44 6/2/11 11:07

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acetone	0.1244543	14.28107	3.82725	0.8950139			15	
Acrolein	1.792986E-02	53.40119	3.67625	0.4270338	0.9990445		0.995	
Acrylonitrile	0.1282732	2.536204	4.642111	0.4498204			15	
Benzene	0.9176726	8.152253	7.707778	0.116721			15	
Bromobenzene	0.6951847	2.848266	12.46144	2.242013E-02			15	
Bromochloromethane	0.1464818	6.883919	6.799	0.2192656			15	
Tert-Amyl Methyl Ether	0.7528895	5.873801	7.896111	0.1089927			15	
Bromodichloromethane	0.330129	6.152664	8.695222	0.1011366			15	
Bromoform	0.7652819	11.40365	11.86844	2.969539E-02			SPCC (0.1)	
Bromomethane	0.1650496	15.95529	2.843111	0.4712877	0.9998357		0.995	
Bromofluorobenzene	0.8735431	7.365354	12.305	3.107365E-02			15	
n-Butylbenzene	1.025619	14.92164	13.89178	1.912957E-02			15	
2-Butanone	0.1962157	8.589126	6.272222	0.3614664			15	
sec-Butylbenzene	1.384144	10.134	13.35056	1.598984E-02			15	
tert-Butylbenzene	1.072274	11.11774	13.11689	2.878984E-02			15	
Carbon disulfide	0.8113669	9.461018	4.814	0.3730948			15	
Carbon tetrachloride	0.2952145	5.447797	7.674778	0.1495982			15	
Chlorobenzene	1.524087	4.307618	11.13956	2.226072E-02			SPCC (0.3)	
Chloroethane	0.1598038	21.51661	2.979333	0.6053679	0.9996905		0.995	
Chloroform	0.4584717	13.46594	6.772889	0.2136271			CCC (20)	
2-Chloroethyl vinyl ether	0.1949079	8.03336	9.053778	6.618116E-02			15	
Chloromethane	0.2954544	12.38932	2.261222	0.5076517			SPCC (0.1)	
1-Chlorohexane	1.363003	11.89042	11.10344	3.719483E-02			15	
2-Chlorotoluene	1.210316	12.7838	12.67956	8.98948E-03			15	
4-Chlorotoluene	1.365075	10.9514	12.74422	0.030885			15	
Cyclohexane	0.3780443	5.400411	7.605667	0.1520593			15	
Dibromochloromethane	0.69368	6.960055	10.37122	4.033945E-02			15	
1,2-Dibromo-3-chloropropane	0.1778495	5.66198	14.4965	3.015333E-02			15	
1,2-Dibromoethane (EDB)	0.7018341	6.172114	10.585	4.948073E-02			15	
Dibromomethane	0.1975423	5.960937	8.630555	8.446097E-02			15	
1,2-Dichlorobenzene	0.967664	3.456474	13.85244	1.923404E-02			15	
1,3-Dichlorobenzene	0.9973838	5.43904	13.44122	2.985968E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1154004	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	6/1/11 9:44 6/2/11 11:07

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.030471	8.1607	13.53344	2.397469E-02			15	
Dichlorodifluoromethane	0.2499782	2.346923	2.038889	0.286493			15	
1,1-Dichloroethane	0.4740423	4.902873	5.809444	0.334428			SPCC (0.1)	
1,2-Dichloroethane	0.3479117	5.762695	7.535556	0.1710418			15	
1,1-Dichloroethene	0.2334421	10.56729	4.274889	0.5602396			CCC (20)	
cis-1,2-Dichloroethene	0.291982	10.88614	6.518444	0.2268032			15	
trans-1,2-Dichloroethene	0.2689807	15.21488	5.434556	0.3579971	0.9987237		0.995	
1,2-Dichloroethene (total)	0.2804813	12.5364	0	0			15	
1,2-Dichloropropane	0.2682235	4.692176	8.517778	0.1036952			CCC (20)	
1,3-Dichloropropane	0.9449868	6.087852	10.11033	5.556447E-02			15	
2,2-Dichloropropane	0.3255918	17.9059	6.626	0.2122837	0.9964458		0.995	
1,1-Dichloropropene	0.320132	9.566496	7.554222	0.1614125			15	
cis-1,3-Dichloropropene	0.4021505	5.528688	9.269667	6.175645E-02			15	
trans-1,3-Dichloropropene	0.855397	2.234392	9.743222	5.773969E-02			15	
1,3-Dichloropropene (total)	0.3704132	5.52061	9.743222	5.773969E-02			15	
Diisopropyl Ether	1.170403	4.796312	6.175444	0.2919304			15	
Ethylbenzene	2.457798	8.31427	11.28644	0.034209			CCC (20)	
Ethyl tert-Butyl Ether	0.8744146	4.633722	6.640111	0.2447499			15	
Ethyl Methacrylate	0.94878	7.71542	9.930556	5.396223E-02			15	
Hexachlorobutadiene	0.1327059	7.731467	15.85675	2.139758E-02			15	
2-Hexanone	0.6192198	7.628299	10.05267	6.176052E-02			15	
Iodomethane	0.4034865	7.830375	4.473111	0.5032445			15	
Isopropylbenzene	1.899263	8.223105	12.18644	1.720134E-02			15	
p-Isopropyltoluene	1.023539	10.13738	13.48744	2.251504E-02			15	
Methylene chloride	0.2776048	9.304155	4.762444	0.4486539			15	
Methyl Acetate	0.3723804	19.67395	4.626667	0.5107637	0.9999539		0.995	
Methylcyclohexane	0.2595626	12.35499	8.846555	6.617263E-02			15	
Naphthalene	1.228446	3.182494	15.72889	1.804321E-02			15	
Methyl Methacrylate	0.3434225	8.216907	8.650334	8.458415E-02			15	
4-Methyl-2-pentanone	0.3648294	7.327708	9.202111	0.0844747			15	
Methyl t-Butyl Ether	0.7191576	4.324744	5.425667	0.330039			15	
n-Propylbenzene	1.809721	12.34725	12.59622	2.961812E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	1154004	Instrument:	MS-VOA4		
Matrix:	Water	Calibration Dates:	6/1/11 9:44	6/2/11 11:07	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Styrene	1.607915	3.176596	11.761	1.905337E-02			15	
1,1,2,2-Tetrachloroethane	0.6184807	3.333349	12.11078	3.088946E-02			SPCC (0.3)	
1,1,1,2-Tetrachloroethane	0.5719668	5.800895	11.18111	3.153766E-02			15	
tert-Butyl alcohol	3.681083E-02	4.251475	4.421778	0.5052918			15	
Tetrachloroethene	0.8701998	8.737997	10.48189	3.819876E-02			15	
Toluene	1.375611	6.100282	9.744222	5.955191E-02			CCC (20)	
1,2,3-Trichlorobenzene	0.5440305	3.678169	16.01711	0.0263107			15	
1,2,4-Trichlorobenzene	0.5961321	5.717414	15.57878	1.910641E-02			15	
1,1,2-Trichloroethane	0.5171309	3.475128	9.898667	3.675949E-02			15	
1,1,1-Trichloroethane	0.3603392	8.747165	7.336111	0.1430505			15	
Tetrahydrofuran	0.1176841	7.636741	6.980875	0.2257993			15	
Trichloroethene	0.2622883	11.78614	8.471667	0.1076816			15	
Trichlorofluoromethane	0.3850639	3.709107	3.483333	0.5719007			15	
1,2,3-Trichloropropane	0.2241322	6.799072	12.23556	2.044686E-02			15	
1,3,5-Trimethylbenzene	1.248678	8.363577	12.775	0.0284411			15	
1,2,4-Trimethylbenzene	1.300589	10.97993	13.14878	2.745792E-02			15	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2437091	5.61128	4.355889	0.5540275			15	
Vinyl chloride	0.2117578	22.6961	2.400444	0.5586778		0.9999339	CCC (20)	*
m,p-Xylene	1.835021	12.39518	11.39711	2.659833E-02			15	
o-Xylene	1.946025	8.076146	11.79067	2.659442E-02			15	
Vinyl acetate	0.4169237	8.0234	5.879444	0.3065762			15	
Xylenes (total)	1.872022	10.70777	0	0			15	
Dibromofluoromethane	0.2955689	3.488133	6.962778	0.2358843			15	
1,2-Dichloroethane-d4	6.244071E-02	2.957918	7.460444	0.1948803			15	
Toluene-d8	2.130707	4.655061	9.681111	7.584852E-02			15	
tert-Amyl alcohol	0.0298629	4.683176	7.143111	0.2273236			15	
tert-Amyl ethyl ether	0.6963412	4.806273	8.781889	8.453099E-02			15	

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1154004
Lab File ID:	0601ICV2.D	Calibration Date:	06/01/11 09:44
Sequence:	1F15404	Injection Date:	06/01/11
Lab Sample ID:	1F15404-ICV2	Injection Time:	16:25

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Benzene	A	100.0	97.70	0.9176726	0.8965907		-2.3	20
Bromobenzene	A	100.0	93.32	0.6951847	0.6487312		-6.7	20
Bromochloromethane	A	100.0	95.80	0.1464818	0.1403296		-4.2	20
Bromodichloromethane	A	100.0	101.3	0.330129	0.334571		1.3	20
Bromoform	A	100.0	107.0	0.7652819	0.8185113	0.1	7.0	20
Bromomethane	L	100.0	93.74	0.1650496	0.1574083		-6.3	20
n-Butylbenzene	A	100.0	89.17	1.025619	0.9145394		-10.8	20
sec-Butylbenzene	A	100.0	90.31	1.384144	1.250011		-9.7	20
tert-Butylbenzene	A	100.0	92.54	1.072274	0.9922483		-7.5	20
Carbon disulfide	A	100.0	99.56	0.8113669	0.8078019		-0.4	20
Carbon tetrachloride	A	100.0	102.2	0.2952145	0.3017524		2.2	20
Chlorobenzene	A	100.0	98.94	1.524087	1.507937	0.3	-1.1	20
Chloroethane	L	100.0	100.0	0.1598038	0.1410562		0.002	20
Chloroform	A	100.0	92.81	0.4584717	0.4255207		-7.2	20
Chloromethane	A	100.0	102.7	0.2954544	0.3034532	0.1	2.7	20
2-Chlorotoluene	A	100.0	88.19	1.210316	1.067388		-11.8	20
4-Chlorotoluene	A	100.0	90.17	1.365075	1.230909		-9.8	20
Dibromochloromethane	A	100.0	106.1	0.69368	0.7362012		6.1	20
1,2-Dibromo-3-chloropropane	A	100.0	104.9	0.1778495	0.1865752		4.9	20
1,2-Dibromoethane (EDB)	A	100.0	102.2	0.7018341	0.7170393		2.2	20
Dibromomethane	A	100.0	100.8	0.1975423	0.199048		0.8	20
1,2-Dichlorobenzene	A	100.0	94.91	0.967664	0.918418		-5.1	20
1,3-Dichlorobenzene	A	100.0	94.15	0.9973838	0.9390164		-5.9	20
1,4-Dichlorobenzene	A	100.0	94.63	1.030471	0.9751141		-5.4	20
Dichlorodifluoromethane	A	100.0	114.1	0.2499782	0.2852896		14.1	20
1,1-Dichloroethane	A	100.0	97.62	0.4740423	0.4627684	0.1	-2.4	20
1,2-Dichloroethane	A	100.0	97.52	0.3479117	0.3392946		-2.5	20
1,1-Dichloroethene	A	100.0	101.9	0.2334421	0.237992		1.9	20
cis-1,2-Dichloroethene	A	100.0	94.42	0.291982	0.2756958		-5.6	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1154004
Lab File ID:	0601ICV2.D	Calibration Date:	06/01/11 09:44
Sequence:	1F15404	Injection Date:	06/01/11
Lab Sample ID:	1F15404-ICV2	Injection Time:	16:25

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
trans-1,2-Dichloroethene	L	100.0	104.5	0.2689807	0.2527301		4.5	20
1,2-Dichloropropane	A	100.0	97.10	0.2682235	0.2604352		-2.9	20
1,3-Dichloropropane	A	100.0	100.7	0.9449868	0.9519298		0.7	20
2,2-Dichloropropane	L	100.0	88.42	0.3255918	0.2423321		-11.6	20
1,1-Dichloropropene	A	100.0	96.48	0.320132	0.3088693		-3.5	20
cis-1,3-Dichloropropene	A	100.0	94.42	0.4021505	0.3797114		-5.6	20
trans-1,3-Dichloropropene	A	100.0	107.0	0.855397	0.9149766		7.0	20
Ethylbenzene	A	100.0	97.22	2.457798	2.389417		-2.8	20
Hexachlorobutadiene	A	100.0	101.6	0.1327059	0.1348139		1.6	20
Isopropylbenzene	A	100.0	102.5	1.899263	1.945949		2.5	20
p-Isopropyltoluene	A	100.0	98.86	1.023539	1.01192		-1.1	20
Methylene chloride	A	100.0	97.54	0.2776048	0.2707658		-2.5	20
Naphthalene	A	100.0	104.6	1.228446	1.285237		4.6	20
Methyl t-Butyl Ether	A	100.0	94.09	0.7191576	0.676666		-5.9	20
n-Propylbenzene	A	100.0	88.59	1.809721	1.603163		-11.4	20
Styrene	A	100.0	100.0	1.607915	1.608437		0.03	20
1,1,2,2-Tetrachloroethane	A	100.0	95.50	0.6184807	0.5906658	0.3	-4.5	20
1,1,1,2-Tetrachloroethane	A	100.0	100.0	0.5719668	0.5720161		0.009	20
Tetrachloroethene	A	100.0	100.5	0.8701998	0.8748161		0.5	20
Toluene	A	100.0	96.58	1.375611	1.328506		-3.4	20
1,2,3-Trichlorobenzene	A	100.0	104.8	0.5440305	0.5703365		4.8	20
1,2,4-Trichlorobenzene	A	100.0	97.03	0.5961321	0.5784477		-3.0	20
1,1,2-Trichloroethane	A	100.0	96.35	0.5171309	0.4982638		-3.6	20
1,1,1-Trichloroethane	A	100.0	96.26	0.3603392	0.346852		-3.7	20
Trichloroethene	A	100.0	93.51	0.2622883	0.2452597		-6.5	20
Trichlorofluoromethane	A	100.0	102.0	0.3850639	0.3926879		2.0	20
1,2,3-Trichloropropane	A	100.0	99.14	0.2241322	0.2221958		-0.9	20
1,3,5-Trimethylbenzene	A	100.0	90.18	1.248678	1.126032		-9.8	20
1,2,4-Trimethylbenzene	A	100.0	91.53	1.300589	1.190459		-8.5	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1154004
Lab File ID:	0601ICV2.D	Calibration Date:	06/01/11 09:44
Sequence:	1F15404	Injection Date:	06/01/11
Lab Sample ID:	1F15404-ICV2	Injection Time:	16:25

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Vinyl chloride	Q	100.0	98.98	0.2117578	0.1751651		-1.0	20
m,p-Xylene	A	200.0	180.9	1.835021	1.659619		-9.6	20
o-Xylene	A	100.0	96.71	1.946025	1.882044		-3.3	20
Bromofluorobenzene	A	30.00	33.84	0.8735431	0.9854771		12.8	20
Dibromofluoromethane	A	30.00	31.71	0.2955689	0.3124241		5.7	20
1,2-Dichloroethane-d4	A	30.00	31.24	6.244071E-02	0.065017		4.1	20
Toluene-d8	A	30.00	34.16	2.130707	2.425819		13.9	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_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1154004
Lab File ID:	601ICV4.D	Calibration Date:	06/01/11 09:44
Sequence:	1F15404	Injection Date:	06/02/11
Lab Sample ID:	1F15404-ICV4	Injection Time:	13:27

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetone	A	200.0	208.0	0.1244543	0.1294575		4.0	20
2-Butanone	A	200.0	229.8	0.1962157	0.2254106		14.9	20
2-Hexanone	A	200.0	231.9	0.6192198	0.7178454		15.9	20
4-Methyl-2-pentanone	A	200.0	230.4	0.3648294	0.4201922		15.2	20
Bromofluorobenzene	A	30.00	32.76	0.8735431	0.9537777		9.2	20
Dibromofluoromethane	A	30.00	31.98	0.2955689	0.3150766		6.6	20
1,2-Dichloroethane-d4	A	30.00	30.34	6.244071E-02	6.314808E-02		1.1	20
Toluene-d8	A	30.00	31.82	2.130707	2.260165		6.1	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1154004
Lab File ID:	0606CCV1.D	Calibration Date:	06/01/11 09:44
Sequence:	1F15803	Injection Date:	06/06/11
Lab Sample ID:	1F15803-CCV1	Injection Time:	09:04

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	198.5	0.1244543	0.1235427		-0.7	20
Benzene	A	100.0	98.01	0.9176726	0.8993922		-2.0	20
Bromobenzene	A	100.0	106.7	0.6951847	0.7416103		6.7	20
Bromochloromethane	A	100.0	97.52	0.1464818	0.1428553		-2.5	20
Bromodichloromethane	A	100.0	102.4	0.330129	0.3381328		2.4	20
Bromoform	A	100.0	105.2	0.7652819	0.8052459	0.1	5.2	20
Bromomethane	L	100.0	79.48	0.1650496	0.1332429		-20.5	20 *
n-Butylbenzene	A	100.0	107.6	1.025619	1.103498		7.6	20
2-Butanone	A	200.0	196.6	0.1962157	0.192859		-1.7	20
sec-Butylbenzene	A	100.0	106.4	1.384144	1.473243		6.4	20
tert-Butylbenzene	A	100.0	105.2	1.072274	1.127619		5.2	20
Carbon disulfide	A	100.0	101.2	0.8113669	0.8210072		1.2	20
Carbon tetrachloride	A	100.0	98.35	0.2952145	0.2903411		-1.7	20
Chlorobenzene	A	100.0	104.9	1.524087	1.59908	0.3	4.9	20
Chloroethane	L	100.0	109.2	0.1598038	0.1539749		9.2	20
Chloroform	A	100.0	96.22	0.4584717	0.4411371		-3.8	20
Chloromethane	A	100.0	111.3	0.2954544	0.3288591	0.1	11.3	20
2-Chlorotoluene	A	100.0	101.8	1.210316	1.231776		1.8	20
4-Chlorotoluene	A	100.0	104.6	1.365075	1.428688		4.7	20
Dibromochloromethane	A	100.0	108.8	0.69368	0.7547093		8.8	20
1,2-Dibromo-3-chloropropane	A	100.0	104.5	0.1778495	0.185921		4.5	20
1,2-Dibromoethane (EDB)	A	100.0	106.4	0.7018341	0.7469448		6.4	20
Dibromomethane	A	100.0	97.16	0.1975423	0.1919367		-2.8	20
1,2-Dichlorobenzene	A	100.0	106.9	0.967664	1.034282		6.9	20
1,3-Dichlorobenzene	A	100.0	104.1	0.9973838	1.038655		4.1	20
1,4-Dichlorobenzene	A	100.0	103.3	1.030471	1.064817		3.3	20
Dichlorodifluoromethane	A	100.0	123.0	0.2499782	0.307594		23.0	20 *
1,1-Dichloroethane	A	100.0	102.5	0.4740423	0.4858325	0.1	2.5	20
1,2-Dichloroethane	A	100.0	100.6	0.3479117	0.35		0.6	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1154004
Lab File ID:	0606CCV1.D	Calibration Date:	06/01/11 09:44
Sequence:	1F15803	Injection Date:	06/06/11
Lab Sample ID:	1F15803-CCV1	Injection Time:	09:04

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	107.4	0.2334421	0.2506745		7.4	20
cis-1,2-Dichloroethene	A	100.0	93.95	0.291982	0.2743156		-6.1	20
trans-1,2-Dichloroethene	L	100.0	109.1	0.2689807	0.2637724		9.1	20
1,2-Dichloropropane	A	100.0	98.82	0.2682235	0.2650527		-1.2	20
1,3-Dichloropropane	A	100.0	109.5	0.9449868	1.035207		9.5	20
2,2-Dichloropropane	L	100.0	124.3	0.3255918	0.3384911		24.3	20 *
1,1-Dichloropropene	A	100.0	101.7	0.320132	0.3255491		1.7	20
cis-1,3-Dichloropropene	A	100.0	96.54	0.4021505	0.3882585		-3.5	20
trans-1,3-Dichloropropene	A	100.0	117.5	0.855397	1.005104		17.5	20
Ethylbenzene	A	100.0	103.9	2.457798	2.553262		3.9	20
Hexachlorobutadiene	A	100.0	117.8	0.1327059	0.1564038		17.9	20
2-Hexanone	A	200.0	228.4	0.6192198	0.7073247		14.2	20
Isopropylbenzene	A	100.0	107.0	1.899263	2.033142		7.0	20
p-Isopropyltoluene	A	100.0	109.9	1.023539	1.125374		9.9	20
Methylene chloride	A	100.0	99.44	0.2776048	0.2760539		-0.6	20
Naphthalene	A	100.0	97.78	1.228446	1.201202		-2.2	20
4-Methyl-2-pentanone	A	200.0	188.4	0.3648294	0.3437675		-5.8	20
Methyl t-Butyl Ether	A	100.0	94.26	0.7191576	0.6778917		-5.7	20
n-Propylbenzene	A	100.0	103.8	1.809721	1.878474		3.8	20
Styrene	A	100.0	106.4	1.607915	1.711005		6.4	20
1,1,2,2-Tetrachloroethane	A	100.0	101.7	0.6184807	0.6288488	0.3	1.7	20
1,1,1,2-Tetrachloroethane	A	100.0	103.6	0.5719668	0.5923315		3.6	20
Tetrachloroethene	A	100.0	109.6	0.8701998	0.954043		9.6	20
Toluene	A	100.0	102.2	1.375611	1.405454		2.2	20
1,2,3-Trichlorobenzene	A	100.0	106.7	0.5440305	0.5803843		6.7	20
1,2,4-Trichlorobenzene	A	100.0	106.6	0.5961321	0.6355069		6.6	20
1,1,2-Trichloroethane	A	100.0	106.0	0.5171309	0.5483674		6.0	20
1,1,1-Trichloroethane	A	100.0	97.85	0.3603392	0.3525935		-2.1	20
Trichloroethene	A	100.0	96.66	0.2622883	0.2535287		-3.3	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1154004
Lab File ID:	0606CCV1.D	Calibration Date:	06/01/11 09:44
Sequence:	1F15803	Injection Date:	06/06/11
Lab Sample ID:	1F15803-CCV1	Injection Time:	09:04

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	105.5	0.3850639	0.4064275		5.5	20
1,2,3-Trichloropropane	A	100.0	95.88	0.2241322	0.2149018		-4.1	20
1,3,5-Trimethylbenzene	A	100.0	104.5	1.248678	1.305344		4.5	20
1,2,4-Trimethylbenzene	A	100.0	101.5	1.300589	1.320106		1.5	20
Vinyl chloride	Q	100.0	82.75	0.2117578	0.1512092		-17.2	20
m,p-Xylene	A	200.0	192.7	1.835021	1.767697		-3.7	20
o-Xylene	A	100.0	102.3	1.946025	1.990352		2.3	20
Bromofluorobenzene	A	30.00	34.15	0.8735431	0.9942821		13.8	20
Dibromofluoromethane	A	30.00	30.04	0.2955689	0.2959303		0.1	20
1,2-Dichloroethane-d4	A	30.00	29.65	6.244071E-02	6.171901E-02		-1.2	20
Toluene-d8	A	30.00	35.67	2.130707	2.533574		18.9	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_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1154004
Lab File ID:	0607CCVE.D	Calibration Date:	06/01/11 09:44
Sequence:	1F15904	Injection Date:	06/07/11
Lab Sample ID:	1F15904-CCV1	Injection Time:	19:29

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	176.6	0.1244543	0.1098944		-11.7	20
Benzene	A	100.0	100.4	0.9176726	0.9216874		0.4	20
Bromobenzene	A	100.0	102.6	0.6951847	0.713412		2.6	20
Bromochloromethane	A	100.0	95.11	0.1464818	0.1393147		-4.9	20
Bromodichloromethane	A	100.0	97.79	0.330129	0.322836		-2.2	20
Bromoform	A	100.0	91.23	0.7652819	0.6981952	0.1	-8.8	20
Bromomethane	L	100.0	87.51	0.1650496	0.146857		-12.5	20
n-Butylbenzene	A	100.0	102.4	1.025619	1.050734		2.4	20
2-Butanone	A	200.0	181.7	0.1962157	0.1782712		-9.1	20
sec-Butylbenzene	A	100.0	101.4	1.384144	1.403047		1.4	20
tert-Butylbenzene	A	100.0	100.3	1.072274	1.075948		0.3	20
Carbon disulfide	A	100.0	102.4	0.8113669	0.8307566		2.4	20
Carbon tetrachloride	A	100.0	91.34	0.2952145	0.2696476		-8.7	20
Chlorobenzene	A	100.0	95.66	1.524087	1.457959	0.3	-4.3	20
Chloroethane	L	100.0	120.2	0.1598038	0.1693321		20.2	20 *
Chloroform	A	100.0	96.44	0.4584717	0.4421687		-3.6	20
Chloromethane	A	100.0	110.2	0.2954544	0.3257414	0.1	10.3	20
2-Chlorotoluene	A	100.0	96.57	1.210316	1.168777		-3.4	20
4-Chlorotoluene	A	100.0	100.9	1.365075	1.377531		0.9	20
Dibromochloromethane	A	100.0	97.77	0.69368	0.6782059		-2.2	20
1,2-Dibromo-3-chloropropane	A	100.0	92.01	0.1778495	0.1636338		-8.0	20
1,2-Dibromoethane (EDB)	A	100.0	97.98	0.7018341	0.6876355		-2.0	20
Dibromomethane	A	100.0	96.49	0.1975423	0.1906074		-3.5	20
1,2-Dichlorobenzene	A	100.0	103.1	0.967664	0.997367		3.1	20
1,3-Dichlorobenzene	A	100.0	99.66	0.9973838	0.9939712		-0.3	20
1,4-Dichlorobenzene	A	100.0	101.3	1.030471	1.043507		1.3	20
Dichlorodifluoromethane	A	100.0	114.6	0.2499782	0.286521		14.6	20
1,1-Dichloroethane	A	100.0	103.6	0.4740423	0.4909542	0.1	3.6	20
1,2-Dichloroethane	A	100.0	99.38	0.3479117	0.3457573		-0.6	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1154004
Lab File ID:	0607CCVE.D	Calibration Date:	06/01/11 09:44
Sequence:	1F15904	Injection Date:	06/07/11
Lab Sample ID:	1F15904-CCV1	Injection Time:	19:29

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	98.38	0.2334421	0.2296685		-1.6	20
cis-1,2-Dichloroethene	A	100.0	95.95	0.291982	0.2801535		-4.1	20
trans-1,2-Dichloroethene	L	100.0	104.6	0.2689807	0.2531762		4.6	20
1,2-Dichloropropane	A	100.0	103.8	0.2682235	0.2785686		3.9	20
1,3-Dichloropropane	A	100.0	104.6	0.9449868	0.9881668		4.6	20
2,2-Dichloropropane	L	100.0	96.04	0.3255918	0.2627327		-4.0	20
1,1-Dichloropropene	A	100.0	101.3	0.320132	0.3244188		1.3	20
cis-1,3-Dichloropropene	A	100.0	99.21	0.4021505	0.3989688		-0.8	20
trans-1,3-Dichloropropene	A	100.0	98.09	0.855397	0.8390413		-1.9	20
Ethylbenzene	A	100.0	98.24	2.457798	2.414572		-1.8	20
Hexachlorobutadiene	A	100.0	98.45	0.1327059	0.1306442		-1.6	20
2-Hexanone	A	200.0	198.7	0.6192198	0.6152531		-0.6	20
Isopropylbenzene	A	100.0	95.27	1.899263	1.809451		-4.7	20
p-Isopropyltoluene	A	100.0	101.1	1.023539	1.034757		1.1	20
Methylene chloride	A	100.0	102.6	0.2776048	0.2847069		2.6	20
Naphthalene	A	100.0	87.15	1.228446	1.070583		-12.9	20
4-Methyl-2-pentanone	A	200.0	185.3	0.3648294	0.3379602		-7.4	20
Methyl t-Butyl Ether	A	100.0	94.95	0.7191576	0.6828622		-5.0	20
n-Propylbenzene	A	100.0	104.2	1.809721	1.885401		4.2	20
Styrene	A	100.0	96.85	1.607915	1.55729		-3.1	20
1,1,2,2-Tetrachloroethane	A	100.0	98.11	0.6184807	0.6068054	0.3	-1.9	20
1,1,1,2-Tetrachloroethane	A	100.0	96.60	0.5719668	0.5525246		-3.4	20
Tetrachloroethene	A	100.0	95.15	0.8701998	0.8279894		-4.9	20
Toluene	A	100.0	98.16	1.375611	1.350265		-1.8	20
1,2,3-Trichlorobenzene	A	100.0	101.1	0.5440305	0.5500247		1.1	20
1,2,4-Trichlorobenzene	A	100.0	102.4	0.5961321	0.6105897		2.4	20
1,1,2-Trichloroethane	A	100.0	100.2	0.5171309	0.5183793		0.2	20
1,1,1-Trichloroethane	A	100.0	96.26	0.3603392	0.3468839		-3.7	20
Trichloroethene	A	100.0	96.98	0.2622883	0.2543755		-3.0	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1154004
Lab File ID:	0607CCVE.D	Calibration Date:	06/01/11 09:44
Sequence:	1F15904	Injection Date:	06/07/11
Lab Sample ID:	1F15904-CCV1	Injection Time:	19:29

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	91.83	0.3850639	0.3536199		-8.2	20
1,2,3-Trichloropropane	A	100.0	87.70	0.2241322	0.1965673		-12.3	20
1,3,5-Trimethylbenzene	A	100.0	100.4	1.248678	1.25331		0.4	20
1,2,4-Trimethylbenzene	A	100.0	101.4	1.300589	1.319531		1.5	20
Vinyl chloride	Q	100.0	80.17	0.2117578	0.1472765		-19.8	20
m,p-Xylene	A	200.0	187.1	1.835021	1.716928		-6.4	20
o-Xylene	A	100.0	96.44	1.946025	1.876668		-3.6	20
Bromofluorobenzene	A	30.00	32.83	0.8735431	0.9558789		9.4	20
Dibromofluoromethane	A	30.00	30.05	0.2955689	0.2960826		0.2	20
1,2-Dichloroethane-d4	A	30.00	30.42	6.244071E-02	6.331036E-02		1.4	20
Toluene-d8	A	30.00	33.79	2.130707	2.399997		12.6	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1154004
Lab File ID:	0607CCV1.D	Calibration Date:	06/01/11 09:44
Sequence:	1F15906	Injection Date:	06/07/11
Lab Sample ID:	1F15906-CCV1	Injection Time:	07:01

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	134.6	0.1244543	8.376554E-02		-32.7	20 *
Benzene	A	100.0	103.3	0.9176726	0.9479369		3.3	20
Bromobenzene	A	100.0	107.2	0.6951847	0.7453433		7.2	20
Bromochloromethane	A	100.0	95.65	0.1464818	0.1401076		-4.4	20
Bromodichloromethane	A	100.0	98.01	0.330129	0.3235712		-2.0	20
Bromoform	A	100.0	81.54	0.7652819	0.6239862	0.1	-18.5	20
Bromomethane	L	100.0	80.80	0.1650496	0.1354912		-19.2	20
n-Butylbenzene	A	100.0	120.7	1.025619	1.237583		20.7	20 *
2-Butanone	A	200.0	142.2	0.1962157	0.1395068		-28.9	20 *
sec-Butylbenzene	A	100.0	118.1	1.384144	1.634546		18.1	20
tert-Butylbenzene	A	100.0	114.4	1.072274	1.22641		14.4	20
Carbon disulfide	A	100.0	106.2	0.8113669	0.8621463		6.3	20
Carbon tetrachloride	A	100.0	93.56	0.2952145	0.2761892		-6.4	20
Chlorobenzene	A	100.0	101.0	1.524087	1.539513	0.3	1.0	20
Chloroethane	L	100.0	135.2	0.1598038	0.1903639		35.2	20 *
Chloroform	A	100.0	97.42	0.4584717	0.4466316		-2.6	20
Chloromethane	A	100.0	119.7	0.2954544	0.3538004	0.1	19.7	20
2-Chlorotoluene	A	100.0	112.0	1.210316	1.35572		12.0	20
4-Chlorotoluene	A	100.0	112.2	1.365075	1.531135		12.2	20
Dibromochloromethane	A	100.0	96.04	0.69368	0.6662197		-4.0	20
1,2-Dibromo-3-chloropropane	A	100.0	65.71	0.1778495	0.1168699		-34.3	20 *
1,2-Dibromoethane (EDB)	A	100.0	91.75	0.7018341	0.6439545		-8.2	20
Dibromomethane	A	100.0	87.48	0.1975423	0.172813		-12.5	20
1,2-Dichlorobenzene	A	100.0	105.1	0.967664	1.017451		5.1	20
1,3-Dichlorobenzene	A	100.0	108.4	0.9973838	1.081158		8.4	20
1,4-Dichlorobenzene	A	100.0	106.2	1.030471	1.094795		6.2	20
Dichlorodifluoromethane	A	100.0	119.8	0.2499782	0.2996081		19.9	20
1,1-Dichloroethane	A	100.0	105.8	0.4740423	0.5015186	0.1	5.8	20
1,2-Dichloroethane	A	100.0	96.48	0.3479117	0.3356526		-3.5	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1154004
Lab File ID:	0607CCV1.D	Calibration Date:	06/01/11 09:44
Sequence:	1F15906	Injection Date:	06/07/11
Lab Sample ID:	1F15906-CCV1	Injection Time:	07:01

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	98.67	0.2334421	0.2303389		-1.3	20
cis-1,2-Dichloroethene	A	100.0	98.88	0.291982	0.288714		-1.1	20
trans-1,2-Dichloroethene	L	100.0	108.9	0.2689807	0.2634257		8.9	20
1,2-Dichloropropane	A	100.0	104.4	0.2682235	0.2800885		4.4	20
1,3-Dichloropropane	A	100.0	103.8	0.9449868	0.9812808		3.8	20
2,2-Dichloropropane	L	100.0	129.5	0.3255918	0.3523995		29.5	20 *
1,1-Dichloropropene	A	100.0	104.6	0.320132	0.3350063		4.6	20
cis-1,3-Dichloropropene	A	100.0	98.84	0.4021505	0.3974887		-1.2	20
trans-1,3-Dichloropropene	A	100.0	103.8	0.855397	0.8879675		3.8	20
Ethylbenzene	A	100.0	106.4	2.457798	2.615458		6.4	20
Hexachlorobutadiene	A	100.0	112.8	0.1327059	0.1497642		12.9	20
2-Hexanone	A	200.0	153.6	0.6192198	0.4754687		-23.2	20 *
Isopropylbenzene	A	100.0	104.3	1.899263	1.980529		4.3	20
p-Isopropyltoluene	A	100.0	116.1	1.023539	1.188252		16.1	20
Methylene chloride	A	100.0	102.4	0.2776048	0.284271		2.4	20
Naphthalene	A	100.0	62.48	1.228446	0.7674934		-37.5	20 *
4-Methyl-2-pentanone	A	200.0	137.7	0.3648294	0.2512397		-31.1	20 *
Methyl t-Butyl Ether	A	100.0	83.64	0.7191576	0.6015039		-16.4	20
n-Propylbenzene	A	100.0	115.9	1.809721	2.097818		15.9	20
Styrene	A	100.0	102.6	1.607915	1.649985		2.6	20
1,1,2,2-Tetrachloroethane	A	100.0	84.78	0.6184807	0.524333	0.3	-15.2	20
1,1,1,2-Tetrachloroethane	A	100.0	98.25	0.5719668	0.5619404		-1.8	20
Tetrachloroethene	A	100.0	102.1	0.8701998	0.8882849		2.1	20
Toluene	A	100.0	105.9	1.375611	1.456403		5.9	20
1,2,3-Trichlorobenzene	A	100.0	81.86	0.5440305	0.4453727		-18.1	20
1,2,4-Trichlorobenzene	A	100.0	96.39	0.5961321	0.5746383		-3.6	20
1,1,2-Trichloroethane	A	100.0	98.05	0.5171309	0.5070679		-1.9	20
1,1,1-Trichloroethane	A	100.0	97.80	0.3603392	0.352414		-2.2	20
Trichloroethene	A	100.0	97.33	0.2622883	0.2552909		-2.7	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1154004
Lab File ID:	0607CCV1.D	Calibration Date:	06/01/11 09:44
Sequence:	1F15906	Injection Date:	06/07/11
Lab Sample ID:	1F15906-CCV1	Injection Time:	07:01

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	102.0	0.3850639	0.3927315		2.0	20
1,2,3-Trichloropropane	A	100.0	73.50	0.2241322	0.164745		-26.5	20 *
1,3,5-Trimethylbenzene	A	100.0	113.2	1.248678	1.414176		13.3	20
1,2,4-Trimethylbenzene	A	100.0	109.3	1.300589	1.421132		9.3	20
Vinyl chloride	Q	100.0	95.94	0.2117578	0.1707708		-4.1	20
m,p-Xylene	A	200.0	201.2	1.835021	1.846314		0.6	20
o-Xylene	A	100.0	102.7	1.946025	1.999037		2.7	20
Bromofluorobenzene	A	30.00	33.67	0.8735431	0.9804223		12.2	20
Dibromofluoromethane	A	30.00	29.38	0.2955689	0.2894811		-2.1	20
1,2-Dichloroethane-d4	A	30.00	29.43	6.244071E-02	6.125009E-02		-1.9	20
Toluene-d8	A	30.00	34.78	2.130707	2.470552		15.9	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_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1154004
Lab File ID:	0610CCV1.D	Calibration Date:	06/01/11 09:44
Sequence:	1F16201	Injection Date:	06/10/11
Lab Sample ID:	1F16201-CCV1	Injection Time:	07:09

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	151.2	0.1244543	9.408909E-02		-24.4	20 *
Benzene	A	100.0	100.2	0.9176726	0.9194037		0.2	20
Bromobenzene	A	100.0	96.58	0.6951847	0.6713809		-3.4	20
Bromochloromethane	A	100.0	91.28	0.1464818	0.1337131		-8.7	20
Bromodichloromethane	A	100.0	97.64	0.330129	0.3223289		-2.4	20
Bromoform	A	100.0	86.48	0.7652819	0.6618407	0.1	-13.5	20
Bromomethane	L	100.0	104.0	0.1650496	0.1747844		4.0	20
n-Butylbenzene	A	100.0	103.9	1.025619	1.065396		3.9	20
2-Butanone	A	200.0	156.2	0.1962157	0.1532067		-21.9	20 *
sec-Butylbenzene	A	100.0	98.55	1.384144	1.36413		-1.4	20
tert-Butylbenzene	A	100.0	100.1	1.072274	1.07318		0.08	20
Carbon disulfide	A	100.0	102.3	0.8113669	0.8303056		2.3	20
Carbon tetrachloride	A	100.0	87.26	0.2952145	0.2575984		-12.7	20
Chlorobenzene	A	100.0	97.16	1.524087	1.48077	0.3	-2.8	20
Chloroethane	L	100.0	127.3	0.1598038	0.1793392		27.3	20 *
Chloroform	A	100.0	91.97	0.4584717	0.421648		-8.0	20
Chloromethane	A	100.0	128.3	0.2954544	0.3789842	0.1	28.3	20 *
2-Chlorotoluene	A	100.0	98.84	1.210316	1.196274		-1.2	20
4-Chlorotoluene	A	100.0	98.14	1.365075	1.339632		-1.9	20
Dibromochloromethane	A	100.0	92.48	0.69368	0.6415366		-7.5	20
1,2-Dibromo-3-chloropropane	A	100.0	73.14	0.1778495	0.1300848		-26.9	20 *
1,2-Dibromoethane (EDB)	A	100.0	93.50	0.7018341	0.6561856		-6.5	20
Dibromomethane	A	100.0	91.52	0.1975423	0.1808022		-8.5	20
1,2-Dichlorobenzene	A	100.0	99.24	0.967664	0.9602775		-0.8	20
1,3-Dichlorobenzene	A	100.0	98.44	0.9973838	0.9818117		-1.6	20
1,4-Dichlorobenzene	A	100.0	96.42	1.030471	0.9935838		-3.6	20
Dichlorodifluoromethane	A	100.0	121.1	0.2499782	0.3028321		21.1	20 *
1,1-Dichloroethane	A	100.0	97.29	0.4740423	0.4612059	0.1	-2.7	20
1,2-Dichloroethane	A	100.0	94.59	0.3479117	0.3290787		-5.4	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1154004
Lab File ID:	0610CCV1.D	Calibration Date:	06/01/11 09:44
Sequence:	1F16201	Injection Date:	06/10/11
Lab Sample ID:	1F16201-CCV1	Injection Time:	07:09

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,1-Dichloroethene	A	100.0	91.55	0.2334421	0.213723		-8.4	20	
cis-1,2-Dichloroethene	A	100.0	91.93	0.291982	0.2684241		-8.1	20	
trans-1,2-Dichloroethene	L	100.0	101.1	0.2689807	0.2446376		1.1	20	
1,2-Dichloropropane	A	100.0	98.57	0.2682235	0.264394		-1.4	20	
1,3-Dichloropropane	A	100.0	98.91	0.9449868	0.9346537		-1.1	20	
2,2-Dichloropropane	L	100.0	116.0	0.3255918	0.3162842		16.0	20	
1,1-Dichloropropene	A	100.0	99.07	0.320132	0.3171481		-0.9	20	
cis-1,3-Dichloropropene	A	100.0	100.2	0.4021505	0.4029875		0.2	20	
trans-1,3-Dichloropropene	A	100.0	98.47	0.855397	0.8422905		-1.5	20	
Ethylbenzene	A	100.0	104.0	2.457798	2.557068		4.0	20	
Hexachlorobutadiene	A	100.0	91.98	0.1327059	0.1220646		-8.0	20	
2-Hexanone	A	200.0	168.0	0.6192198	0.5202434		-16.0	20	
Isopropylbenzene	A	100.0	99.35	1.899263	1.886964		-0.6	20	
p-Isopropyltoluene	A	100.0	99.64	1.023539	1.019906		-0.4	20	
Methylene chloride	A	100.0	100.9	0.2776048	0.2801004		0.9	20	
Naphthalene	A	100.0	72.94	1.228446	0.8960121		-27.1	20	*
4-Methyl-2-pentanone	A	200.0	162.0	0.3648294	0.2954754		-19.0	20	
Methyl t-Butyl Ether	A	100.0	84.33	0.7191576	0.60647		-15.7	20	
n-Propylbenzene	A	100.0	101.7	1.809721	1.84087		1.7	20	
Styrene	A	100.0	101.5	1.607915	1.631584		1.5	20	
1,1,2,2-Tetrachloroethane	A	100.0	88.17	0.6184807	0.5453106	0.3	-11.8	20	
1,1,1,2-Tetrachloroethane	A	100.0	97.82	0.5719668	0.5594962		-2.2	20	
Tetrachloroethene	A	100.0	94.02	0.8701998	0.8182085		-6.0	20	
Toluene	A	100.0	98.78	1.375611	1.358888		-1.2	20	
1,2,3-Trichlorobenzene	A	100.0	85.48	0.5440305	0.4650694		-14.5	20	
1,2,4-Trichlorobenzene	A	100.0	91.78	0.5961321	0.5471387		-8.2	20	
1,1,2-Trichloroethane	A	100.0	94.18	0.5171309	0.4870106		-5.8	20	
1,1,1-Trichloroethane	A	100.0	91.67	0.3603392	0.3303129		-8.3	20	
Trichloroethene	A	100.0	93.38	0.2622883	0.2449187		-6.6	20	

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	1154004
Lab File ID:	0610CCV1.D	Calibration Date:	06/01/11 09:44
Sequence:	1F16201	Injection Date:	06/10/11
Lab Sample ID:	1F16201-CCV1	Injection Time:	07:09

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	87.88	0.3850639	0.3383963		-12.1	20
1,2,3-Trichloropropane	A	100.0	79.76	0.2241322	0.1787585		-20.2	20 *
1,3,5-Trimethylbenzene	A	100.0	97.37	1.248678	1.215819		-2.6	20
1,2,4-Trimethylbenzene	A	100.0	98.67	1.300589	1.283296		-1.3	20
Vinyl chloride	Q	100.0	90.05	0.2117578	0.1621447		-10.0	20
m,p-Xylene	A	200.0	193.0	1.835021	1.77131		-3.5	20
o-Xylene	A	100.0	99.96	1.946025	1.945184		-0.04	20
Bromofluorobenzene	A	30.00	34.48	0.8735431	1.004034		14.9	20
Dibromofluoromethane	A	30.00	28.79	0.2955689	0.2836959		-4.0	20
1,2-Dichloroethane-d4	A	30.00	29.40	6.244071E-02	6.120146E-02		-2.0	20
Toluene-d8	A	30.00	34.53	2.130707	2.452618		15.1	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_015

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

Matrix: Laboratory ID: 1F06006-BLK1 File ID: 0606BLK1.D

Sampled: Prepared: Analyzed: 06/06/11 11:02

Solids: Preparation: 5030B Dilution:

Batch: 1F06006 Sequence: 1F15803 Calibration: 1154004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	Q, U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Q, Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	Q, U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	X, 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

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Matrix: Laboratory ID: 1F06006-BLK1 File ID: 0606BLK1.D

Sampled: Prepared: Analyzed: 06/06/11 11:02

Solids: Preparation: 5030B Dilution:

Batch: 1F06006 Sequence: 1F15803 Calibration: 1154004 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, U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	Q, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.44	105	75 - 120	
Dibromofluoromethane	30.00	28.78	95.9	85 - 115	
1,2-Dichloroethane-d4	30.00	29.42	98.1	70 - 120	
Toluene-d8	30.00	31.42	105	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Matrix: Laboratory ID: 1F06006-BS1 File ID: 0606LCS1.D

Sampled: Prepared: Analyzed: 06/06/11 09:44

Solids: Preparation: 5030B Dilution:

Batch: 1F06006 Sequence: 1F15803 Calibration: 1154004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	99.7	2.50	5.00	10.0	
71-43-2	Benzene	48.2	0.250	0.500	1.00	
108-86-1	Bromobenzene	50.9	0.250	0.500	1.00	
74-97-5	Bromochloromethane	49.3	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	51.1	0.250	0.500	1.00	
75-25-2	Bromoform	48.2	0.250	0.500	1.00	
74-83-9	Bromomethane	38.4	0.500	1.00	2.00	Y
104-51-8	n-Butylbenzene	52.1	0.250	0.500	1.00	
78-93-3	2-Butanone	107	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	51.9	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	51.2	0.250	0.500	1.00	
75-15-0	Carbon disulfide	50.2	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	46.4	0.250	0.500	1.00	
108-90-7	Chlorobenzene	50.3	0.250	0.500	1.00	
75-00-3	Chloroethane	54.3	0.500	1.00	2.00	
67-66-3	Chloroform	48.6	0.250	0.500	1.00	
74-87-3	Chloromethane	49.6	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	49.2	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	50.8	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	51.8	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)	51.4	0.250	0.500	1.00	
74-95-3	Dibromomethane	48.2	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	51.9	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	50.7	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	58.9	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	50.7	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	49.6	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	52.1	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	47.9	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	54.2	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	52.8	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	55.4	0.250	0.500	1.00	X
563-58-6	1,1-Dichloropropene	49.5	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	47.6	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	56.6	0.250	0.500	1.00	
100-41-4	Ethylbenzene	52.8	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	61.4	0.250	0.500	1.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Matrix: Laboratory ID: 1F06006-BS1 File ID: 0606LCS1.D

Sampled: Prepared: Analyzed: 06/06/11 09:44

Solids: Preparation: 5030B Dilution:

Batch: 1F06006 Sequence: 1F15803 Calibration: 1154004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	113	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	52.6	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	54.9	0.250	0.500	1.00	
75-09-2	Methylene chloride	49.7	0.500	1.00	2.00	
91-20-3	Naphthalene	47.8	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	102	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	47.2	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	52.0	0.250	0.500	1.00	
100-42-5	Styrene	50.1	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	48.3	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	50.1	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	50.6	0.250	0.500	1.00	
108-88-3	Toluene	51.2	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	53.1	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	52.0	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	50.4	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	47.2	0.250	0.500	1.00	
79-01-6	Trichloroethene	47.9	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	51.2	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	49.8	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	50.6	0.250	0.500	1.00	
75-01-4	Vinyl chloride	44.3	0.250	0.500	1.00	
108-38-3/106-42-	m,p-Xylene	99.2	0.500	1.00	2.00	
95-47-6	o-Xylene	49.4	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	32.77	109	75 - 120	
Dibromofluoromethane	30.00	30.60	102	85 - 115	
1,2-Dichloroethane-d4	30.00	30.20	101	70 - 120	
Toluene-d8	30.00	34.28	114	85 - 120	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Matrix: Laboratory ID: 1F06006-BSD1 File ID: 0606LD1.D

Sampled: Prepared: Analyzed: 06/06/11 18:34

Solids: Preparation: 5030B Dilution:

Batch: 1F06006 Sequence: 1F15803 Calibration: 1154004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	69.1	2.50	5.00	10.0	
71-43-2	Benzene	50.1	0.250	0.500	1.00	
108-86-1	Bromobenzene	51.8	0.250	0.500	1.00	
74-97-5	Bromochloromethane	49.3	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	52.1	0.250	0.500	1.00	
75-25-2	Bromoform	41.0	0.250	0.500	1.00	
74-83-9	Bromomethane	25.1	0.500	1.00	2.00	Y
104-51-8	n-Butylbenzene	54.9	0.250	0.500	1.00	
78-93-3	2-Butanone	73.4	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	54.4	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	52.5	0.250	0.500	1.00	
75-15-0	Carbon disulfide	50.6	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	43.3	0.250	0.500	1.00	
108-90-7	Chlorobenzene	48.2	0.250	0.500	1.00	
75-00-3	Chloroethane	59.0	0.500	1.00	2.00	
67-66-3	Chloroform	48.8	0.250	0.500	1.00	
74-87-3	Chloromethane	51.9	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	54.1	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	55.0	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	48.6	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	37.2	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	47.0	0.250	0.500	1.00	
74-95-3	Dibromomethane	46.9	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	51.4	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	51.3	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	57.8	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	52.1	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	50.5	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	49.5	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	47.7	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	53.0	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	51.7	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	53.2	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	53.5	0.250	0.500	1.00	X
563-58-6	1,1-Dichloropropene	50.9	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	49.4	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	56.0	0.250	0.500	1.00	
100-41-4	Ethylbenzene	51.7	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	50.2	0.250	0.500	1.00	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Matrix: Laboratory ID: 1F06006-BSD1 File ID: 0606LD1.D

Sampled: Prepared: Analyzed: 06/06/11 18:34

Solids: Preparation: 5030B Dilution:

Batch: 1F06006 Sequence: 1F15803 Calibration: 1154004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	79.6	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	51.2	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	56.8	0.250	0.500	1.00	
75-09-2	Methylene chloride	51.9	0.500	1.00	2.00	
91-20-3	Naphthalene	39.5	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	74.8	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	44.6	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	55.3	0.250	0.500	1.00	
100-42-5	Styrene	51.0	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	46.9	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	47.5	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	45.3	0.250	0.500	1.00	
108-88-3	Toluene	49.7	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	45.2	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	47.8	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	46.4	0.250	0.500	1.00	
79-01-6	Trichloroethene	47.2	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	47.3	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	39.6	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	52.0	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	48.3	0.250	0.500	1.00	
108-38-3/106-42-	m,p-Xylene	99.4	0.500	1.00	2.00	
95-47-6	o-Xylene	50.5	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	32.58	109	75 - 120	
Dibromofluoromethane	30.00	29.05	96.8	85 - 115	
1,2-Dichloroethane-d4	30.00	29.27	97.6	70 - 120	
Toluene-d8	30.00	32.81	109	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Matrix: Laboratory ID: 1F07002-BLK1 File ID: 0607BLK1.D

Sampled: Prepared: Analyzed: 06/07/11 08:58

Solids: Preparation: 5030B Dilution:

Batch: 1F07002 Sequence: 1F15906 Calibration: 1154004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	Y, 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	X, U
78-93-3	2-Butanone		2.50	5.00	10.0	Y, U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	X, U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	Y, 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	0.733	0.250	0.500	1.00	J

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Matrix: Laboratory ID: 1F07002-BLK1 File ID: 0607BLK1.D

Sampled: Prepared: Analyzed: 06/07/11 08:58

Solids: Preparation: 5030B Dilution:

Batch: 1F07002 Sequence: 1F15906 Calibration: 1154004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	Y, 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	Y, U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	Y, 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	Q, Y, 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	31.35	105	75 - 120	
Dibromofluoromethane	30.00	28.17	93.9	85 - 115	
1,2-Dichloroethane-d4	30.00	29.11	97.0	70 - 120	
Toluene-d8	30.00	32.16	107	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Matrix: Laboratory ID: 1F07002-BS1 File ID: 0607LCS1.D

Sampled: Prepared: Analyzed: 06/07/11 07:42

Solids: Preparation: 5030B Dilution:

Batch: 1F07002 Sequence: 1F15906 Calibration: 1154004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	74.4	2.50	5.00	10.0	Y
71-43-2	Benzene	51.0	0.250	0.500	1.00	
108-86-1	Bromobenzene	50.8	0.250	0.500	1.00	
74-97-5	Bromochloromethane	47.2	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	50.6	0.250	0.500	1.00	
75-25-2	Bromoform	37.4	0.250	0.500	1.00	
74-83-9	Bromomethane	41.6	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	58.4	0.250	0.500	1.00	X
78-93-3	2-Butanone	75.4	2.50	5.00	10.0	Y
135-98-8	sec-Butylbenzene	56.3	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	54.8	0.250	0.500	1.00	
75-15-0	Carbon disulfide	51.6	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	46.2	0.250	0.500	1.00	
108-90-7	Chlorobenzene	48.2	0.250	0.500	1.00	
75-00-3	Chloroethane	61.0	0.500	1.00	2.00	X
67-66-3	Chloroform	48.4	0.250	0.500	1.00	
74-87-3	Chloromethane	53.7	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	55.5	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	55.1	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	46.1	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	32.9	0.500	1.00	2.00	Y
106-93-4	1,2-Dibromoethane (EDB)	43.7	0.250	0.500	1.00	
74-95-3	Dibromomethane	44.5	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	50.2	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	51.8	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	50.6	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	66.5	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	51.8	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	47.0	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	47.7	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	54.1	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	47.9	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	61.7	0.250	0.500	1.00	X
563-58-6	1,1-Dichloropropene	52.5	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	54.7	0.250	0.500	1.00	
100-41-4	Ethylbenzene	51.7	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	63.8	0.250	0.500	1.00	B

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Matrix: Laboratory ID: 1F07002-BS1 File ID: 0607LCS1.D

Sampled: Prepared: Analyzed: 06/07/11 07:42

Solids: Preparation: 5030B Dilution:

Batch: 1F07002 Sequence: 1F15906 Calibration: 1154004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	82.2	1.25	2.50	5.00	Y
98-82-8	Isopropylbenzene	52.4	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	58.6	0.250	0.500	1.00	
75-09-2	Methylene chloride	50.0	0.500	1.00	2.00	
91-20-3	Naphthalene	37.3	0.250	0.500	1.00	Y
108-10-1	4-Methyl-2-pentanone	74.9	1.25	2.50	5.00	Y
1634-04-4	Methyl t-Butyl Ether	41.4	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	55.3	0.250	0.500	1.00	
100-42-5	Styrene	50.5	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	41.0	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	45.6	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	47.5	0.250	0.500	1.00	
108-88-3	Toluene	51.2	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	47.0	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	48.5	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	45.9	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	46.9	0.250	0.500	1.00	
79-01-6	Trichloroethene	48.1	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	47.9	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	35.5	0.500	1.00	2.00	Y
108-67-8	1,3,5-Trimethylbenzene	54.3	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	52.6	0.250	0.500	1.00	
75-01-4	Vinyl chloride	53.3	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	50.1	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	32.27	108	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	33.18	111	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Matrix: Laboratory ID: 1F07023-BLK1 File ID: 0607BLKE.D

Sampled: Prepared: Analyzed: 06/07/11 21:12

Solids: Preparation: 5030B Dilution:

Batch: 1F07023 Sequence: 1F15904 Calibration: 1154004 Instrument: MS-VOA4

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

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Matrix: Laboratory ID: 1F07023-BLK1 File ID: 0607BLKE.D

Sampled: Prepared: Analyzed: 06/07/11 21:12

Solids: Preparation: 5030B Dilution:

Batch: 1F07023 Sequence: 1F15904 Calibration: 1154004 Instrument: MS-VOA4

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.59	102	75 - 120	
Dibromofluoromethane	30.00	28.84	96.1	85 - 115	
1,2-Dichloroethane-d4	30.00	29.90	99.7	70 - 120	
Toluene-d8	30.00	31.16	104	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Matrix: Laboratory ID: 1F07023-BS1 File ID: 0607LCSE.D

Sampled: Prepared: Analyzed: 06/07/11 19:56

Solids: Preparation: 5030B Dilution:

Batch: 1F07023 Sequence: 1F15904 Calibration: 1154004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	84.1	2.50	5.00	10.0	
71-43-2	Benzene	50.2	0.250	0.500	1.00	
108-86-1	Bromobenzene	53.5	0.250	0.500	1.00	
74-97-5	Bromochloromethane	48.8	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	50.7	0.250	0.500	1.00	
75-25-2	Bromoform	44.7	0.250	0.500	1.00	
74-83-9	Bromomethane	42.2	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	54.3	0.250	0.500	1.00	
78-93-3	2-Butanone	87.3	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	53.9	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	51.6	0.250	0.500	1.00	
75-15-0	Carbon disulfide	50.2	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	44.8	0.250	0.500	1.00	
108-90-7	Chlorobenzene	49.1	0.250	0.500	1.00	
75-00-3	Chloroethane	57.9	0.500	1.00	2.00	X
67-66-3	Chloroform	47.6	0.250	0.500	1.00	
74-87-3	Chloromethane	52.2	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	49.1	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	45.4	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	49.0	0.250	0.500	1.00	
74-95-3	Dibromomethane	50.3	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	53.1	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	50.8	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	58.3	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	50.6	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	49.6	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	51.0	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	47.5	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	52.9	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	51.1	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	51.7	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	46.0	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	50.1	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	55.1	0.250	0.500	1.00	
100-41-4	Ethylbenzene	50.3	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	58.6	0.250	0.500	1.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Matrix: Laboratory ID: 1F07023-BS1 File ID: 0607LCSE.D

Sampled: Prepared: Analyzed: 06/07/11 19:56

Solids: Preparation: 5030B Dilution:

Batch: 1F07023 Sequence: 1F15904 Calibration: 1154004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	99.3	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	51.4	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	55.6	0.250	0.500	1.00	
75-09-2	Methylene chloride	50.4	0.500	1.00	2.00	
91-20-3	Naphthalene	46.4	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	89.9	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	46.0	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	54.0	0.250	0.500	1.00	
100-42-5	Styrene	50.2	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	52.2	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	47.1	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	46.4	0.250	0.500	1.00	
108-88-3	Toluene	49.9	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	51.3	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	51.2	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	50.8	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	46.0	0.250	0.500	1.00	
79-01-6	Trichloroethene	47.6	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	44.3	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	45.3	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	52.6	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	51.7	0.250	0.500	1.00	
75-01-4	Vinyl chloride	41.9	0.250	0.500	1.00	
108-38-3/106-42-	m,p-Xylene	99.6	0.500	1.00	2.00	
95-47-6	o-Xylene	49.7	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	32.61	109	75 - 120	
Dibromofluoromethane	30.00	28.95	96.5	85 - 115	
1,2-Dichloroethane-d4	30.00	28.84	96.1	70 - 120	
Toluene-d8	30.00	32.89	110	85 - 120	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Matrix: Laboratory ID: 1F07023-BSD1 File ID: 0607LDE.D

Sampled: Prepared: Analyzed: 06/08/11 00:42

Solids: Preparation: 5030B Dilution:

Batch: 1F07023 Sequence: 1F15904 Calibration: 1154004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	81.1	2.50	5.00	10.0	
71-43-2	Benzene	51.4	0.250	0.500	1.00	
108-86-1	Bromobenzene	52.3	0.250	0.500	1.00	
74-97-5	Bromochloromethane	48.5	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	51.7	0.250	0.500	1.00	
75-25-2	Bromoform	40.6	0.250	0.500	1.00	
74-83-9	Bromomethane	42.8	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	52.9	0.250	0.500	1.00	
78-93-3	2-Butanone	85.0	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	52.1	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	52.4	0.250	0.500	1.00	
75-15-0	Carbon disulfide	51.1	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	43.7	0.250	0.500	1.00	
108-90-7	Chlorobenzene	47.6	0.250	0.500	1.00	
75-00-3	Chloroethane	59.9	0.500	1.00	2.00	X
67-66-3	Chloroform	49.3	0.250	0.500	1.00	
74-87-3	Chloromethane	59.4	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	54.7	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	55.5	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	47.7	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	41.5	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	47.1	0.250	0.500	1.00	
74-95-3	Dibromomethane	48.0	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	52.4	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	50.0	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	50.1	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	58.7	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	49.6	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	50.3	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	48.4	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	53.5	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	52.5	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	52.7	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	41.0	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	49.8	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	48.0	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	54.3	0.250	0.500	1.00	
100-41-4	Ethylbenzene	49.8	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	50.7	0.250	0.500	1.00	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Matrix: Laboratory ID: 1F07023-BSD1 File ID: 0607LDE.D

Sampled: Prepared: Analyzed: 06/08/11 00:42

Solids: Preparation: 5030B Dilution:

Batch: 1F07023 Sequence: 1F15904 Calibration: 1154004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	92.4	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	48.9	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	55.0	0.250	0.500	1.00	
75-09-2	Methylene chloride	51.8	0.500	1.00	2.00	
91-20-3	Naphthalene	44.4	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	87.0	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	46.8	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	53.9	0.250	0.500	1.00	
100-42-5	Styrene	49.1	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	50.7	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	45.9	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	43.4	0.250	0.500	1.00	
108-88-3	Toluene	50.1	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	48.8	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	50.1	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	50.2	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	45.1	0.250	0.500	1.00	
79-01-6	Trichloroethene	47.1	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	44.8	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	41.3	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	52.3	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	52.3	0.250	0.500	1.00	
75-01-4	Vinyl chloride	42.0	0.250	0.500	1.00	
108-38-3/106-42-	m,p-Xylene	95.1	0.500	1.00	2.00	
95-47-6	o-Xylene	48.9	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.40	105	75 - 120	
Dibromofluoromethane	30.00	29.40	98.0	85 - 115	
1,2-Dichloroethane-d4	30.00	30.10	100	70 - 120	
Toluene-d8	30.00	32.46	108	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Matrix: Laboratory ID: 1F10001-BLK1 File ID: 0610BLK1.D

Sampled: Prepared: Analyzed: 06/10/11 09:12

Solids: Preparation: 5030B Dilution:

Batch: 1F10001 Sequence: 1F16201 Calibration: 1154004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	Y, 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	Y, U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	X, U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	Q, X, 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	Y, 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	X, 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_015

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

Matrix: Laboratory ID: 1F10001-BLK1 File ID: 0610BLK1.D

Sampled: Prepared: Analyzed: 06/10/11 09:12

Solids: Preparation: 5030B Dilution:

Batch: 1F10001 Sequence: 1F16201 Calibration: 1154004 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	Y, 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	Y, 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	30.40	101	75 - 120	
Dibromofluoromethane	30.00	28.55	95.2	85 - 115	
1,2-Dichloroethane-d4	30.00	29.82	99.4	70 - 120	
Toluene-d8	30.00	32.24	107	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Matrix: Laboratory ID: 1F10001-BS1 File ID: 0610LCS1.D

Sampled: Prepared: Analyzed: 06/10/11 07:56

Solids: Preparation: 5030B Dilution:

Batch: 1F10001 Sequence: 1F16201 Calibration: 1154004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	79.8	2.50	5.00	10.0	Y
71-43-2	Benzene	53.6	0.250	0.500	1.00	
108-86-1	Bromobenzene	52.6	0.250	0.500	1.00	
74-97-5	Bromochloromethane	50.2	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	52.3	0.250	0.500	1.00	
75-25-2	Bromoform	41.7	0.250	0.500	1.00	
74-83-9	Bromomethane	57.0	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	56.9	0.250	0.500	1.00	
78-93-3	2-Butanone	80.7	2.50	5.00	10.0	Y
135-98-8	sec-Butylbenzene	55.7	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	54.4	0.250	0.500	1.00	
75-15-0	Carbon disulfide	53.4	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	47.5	0.250	0.500	1.00	
108-90-7	Chlorobenzene	52.2	0.250	0.500	1.00	
75-00-3	Chloroethane	63.2	0.500	1.00	2.00	X
67-66-3	Chloroform	50.5	0.250	0.500	1.00	
74-87-3	Chloromethane	65.1	0.250	0.500	1.00	X
95-49-8	2-Chlorotoluene	55.2	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	56.2	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	50.2	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	38.9	0.500	1.00	2.00	Y
106-93-4	1,2-Dibromoethane (EDB)	47.9	0.250	0.500	1.00	
74-95-3	Dibromomethane	48.4	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	53.1	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	53.8	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	52.1	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	65.1	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	55.1	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	50.8	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	53.7	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	49.4	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	56.2	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	51.6	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	53.1	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	60.3	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	53.4	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	51.0	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	58.7	0.250	0.500	1.00	
100-41-4	Ethylbenzene	53.6	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	59.4	0.250	0.500	1.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Matrix: Laboratory ID: 1F10001-BS1 File ID: 0610LCS1.D

Sampled: Prepared: Analyzed: 06/10/11 07:56

Solids: Preparation: 5030B Dilution:

Batch: 1F10001 Sequence: 1F16201 Calibration: 1154004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	90.9	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	54.2	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	57.5	0.250	0.500	1.00	
75-09-2	Methylene chloride	52.7	0.500	1.00	2.00	
91-20-3	Naphthalene	41.7	0.250	0.500	1.00	Y
108-10-1	4-Methyl-2-pentanone	81.7	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	43.8	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	56.9	0.250	0.500	1.00	
100-42-5	Styrene	52.6	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	45.9	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	50.5	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	50.7	0.250	0.500	1.00	
108-88-3	Toluene	54.9	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	50.4	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	51.1	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	51.4	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	48.6	0.250	0.500	1.00	
79-01-6	Trichloroethene	50.9	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	48.5	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	40.0	0.500	1.00	2.00	Y
108-67-8	1,3,5-Trimethylbenzene	52.9	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	55.0	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	105	0.500	1.00	2.00	
95-47-6	o-Xylene	52.7	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	32.96	110	75 - 120	
Dibromofluoromethane	30.00	30.12	100	85 - 115	
1,2-Dichloroethane-d4	30.00	29.51	98.4	70 - 120	
Toluene-d8	30.00	33.96	113	85 - 120	

HOLDING TIME SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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
GW0100	05/31/11 14:15	06/01/11 09:00	06/07/11 00:00	N/A	14.00	06/07/11 12:55	6.90	14.00	
GW0101	05/31/11 11:09	06/01/11 09:00	06/07/11 00:00	N/A	14.00	06/07/11 13:21	7.05	14.00	
GW8052-TB	05/31/11 08:00	06/01/11 09:00	06/06/11 00:00	N/A	14.00	06/06/11 13:18	6.22	14.00	
GW0103	06/01/11 15:55	06/02/11 09:00	06/06/11 00:00	N/A	14.00	06/06/11 14:37	4.90	14.00	
GW0104	06/01/11 12:22	06/02/11 09:00	06/06/11 00:00	N/A	14.00	06/06/11 15:03	5.07	14.00	
GW8053-TB	06/01/11 08:00	06/02/11 09:00	06/06/11 00:00	N/A	14.00	06/06/11 13:44	5.20	14.00	
GW0089	06/02/11 14:57	06/03/11 09:00	06/07/11 00:00	N/A	14.00	06/07/11 23:23	5.31	14.00	
GW0111	06/02/11 08:36	06/03/11 09:00	06/07/11 00:00	N/A	14.00	06/07/11 23:49	5.59	14.00	
GW8054-TB	06/02/11 08:00	06/03/11 09:00	06/07/11 00:00	N/A	14.00	06/07/11 21:38	5.53	14.00	
GW0090	06/03/11 11:16	06/04/11 11:00	06/10/11 00:00	N/A	14.00	06/10/11 12:43	7.02	14.00	
GW0114	06/03/11 14:42	06/04/11 11:00	06/10/11 00:00	N/A	14.00	06/10/11 13:09	6.89	14.00	
GW8055-TB	06/03/11 08:00	06/04/11 11:00	06/10/11 00:00	N/A	14.00	06/10/11 10:05	7.05	14.00	

Data for SW8270C Forms

ANALYSIS DATA SHEET

GW0100

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106002-01	File ID:	0600201.D
Sampled:	05/31/11 14:15	Prepared:	06/02/11 10:28	Analyzed:	06/06/11 21:08
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1F01024 Sequence: 1F15917 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	Q, 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	10.7	1.17	2.34	4.67	
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	Q, 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	Q, X, 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	Q, U
85-68-7	Butylbenzylphthalate		1.17	2.34	4.67	Q, U
105-60-2	Caprolactam		1.17	2.34	4.67	Q, 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	X, 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	Q, Y, 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	Y, U
91-58-7	2-Chloronaphthalene		1.17	2.34	4.67	Q, 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	Q, X, U
218-01-9	Chrysene		1.17	2.34	4.67	Q, 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	Q, U
84-74-2	Di-n-butylphthalate		1.17	2.34	4.67	Q, U
120-83-2	2,4-Dichlorophenol		1.17	2.34	4.67	U
84-66-2	Diethylphthalate		1.17	2.34	4.67	Q, X, U
105-67-9	2,4-Dimethylphenol	4.98	4.67	9.35	18.7	J
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	Q, U
606-20-2	2,6-Dinitrotoluene		1.17	2.34	4.67	Q, U
117-84-0	Di-n-octylphthalate		1.17	2.34	4.67	X, U

ANALYSIS DATA SHEET

GW0100

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106002-01	File ID:	0600201.D
Sampled:	05/31/11 14:15	Prepared:	06/02/11 10:28	Analyzed:	06/06/11 21:08
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1F01024 Sequence: 1F15917 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	Q, 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	Q, U
87-68-3	Hexachlorobutadiene		1.17	2.34	4.67	X, U
77-47-4	Hexachlorocyclopentadiene		1.17	2.34	4.67	X, U
67-72-1	Hexachloroethane		1.17	2.34	4.67	X, 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	2.72	1.17	2.34	4.67	J
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	X, U
98-95-3	Nitrobenzene		1.17	2.34	4.67	U
100-02-7	4-Nitrophenol		4.67	9.35	18.7	X, 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	U
87-86-5	Pentachlorophenol		4.67	9.35	18.7	U
85-01-8	Phenanthrene		1.17	2.34	4.67	Q, 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	X, U
95-95-4	2,4,5-Trichlorophenol		1.17	2.34	4.67	X, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.73	44.27	94.7	50 - 110	
2-Fluorophenol	93.46	35.22	37.7	20 - 110	
Nitrobenzene-d5	46.73	41.40	88.6	40 - 110	
Phenol-d6	93.46	11.65	12.5	10 - 110	
Terphenyl-d14	46.73	56.65	121	50 - 135	
2,4,6-Tribromophenol	93.46	126.0	135	40 - 125	*

ANALYSIS DATA SHEET

GW0101

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106002-03	File ID:	0600203.D
Sampled:	05/31/11 11:09	Prepared:	06/02/11 10:28	Analyzed:	06/06/11 21:37
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1F01024 Sequence: 1F15917 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	Q, 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	1.98	1.17	2.34	4.67	J
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	Q, 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	Q, X, 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	Q, U
85-68-7	Butylbenzylphthalate		1.17	2.34	4.67	Q, U
105-60-2	Caprolactam		1.17	2.34	4.67	Q, 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	X, 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	Q, Y, 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	Y, U
91-58-7	2-Chloronaphthalene		1.17	2.34	4.67	Q, 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	Q, X, U
218-01-9	Chrysene		1.17	2.34	4.67	Q, 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	Q, U
84-74-2	Di-n-butylphthalate		1.17	2.34	4.67	Q, U
120-83-2	2,4-Dichlorophenol		1.17	2.34	4.67	U
84-66-2	Diethylphthalate		1.17	2.34	4.67	Q, X, 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	Q, U
606-20-2	2,6-Dinitrotoluene		1.17	2.34	4.67	Q, U
117-84-0	Di-n-octylphthalate		1.17	2.34	4.67	X, U

ANALYSIS DATA SHEET

GW0101

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106002-03	File ID:	0600203.D
Sampled:	05/31/11 11:09	Prepared:	06/02/11 10:28	Analyzed:	06/06/11 21:37
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1F01024 Sequence: 1F15917 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	Q, 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	Q, U
87-68-3	Hexachlorobutadiene		1.17	2.34	4.67	X, U
77-47-4	Hexachlorocyclopentadiene		1.17	2.34	4.67	X, U
67-72-1	Hexachloroethane		1.17	2.34	4.67	X, 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	X, U
98-95-3	Nitrobenzene		1.17	2.34	4.67	U
100-02-7	4-Nitrophenol		4.67	9.35	18.7	X, 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	U
87-86-5	Pentachlorophenol		4.67	9.35	18.7	U
85-01-8	Phenanthrene		1.17	2.34	4.67	Q, 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	X, U
95-95-4	2,4,5-Trichlorophenol		1.17	2.34	4.67	X, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.73	40.08	85.8	50 - 110	
2-Fluorophenol	93.46	41.15	44.0	20 - 110	
Nitrobenzene-d5	46.73	42.79	91.6	40 - 110	
Phenol-d6	93.46	19.49	20.9	10 - 110	
Terphenyl-d14	46.73	62.43	134	50 - 135	
2,4,6-Tribromophenol	93.46	117.7	126	40 - 125	*

ANALYSIS DATA SHEET

GW0103

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106013-01	File ID:	0601301.D
Sampled:	06/01/11 15:55	Prepared:	06/06/11 15:40	Analyzed:	06/19/11 03:37
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1F06016 Sequence: 1F17103 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.20	2.39	4.78	U
208-96-8	Acenaphthylene		1.20	2.39	4.78	U
98-86-2	Acetophenone		1.20	2.39	4.78	U
120-12-7	Anthracene		1.20	2.39	4.78	U
1912-24-9	Atrazine		1.20	2.39	4.78	U
100-52-7	Benzaldehyde		1.20	2.39	4.78	Y, U
92-87-5	Benzidine		12.0	23.9	47.8	U
56-55-3	Benzo(a)anthracene		1.20	2.39	4.78	U
50-32-8	Benzo(a)pyrene		1.20	2.39	4.78	U
205-99-2	Benzo(b)fluoranthene		1.20	2.39	4.78	X, U
191-24-2	Benzo(g,h,i)perylene		1.20	2.39	4.78	U
65-85-0	Benzoic acid		12.0	23.9	47.8	U
207-08-9	Benzo(k)fluoranthene		1.20	2.39	4.78	U
92-52-4	1,1-Biphenyl		1.20	2.39	4.78	U
101-55-3	4-Bromophenyl-phenylether		1.20	2.39	4.78	U
85-68-7	Butylbenzylphthalate		1.20	2.39	4.78	U
105-60-2	Caprolactam		1.20	2.39	4.78	Q, U
86-74-8	Carbazole		1.20	2.39	4.78	U
59-50-7	4-Chloro-3-methylphenol		1.20	2.39	4.78	U
106-47-8	4-Chloroaniline		1.20	2.39	4.78	U
111-91-1	Bis(2-chloroethoxy)methane		1.20	2.39	4.78	U
111-44-4	Bis(2-chloroethyl)ether		1.20	2.39	4.78	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.20	2.39	4.78	U
91-58-7	2-Chloronaphthalene		1.20	2.39	4.78	U
95-57-8	2-Chlorophenol		1.20	2.39	4.78	U
7005-72-3	4-Chlorophenyl phenyl ether		1.20	2.39	4.78	U
218-01-9	Chrysene		1.20	2.39	4.78	U
53-70-3	Dibenz(a,h)anthracene		1.20	2.39	4.78	U
132-64-9	Dibenzofuran		1.20	2.39	4.78	U
84-74-2	Di-n-butylphthalate		1.20	2.39	4.78	U
91-94-1	3,3'-Dichlorobenzidine		1.20	2.39	4.78	X, U
120-83-2	2,4-Dichlorophenol		1.20	2.39	4.78	U
84-66-2	Diethylphthalate	5.28	1.20	2.39	4.78	B
105-67-9	2,4-Dimethylphenol		4.78	9.56	19.1	U
131-11-3	Dimethyl phthalate		1.20	2.39	4.78	U
534-52-1	4,6-Dinitro-2-methylphenol		4.78	9.56	19.1	U
51-28-5	2,4-Dinitrophenol		12.0	23.9	47.8	X, U
121-14-2	2,4-Dinitrotoluene		1.20	2.39	4.78	U
606-20-2	2,6-Dinitrotoluene		1.20	2.39	4.78	U
117-84-0	Di-n-octylphthalate		1.20	2.39	4.78	U

ANALYSIS DATA SHEET

GW0103

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106013-01	File ID:	0601301.D
Sampled:	06/01/11 15:55	Prepared:	06/06/11 15:40	Analyzed:	06/19/11 03:37
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1F06016 Sequence: 1F17103 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.20	2.39	4.78	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.20	2.39	4.78	U
206-44-0	Fluoranthene		1.20	2.39	4.78	U
86-73-7	Fluorene		1.20	2.39	4.78	U
118-74-1	Hexachlorobenzene		1.20	2.39	4.78	U
87-68-3	Hexachlorobutadiene		1.20	2.39	4.78	U
77-47-4	Hexachlorocyclopentadiene		1.20	2.39	4.78	U
67-72-1	Hexachloroethane		1.20	2.39	4.78	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.20	2.39	4.78	U
78-59-1	Isophorone		1.20	2.39	4.78	U
90-12-0	1-Methylnaphthalene		1.20	2.39	4.78	U
91-57-6	2-Methylnaphthalene		1.20	2.39	4.78	U
95-48-7	2-Methylphenol		1.20	2.39	4.78	U
65794-96-9	3+4-Methylphenol		1.20	2.39	4.78	U
100-01-6	4-Nitroaniline		4.78	9.56	19.1	U
99-09-2	3-Nitroaniline		4.78	9.56	19.1	U
88-74-4	2-Nitroaniline		4.78	9.56	19.1	X, U
98-95-3	Nitrobenzene		1.20	2.39	4.78	U
100-02-7	4-Nitrophenol		4.78	9.56	19.1	U
88-75-5	2-Nitrophenol		1.20	2.39	4.78	U
86-30-6	N-Nitrosodiphenylamine		1.20	2.39	4.78	Q, U
621-64-7	N-Nitroso-di-n-propylamine		1.20	2.39	4.78	U
87-86-5	Pentachlorophenol		4.78	9.56	19.1	U
85-01-8	Phenanthrene		1.20	2.39	4.78	U
108-95-2	Phenol		1.20	2.39	4.78	U
129-00-0	Pyrene		1.20	2.39	4.78	U
88-06-2	2,4,6-Trichlorophenol		1.20	2.39	4.78	U
95-95-4	2,4,5-Trichlorophenol		1.20	2.39	4.78	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.80	41.03	85.8	50 - 110	
2-Fluorophenol	95.60	31.16	32.6	20 - 110	
Nitrobenzene-d5	47.80	41.38	86.6	40 - 110	
Phenol-d6	95.60	18.25	19.1	10 - 110	
Terphenyl-d14	47.80	50.62	106	50 - 135	
2,4,6-Tribromophenol	95.60	95.27	99.7	40 - 125	

ANALYSIS DATA SHEET

GW0104

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106013-03	File ID:	0601303.D
Sampled:	06/01/11 12:22	Prepared:	06/06/11 15:40	Analyzed:	06/19/11 04:12
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1F06016 Sequence: 1F17103 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.16	2.31	4.63	U
208-96-8	Acenaphthylene		1.16	2.31	4.63	U
98-86-2	Acetophenone		1.16	2.31	4.63	U
120-12-7	Anthracene		1.16	2.31	4.63	U
1912-24-9	Atrazine		1.16	2.31	4.63	U
100-52-7	Benzaldehyde		1.16	2.31	4.63	Y, U
92-87-5	Benzidine		11.6	23.1	46.3	U
56-55-3	Benzo(a)anthracene		1.16	2.31	4.63	U
50-32-8	Benzo(a)pyrene		1.16	2.31	4.63	U
205-99-2	Benzo(b)fluoranthene		1.16	2.31	4.63	X, U
191-24-2	Benzo(g,h,i)perylene		1.16	2.31	4.63	U
65-85-0	Benzoic acid		11.6	23.1	46.3	U
207-08-9	Benzo(k)fluoranthene		1.16	2.31	4.63	U
92-52-4	1,1-Biphenyl		1.16	2.31	4.63	U
101-55-3	4-Bromophenyl-phenylether		1.16	2.31	4.63	U
85-68-7	Butylbenzylphthalate		1.16	2.31	4.63	U
105-60-2	Caprolactam		1.16	2.31	4.63	Q, U
86-74-8	Carbazole		1.16	2.31	4.63	U
59-50-7	4-Chloro-3-methylphenol		1.16	2.31	4.63	U
106-47-8	4-Chloroaniline		1.16	2.31	4.63	U
111-91-1	Bis(2-chloroethoxy)methane		1.16	2.31	4.63	U
111-44-4	Bis(2-chloroethyl)ether		1.16	2.31	4.63	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.16	2.31	4.63	U
91-58-7	2-Chloronaphthalene		1.16	2.31	4.63	U
95-57-8	2-Chlorophenol		1.16	2.31	4.63	U
7005-72-3	4-Chlorophenyl phenyl ether		1.16	2.31	4.63	U
218-01-9	Chrysene		1.16	2.31	4.63	U
53-70-3	Dibenz(a,h)anthracene		1.16	2.31	4.63	U
132-64-9	Dibenzofuran		1.16	2.31	4.63	U
84-74-2	Di-n-butylphthalate		1.16	2.31	4.63	U
91-94-1	3,3'-Dichlorobenzidine		1.16	2.31	4.63	X, U
120-83-2	2,4-Dichlorophenol		1.16	2.31	4.63	U
84-66-2	Diethylphthalate	4.79	1.16	2.31	4.63	B
105-67-9	2,4-Dimethylphenol		4.63	9.26	18.5	U
131-11-3	Dimethyl phthalate		1.16	2.31	4.63	U
534-52-1	4,6-Dinitro-2-methylphenol		4.63	9.26	18.5	U
51-28-5	2,4-Dinitrophenol		11.6	23.1	46.3	X, U
121-14-2	2,4-Dinitrotoluene		1.16	2.31	4.63	U
606-20-2	2,6-Dinitrotoluene		1.16	2.31	4.63	U
117-84-0	Di-n-octylphthalate		1.16	2.31	4.63	U

ANALYSIS DATA SHEET

GW0104

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106013-03	File ID:	0601303.D
Sampled:	06/01/11 12:22	Prepared:	06/06/11 15:40	Analyzed:	06/19/11 04:12
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1F06016 Sequence: 1F17103 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.16	2.31	4.63	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.65	1.16	2.31	4.63	J
206-44-0	Fluoranthene		1.16	2.31	4.63	U
86-73-7	Fluorene		1.16	2.31	4.63	U
118-74-1	Hexachlorobenzene		1.16	2.31	4.63	U
87-68-3	Hexachlorobutadiene		1.16	2.31	4.63	U
77-47-4	Hexachlorocyclopentadiene		1.16	2.31	4.63	U
67-72-1	Hexachloroethane		1.16	2.31	4.63	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.16	2.31	4.63	U
78-59-1	Isophorone		1.16	2.31	4.63	U
90-12-0	1-Methylnaphthalene		1.16	2.31	4.63	U
91-57-6	2-Methylnaphthalene		1.16	2.31	4.63	U
95-48-7	2-Methylphenol		1.16	2.31	4.63	U
65794-96-9	3+4-Methylphenol		1.16	2.31	4.63	U
100-01-6	4-Nitroaniline		4.63	9.26	18.5	U
99-09-2	3-Nitroaniline		4.63	9.26	18.5	U
88-74-4	2-Nitroaniline		4.63	9.26	18.5	X, U
98-95-3	Nitrobenzene		1.16	2.31	4.63	U
100-02-7	4-Nitrophenol		4.63	9.26	18.5	U
88-75-5	2-Nitrophenol		1.16	2.31	4.63	U
86-30-6	N-Nitrosodiphenylamine		1.16	2.31	4.63	Q, U
621-64-7	N-Nitroso-di-n-propylamine		1.16	2.31	4.63	U
87-86-5	Pentachlorophenol		4.63	9.26	18.5	U
85-01-8	Phenanthrene		1.16	2.31	4.63	U
108-95-2	Phenol		1.16	2.31	4.63	U
129-00-0	Pyrene		1.16	2.31	4.63	U
88-06-2	2,4,6-Trichlorophenol		1.16	2.31	4.63	U
95-95-4	2,4,5-Trichlorophenol		1.16	2.31	4.63	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.30	36.02	77.8	50 - 110	
2-Fluorophenol	92.59	27.33	29.5	20 - 110	
Nitrobenzene-d5	46.30	37.03	80.0	40 - 110	
Phenol-d6	92.59	14.27	15.4	10 - 110	
Terphenyl-d14	46.30	49.15	106	50 - 135	
2,4,6-Tribromophenol	92.59	87.57	94.6	40 - 125	

ANALYSIS DATA SHEET

GW0089

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106026-01	File ID:	0602601.D
Sampled:	06/02/11 14:57	Prepared:	06/06/11 15:40	Analyzed:	06/21/11 00:41
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1F06016 Sequence: 1F17207 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	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	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	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
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	X, U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate	4.64	1.18	2.36	4.72	J, B
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	X, U

ANALYSIS DATA SHEET

GW0089

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106026-01	File ID:	0602601.D
Sampled:	06/02/11 14:57	Prepared:	06/06/11 15:40	Analyzed:	06/21/11 00:41
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1F06016 Sequence: 1F17207 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	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	X, 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	X, U
98-95-3	Nitrobenzene		1.18	2.36	4.72	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	X, U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	U
86-30-6	N-Nitrosodiphenylamine		1.18	2.36	4.72	Q, 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	36.66	77.7	50 - 110	
2-Fluorophenol	94.34	29.49	31.3	20 - 110	
Nitrobenzene-d5	47.17	40.12	85.0	40 - 110	
Phenol-d6	94.34	16.94	18.0	10 - 110	
Terphenyl-d14	47.17	54.59	116	50 - 135	
2,4,6-Tribromophenol	94.34	96.88	103	40 - 125	

ANALYSIS DATA SHEET

GW0111

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106026-03	File ID:	0602603.D
Sampled:	06/02/11 08:36	Prepared:	06/06/11 15:40	Analyzed:	06/21/11 01:18
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1F06016 Sequence: 1F17207 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
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	X, 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	Q, 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
91-94-1	3,3'-Dichlorobenzidine		1.17	2.34	4.67	X, 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	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	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

GW0111

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106026-03	File ID:	0602603.D
Sampled:	06/02/11 08:36	Prepared:	06/06/11 15:40	Analyzed:	06/21/11 01:18
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1F06016 Sequence: 1F17207 Calibration: 1122001 Instrument: MS-BNA3

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	X, 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	U
99-09-2	3-Nitroaniline		4.67	9.35	18.7	U
88-74-4	2-Nitroaniline		4.67	9.35	18.7	X, U
98-95-3	Nitrobenzene		1.17	2.34	4.67	U
100-02-7	4-Nitrophenol		4.67	9.35	18.7	X, U
88-75-5	2-Nitrophenol		1.17	2.34	4.67	U
86-30-6	N-Nitrosodiphenylamine		1.17	2.34	4.67	Q, U
621-64-7	N-Nitroso-di-n-propylamine		1.17	2.34	4.67	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	31.02	66.4	50 - 110	
2-Fluorophenol	93.46	26.86	28.7	20 - 110	
Nitrobenzene-d5	46.73	34.89	74.7	40 - 110	
Phenol-d6	93.46	15.26	16.3	10 - 110	
Terphenyl-d14	46.73	53.46	114	50 - 135	
2,4,6-Tribromophenol	93.46	94.11	101	40 - 125	

ANALYSIS DATA SHEET

GW0090

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106048-01	File ID:	0604801.D
Sampled:	06/03/11 11:16	Prepared:	06/08/11 15:25	Analyzed:	06/20/11 20:31
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1F08012 Sequence: 1F17207 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
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	X, 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	Q, U
105-60-2	Caprolactam		1.20	2.40	4.81	Q, U
86-74-8	Carbazole		1.20	2.40	4.81	U
59-50-7	4-Chloro-3-methylphenol		1.20	2.40	4.81	U
106-47-8	4-Chloroaniline		1.20	2.40	4.81	U
111-91-1	Bis(2-chloroethoxy)methane		1.20	2.40	4.81	U
111-44-4	Bis(2-chloroethyl)ether		1.20	2.40	4.81	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.20	2.40	4.81	U
91-58-7	2-Chloronaphthalene		1.20	2.40	4.81	X, U
95-57-8	2-Chlorophenol		1.20	2.40	4.81	U
7005-72-3	4-Chlorophenyl phenyl ether		1.20	2.40	4.81	Q, 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
91-94-1	3,3'-Dichlorobenzidine		1.20	2.40	4.81	X, 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	U
51-28-5	2,4-Dinitrophenol		12.0	24.0	48.1	X, U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	U
606-20-2	2,6-Dinitrotoluene		1.20	2.40	4.81	U
117-84-0	Di-n-octylphthalate		1.20	2.40	4.81	X, U

ANALYSIS DATA SHEET

GW0090

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106048-01	File ID:	0604801.D
Sampled:	06/03/11 11:16	Prepared:	06/08/11 15:25	Analyzed:	06/20/11 20:31
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1F08012 Sequence: 1F17207 Calibration: 1122001 Instrument: MS-BNA3

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	X, 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	U
99-09-2	3-Nitroaniline		4.81	9.62	19.2	U
88-74-4	2-Nitroaniline		4.81	9.62	19.2	X, U
98-95-3	Nitrobenzene		1.20	2.40	4.81	U
100-02-7	4-Nitrophenol		4.81	9.62	19.2	X, U
88-75-5	2-Nitrophenol		1.20	2.40	4.81	U
86-30-6	N-Nitrosodiphenylamine		1.20	2.40	4.81	U
621-64-7	N-Nitroso-di-n-propylamine		1.20	2.40	4.81	U
87-86-5	Pentachlorophenol		4.81	9.62	19.2	U
85-01-8	Phenanthrene		1.20	2.40	4.81	U
108-95-2	Phenol		1.20	2.40	4.81	U
129-00-0	Pyrene		1.20	2.40	4.81	U
88-06-2	2,4,6-Trichlorophenol		1.20	2.40	4.81	U
95-95-4	2,4,5-Trichlorophenol		1.20	2.40	4.81	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	44.28	92.1	50 - 110	
2-Fluorophenol	96.15	41.37	43.0	20 - 110	
Nitrobenzene-d5	48.08	46.39	96.5	40 - 110	
Phenol-d6	96.15	24.15	25.1	10 - 110	
Terphenyl-d14	48.08	58.42	122	50 - 135	
2,4,6-Tribromophenol	96.15	102.3	106	40 - 125	

ANALYSIS DATA SHEET

GW0114

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106048-03	File ID:	0604803.D
Sampled:	06/03/11 14:42	Prepared:	06/08/11 15:25	Analyzed:	06/20/11 21:05
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1F08012 Sequence: 1F17207 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	112	1.18	2.36	4.72	E
120-12-7	Anthracene		1.18	2.36	4.72	U
1912-24-9	Atrazine		1.18	2.36	4.72	U
100-52-7	Benzaldehyde		1.18	2.36	4.72	Y, U
92-87-5	Benzidine		11.8	23.6	47.2	U
56-55-3	Benzo(a)anthracene		1.18	2.36	4.72	U
50-32-8	Benzo(a)pyrene		1.18	2.36	4.72	U
205-99-2	Benzo(b)fluoranthene		1.18	2.36	4.72	X, U
191-24-2	Benzo(g,h,i)perylene		1.18	2.36	4.72	U
65-85-0	Benzoic acid		11.8	23.6	47.2	U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	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	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	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	Q, 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
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	X, 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	8.19	4.72	9.43	18.9	J
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	X, U

ANALYSIS DATA SHEET

GW0114

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106048-03	File ID:	0604803.D
Sampled:	06/03/11 14:42	Prepared:	06/08/11 15:25	Analyzed:	06/20/11 21:05
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1F08012 Sequence: 1F17207 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	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	X, 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	3.28	1.18	2.36	4.72	J
91-57-6	2-Methylnaphthalene	1.93	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		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	X, U
98-95-3	Nitrobenzene		1.18	2.36	4.72	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	X, 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	4.39	1.18	2.36	4.72	J
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	41.92	88.9	50 - 110	
2-Fluorophenol	94.34	43.76	46.4	20 - 110	
Nitrobenzene-d5	47.17	42.60	90.3	40 - 110	
Phenol-d6	94.34	24.78	26.3	10 - 110	
Terphenyl-d14	47.17	60.78	129	50 - 135	
2,4,6-Tribromophenol	94.34	109.4	116	40 - 125	

ANALYSIS DATA SHEET

GW0114

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106048-03RE1	File ID:	0604803D.D
Sampled:	06/03/11 14:42	Prepared:	06/08/11 15:25	Analyzed:	06/22/11 16:29
Solids:		Preparation:	EXT_3510	Dilution:	5

Batch: 1F08012 Sequence: 1F17308 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		5.90	11.8	23.6	U
208-96-8	Acenaphthylene		5.90	11.8	23.6	U
98-86-2	Acetophenone	103	5.90	11.8	23.6	D
120-12-7	Anthracene		5.90	11.8	23.6	U
1912-24-9	Atrazine		5.90	11.8	23.6	U
100-52-7	Benzaldehyde		5.90	11.8	23.6	Y, U
92-87-5	Benzidine		59.0	118	236	U
56-55-3	Benzo(a)anthracene		5.90	11.8	23.6	U
50-32-8	Benzo(a)pyrene		5.90	11.8	23.6	U
205-99-2	Benzo(b)fluoranthene		5.90	11.8	23.6	X, U
191-24-2	Benzo(g,h,i)perylene		5.90	11.8	23.6	U
65-85-0	Benzoic acid		59.0	118	236	U
207-08-9	Benzo(k)fluoranthene		5.90	11.8	23.6	U
92-52-4	1,1-Biphenyl		5.90	11.8	23.6	U
101-55-3	4-Bromophenyl-phenylether		5.90	11.8	23.6	U
85-68-7	Butylbenzylphthalate		5.90	11.8	23.6	Q, U
105-60-2	Caprolactam		5.90	11.8	23.6	Q, U
86-74-8	Carbazole		5.90	11.8	23.6	U
59-50-7	4-Chloro-3-methylphenol		5.90	11.8	23.6	U
106-47-8	4-Chloroaniline		5.90	11.8	23.6	U
111-91-1	Bis(2-chloroethoxy)methane		5.90	11.8	23.6	U
111-44-4	Bis(2-chloroethyl)ether		5.90	11.8	23.6	U
108-60-1	2,2'-Oxybis-1-chloropropane		5.90	11.8	23.6	U
91-58-7	2-Chloronaphthalene		5.90	11.8	23.6	X, U
95-57-8	2-Chlorophenol		5.90	11.8	23.6	U
7005-72-3	4-Chlorophenyl phenyl ether		5.90	11.8	23.6	Q, U
218-01-9	Chrysene		5.90	11.8	23.6	U
53-70-3	Dibenz(a,h)anthracene		5.90	11.8	23.6	U
132-64-9	Dibenzofuran		5.90	11.8	23.6	U
84-74-2	Di-n-butylphthalate		5.90	11.8	23.6	U
91-94-1	3,3'-Dichlorobenzidine		5.90	11.8	23.6	X, U
120-83-2	2,4-Dichlorophenol		5.90	11.8	23.6	U
84-66-2	Diethylphthalate		5.90	11.8	23.6	U
105-67-9	2,4-Dimethylphenol		23.6	47.2	94.3	U
131-11-3	Dimethyl phthalate		5.90	11.8	23.6	U
534-52-1	4,6-Dinitro-2-methylphenol		23.6	47.2	94.3	U
51-28-5	2,4-Dinitrophenol		59.0	118	236	X, U
121-14-2	2,4-Dinitrotoluene		5.90	11.8	23.6	U
606-20-2	2,6-Dinitrotoluene		5.90	11.8	23.6	U
117-84-0	Di-n-octylphthalate		5.90	11.8	23.6	U

ANALYSIS DATA SHEET

GW0114

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106048-03RE1	File ID:	0604803D.D
Sampled:	06/03/11 14:42	Prepared:	06/08/11 15:25	Analyzed:	06/22/11 16:29
Solids:		Preparation:	EXT_3510	Dilution:	5

Batch: 1F08012 Sequence: 1F17308 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		5.90	11.8	23.6	U
117-81-7	Bis(2-ethylhexyl)phthalate		5.90	11.8	23.6	U
206-44-0	Fluoranthene		5.90	11.8	23.6	U
86-73-7	Fluorene		5.90	11.8	23.6	U
118-74-1	Hexachlorobenzene		5.90	11.8	23.6	U
87-68-3	Hexachlorobutadiene		5.90	11.8	23.6	U
77-47-4	Hexachlorocyclopentadiene		5.90	11.8	23.6	X, U
67-72-1	Hexachloroethane		5.90	11.8	23.6	U
193-39-5	Indeno(1,2,3-cd)pyrene		5.90	11.8	23.6	U
78-59-1	Isophorone		5.90	11.8	23.6	U
90-12-0	1-Methylnaphthalene		5.90	11.8	23.6	U
91-57-6	2-Methylnaphthalene		5.90	11.8	23.6	U
95-48-7	2-Methylphenol		5.90	11.8	23.6	U
65794-96-9	3+4-Methylphenol		5.90	11.8	23.6	U
100-01-6	4-Nitroaniline		23.6	47.2	94.3	U
99-09-2	3-Nitroaniline		23.6	47.2	94.3	U
88-74-4	2-Nitroaniline		23.6	47.2	94.3	U
98-95-3	Nitrobenzene		5.90	11.8	23.6	U
100-02-7	4-Nitrophenol		23.6	47.2	94.3	U
88-75-5	2-Nitrophenol		5.90	11.8	23.6	U
86-30-6	N-Nitrosodiphenylamine		5.90	11.8	23.6	U
621-64-7	N-Nitroso-di-n-propylamine		5.90	11.8	23.6	U
87-86-5	Pentachlorophenol		23.6	47.2	94.3	U
85-01-8	Phenanthrene		5.90	11.8	23.6	U
108-95-2	Phenol		5.90	11.8	23.6	U
129-00-0	Pyrene		5.90	11.8	23.6	U
88-06-2	2,4,6-Trichlorophenol		5.90	11.8	23.6	U
95-95-4	2,4,5-Trichlorophenol		5.90	11.8	23.6	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	39.70	84.2	50 - 110	
2-Fluorophenol	94.34	36.21	38.4	20 - 110	
Nitrobenzene-d5	47.17	40.46	85.8	40 - 110	
Phenol-d6	94.34	20.11	21.3	10 - 110	
Terphenyl-d14	47.17	47.41	101	50 - 135	
2,4,6-Tribromophenol	94.34	85.59	90.7	40 - 125	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F15812	Instrument:	MS-BNA3
		Calibration:	1122001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1F15812-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 06/02/11 15:44		
2-Fluorobiphenyl	50.00	102	80 - 120	9.084	9.084	0.0000	+/-0.500	
2-Fluorophenol	100.0	99.0	80 - 120	4.394	4.394	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	94.1	80 - 120	6.771	6.771	0.0000	+/-0.500	
Phenol-d6	100.0	103	80 - 120	5.58	5.58	0.0000	+/-0.500	
Terphenyl-d14	50.00	104	80 - 120	13.972	13.972	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	109	80 - 120	10.901	10.901	0.0000	+/-0.500	
Blank (1F01024-BLK1) ug/L				Lab File ID: F01024B1.D		Analyzed: 06/02/11 17:59		
2-Fluorobiphenyl	50.00	67.9	50 - 110	9.075	9.084	-0.0090	+/-0.500	
2-Fluorophenol	100.0	37.5	20 - 110	4.39	4.394	-0.0040	+/-0.500	
Nitrobenzene-d5	50.00	76.9	40 - 110	6.768	6.771	-0.0030	+/-0.500	
Phenol-d6	100.0	21.2	10 - 110	5.571	5.58	-0.0090	+/-0.500	
Terphenyl-d14	50.00	109	50 - 135	13.963	13.972	-0.0090	+/-0.500	
2,4,6-Tribromophenol	100.0	85.6	40 - 125	10.892	10.901	-0.0090	+/-0.500	
LCS (1F01024-BS1) ug/L				Lab File ID: F01024L1.D		Analyzed: 06/02/11 19:09		
2-Fluorobiphenyl	50.00	96.7	50 - 110	9.081	9.084	-0.0030	+/-0.500	
2-Fluorophenol	100.0	35.5	20 - 110	4.396	4.394	0.0020	+/-0.500	
Nitrobenzene-d5	50.00	92.3	40 - 110	6.773	6.771	0.0020	+/-0.500	
Phenol-d6	100.0	19.6	10 - 110	5.571	5.58	-0.0090	+/-0.500	
Terphenyl-d14	50.00	122	50 - 135	13.969	13.972	-0.0030	+/-0.500	
2,4,6-Tribromophenol	100.0	104	40 - 125	10.897	10.901	-0.0040	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
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	
GW0100 (1106002-01) ug/L				Lab File ID: 0600201.D		Analyzed: 06/06/11 21:08		
2-Fluorobiphenyl	46.73	94.7	50 - 110	8.153	8.149	0.0040	+/-0.500	
2-Fluorophenol	93.46	37.7	20 - 110	3.876	3.856	0.0200	+/-0.500	
Nitrobenzene-d5	46.73	88.6	40 - 110	5.993	5.993	0.0000	+/-0.500	
Phenol-d6	93.46	12.5	10 - 110	5.006	4.971	0.0350	+/-0.500	
Terphenyl-d14	46.73	121	50 - 135	12.683	12.678	0.0050	+/-0.500	
2,4,6-Tribromophenol	93.46	135	40 - 125	9.894	9.886	0.0080	+/-0.500	*
GW0101 (1106002-03) ug/L				Lab File ID: 0600203.D		Analyzed: 06/06/11 21:37		
2-Fluorobiphenyl	46.73	85.8	50 - 110	8.147	8.149	-0.0020	+/-0.500	
2-Fluorophenol	93.46	44.0	20 - 110	3.854	3.856	-0.0020	+/-0.500	
Nitrobenzene-d5	46.73	91.6	40 - 110	5.988	5.993	-0.0050	+/-0.500	
Phenol-d6	93.46	20.9	10 - 110	4.962	4.971	-0.0090	+/-0.500	
Terphenyl-d14	46.73	134	50 - 135	12.682	12.678	0.0040	+/-0.500	
2,4,6-Tribromophenol	93.46	126	40 - 125	9.878	9.886	-0.0080	+/-0.500	*

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F17103	Instrument:	MS-BNA3
		Calibration:	1122001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1F17103-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 06/18/11 18:42		
2-Fluorobiphenyl	50.00	104	80 - 120	8.923	8.923	0.0000	+/-0.500	
2-Fluorophenol	100.0	96.9	80 - 120	4.259	4.259	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	98.0	80 - 120	6.621	6.621	0.0000	+/-0.500	
Phenol-d6	100.0	97.7	80 - 120	5.445	5.445	0.0000	+/-0.500	
Terphenyl-d14	50.00	103	80 - 120	13.768	13.768	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	111	80 - 120	10.739	10.739	0.0000	+/-0.500	
Blank (1F06016-BLK1) ug/L				Lab File ID: F06016B1.D		Analyzed: 06/18/11 19:58		
2-Fluorobiphenyl	50.00	72.8	50 - 110	8.919	8.923	-0.0040	+/-0.500	
2-Fluorophenol	100.0	37.5	20 - 110	4.245	4.259	-0.0140	+/-0.500	
Nitrobenzene-d5	50.00	88.2	40 - 110	6.606	6.621	-0.0150	+/-0.500	
Phenol-d6	100.0	21.9	10 - 110	5.42	5.445	-0.0250	+/-0.500	
Terphenyl-d14	50.00	115	50 - 135	13.77	13.768	0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	108	40 - 125	10.73	10.739	-0.0090	+/-0.500	
LCS (1F06016-BS1) ug/L				Lab File ID: F06016L1.D		Analyzed: 06/18/11 21:07		
2-Fluorobiphenyl	50.00	93.9	50 - 110	8.93	8.923	0.0070	+/-0.500	
2-Fluorophenol	100.0	43.7	20 - 110	4.256	4.259	-0.0030	+/-0.500	
Nitrobenzene-d5	50.00	101	40 - 110	6.628	6.621	0.0070	+/-0.500	
Phenol-d6	100.0	25.7	10 - 110	5.436	5.445	-0.0090	+/-0.500	
Terphenyl-d14	50.00	112	50 - 135	13.776	13.768	0.0080	+/-0.500	
2,4,6-Tribromophenol	100.0	118	40 - 125	10.747	10.739	0.0080	+/-0.500	
LCS Dup (1F06016-BSD1) ug/L				Lab File ID: F06016L2.D		Analyzed: 06/18/11 21:42		
2-Fluorobiphenyl	50.00	85.9	50 - 110	8.937	8.923	0.0140	+/-0.500	
2-Fluorophenol	100.0	40.3	20 - 110	4.268	4.259	0.0090	+/-0.500	
Nitrobenzene-d5	50.00	93.8	40 - 110	6.635	6.621	0.0140	+/-0.500	
Phenol-d6	100.0	22.9	10 - 110	5.449	5.445	0.0040	+/-0.500	
Terphenyl-d14	50.00	114	50 - 135	13.788	13.768	0.0200	+/-0.500	
2,4,6-Tribromophenol	100.0	112	40 - 125	10.753	10.739	0.0140	+/-0.500	
GW0103 (1106013-01) ug/L				Lab File ID: 0601301.D		Analyzed: 06/19/11 03:37		
2-Fluorobiphenyl	47.80	85.8	50 - 110	8.924	8.923	0.0010	+/-0.500	
2-Fluorophenol	95.60	32.6	20 - 110	4.26	4.259	0.0010	+/-0.500	
Nitrobenzene-d5	47.80	86.6	40 - 110	6.616	6.621	-0.0050	+/-0.500	
Phenol-d6	95.60	19.1	10 - 110	5.436	5.445	-0.0090	+/-0.500	
Terphenyl-d14	47.80	106	50 - 135	13.78	13.768	0.0120	+/-0.500	
2,4,6-Tribromophenol	95.60	99.7	40 - 125	10.746	10.739	0.0070	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F17103	Instrument:	MS-BNA3
		Calibration:	1122001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0104 (1106013-03) ug/L				Lab File ID: 0601303.D		Analyzed: 06/19/11 04:12		
2-Fluorobiphenyl	46.30	77.8	50 - 110	8.921	8.923	-0.0020	+/-0.500	
2-Fluorophenol	92.59	29.5	20 - 110	4.252	4.259	-0.0070	+/-0.500	
Nitrobenzene-d5	46.30	80.0	40 - 110	6.613	6.621	-0.0080	+/-0.500	
Phenol-d6	92.59	15.4	10 - 110	5.432	5.445	-0.0130	+/-0.500	
Terphenyl-d14	46.30	106	50 - 135	13.777	13.768	0.0090	+/-0.500	
2,4,6-Tribromophenol	92.59	94.6	40 - 125	10.742	10.739	0.0030	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F17207	Instrument:	MS-BNA3
		Calibration:	1122001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1F17207-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 06/20/11 17:17		
2-Fluorobiphenyl	50.00	104	80 - 120	8.908	8.908	0.0000	+/-0.500	
2-Fluorophenol	100.0	99.2	80 - 120	4.25	4.25	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	102	80 - 120	6.606	6.606	0.0000	+/-0.500	
Phenol-d6	100.0	99.7	80 - 120	5.441	5.441	0.0000	+/-0.500	
Terphenyl-d14	50.00	104	80 - 120	13.748	13.748	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	111	80 - 120	10.724	10.724	0.0000	+/-0.500	
Blank (1F08012-BLK1) ug/L				Lab File ID: F06016B1.D		Analyzed: 06/20/11 18:46		
2-Fluorobiphenyl	50.00	79.2	50 - 110	8.892	8.908	-0.0160	+/-0.500	
2-Fluorophenol	100.0	42.1	20 - 110	4.223	4.25	-0.0270	+/-0.500	
Nitrobenzene-d5	50.00	86.5	40 - 110	6.579	6.606	-0.0270	+/-0.500	
Phenol-d6	100.0	24.9	10 - 110	5.398	5.441	-0.0430	+/-0.500	
Terphenyl-d14	50.00	112	50 - 135	13.732	13.748	-0.0160	+/-0.500	
2,4,6-Tribromophenol	100.0	98.2	40 - 125	10.703	10.724	-0.0210	+/-0.500	
LCS (1F08012-BS1) ug/L				Lab File ID: F06016L1.D		Analyzed: 06/20/11 19:22		
2-Fluorobiphenyl	50.00	92.1	50 - 110	8.894	8.908	-0.0140	+/-0.500	
2-Fluorophenol	100.0	50.8	20 - 110	4.225	4.25	-0.0250	+/-0.500	
Nitrobenzene-d5	50.00	102	40 - 110	6.586	6.606	-0.0200	+/-0.500	
Phenol-d6	100.0	30.7	10 - 110	5.405	5.441	-0.0360	+/-0.500	
Terphenyl-d14	50.00	118	50 - 135	13.728	13.748	-0.0200	+/-0.500	
2,4,6-Tribromophenol	100.0	113	40 - 125	10.705	10.724	-0.0190	+/-0.500	
LCS Dup (1F08012-BSD1) ug/L				Lab File ID: F06016L2.D		Analyzed: 06/20/11 19:57		
2-Fluorobiphenyl	50.00	96.0	50 - 110	8.907	8.908	-0.0010	+/-0.500	
2-Fluorophenol	100.0	49.7	20 - 110	4.238	4.25	-0.0120	+/-0.500	
Nitrobenzene-d5	50.00	99.6	40 - 110	6.599	6.606	-0.0070	+/-0.500	
Phenol-d6	100.0	29.8	10 - 110	5.418	5.441	-0.0230	+/-0.500	
Terphenyl-d14	50.00	122	50 - 135	13.747	13.748	-0.0010	+/-0.500	
2,4,6-Tribromophenol	100.0	117	40 - 125	10.723	10.724	-0.0010	+/-0.500	
GW0090 (1106048-01) ug/L				Lab File ID: 0604801.D		Analyzed: 06/20/11 20:31		
2-Fluorobiphenyl	48.08	92.1	50 - 110	8.887	8.908	-0.0210	+/-0.500	
2-Fluorophenol	96.15	43.0	20 - 110	4.218	4.25	-0.0320	+/-0.500	
Nitrobenzene-d5	48.08	96.5	40 - 110	6.579	6.606	-0.0270	+/-0.500	
Phenol-d6	96.15	25.1	10 - 110	5.393	5.441	-0.0480	+/-0.500	
Terphenyl-d14	48.08	122	50 - 135	13.727	13.748	-0.0210	+/-0.500	
2,4,6-Tribromophenol	96.15	106	40 - 125	10.698	10.724	-0.0260	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F17207	Instrument:	MS-BNA3
		Calibration:	1122001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0114 (1106048-03) ug/L				Lab File ID: 0604803.D		Analyzed: 06/20/11 21:05		
2-Fluorobiphenyl	47.17	88.9	50 - 110	8.901	8.908	-0.0070	+/-0.500	
2-Fluorophenol	94.34	46.4	20 - 110	4.28	4.25	0.0300	+/-0.500	
Nitrobenzene-d5	47.17	90.3	40 - 110	6.593	6.606	-0.0130	+/-0.500	
Phenol-d6	94.34	26.3	10 - 110	5.476	5.441	0.0350	+/-0.500	
Terphenyl-d14	47.17	129	50 - 135	13.735	13.748	-0.0130	+/-0.500	
2,4,6-Tribromophenol	94.34	116	40 - 125	10.717	10.724	-0.0070	+/-0.500	
GW0089 (1106026-01) ug/L				Lab File ID: 0602601.D		Analyzed: 06/21/11 00:41		
2-Fluorobiphenyl	47.17	77.7	50 - 110	8.894	8.908	-0.0140	+/-0.500	
2-Fluorophenol	94.34	31.3	20 - 110	4.231	4.25	-0.0190	+/-0.500	
Nitrobenzene-d5	47.17	85.0	40 - 110	6.587	6.606	-0.0190	+/-0.500	
Phenol-d6	94.34	18.0	10 - 110	5.401	5.441	-0.0400	+/-0.500	
Terphenyl-d14	47.17	116	50 - 135	13.734	13.748	-0.0140	+/-0.500	
2,4,6-Tribromophenol	94.34	103	40 - 125	10.705	10.724	-0.0190	+/-0.500	
GW0111 (1106026-03) ug/L				Lab File ID: 0602603.D		Analyzed: 06/21/11 01:18		
2-Fluorobiphenyl	46.73	66.4	50 - 110	8.888	8.908	-0.0200	+/-0.500	
2-Fluorophenol	93.46	28.7	20 - 110	4.219	4.25	-0.0310	+/-0.500	
Nitrobenzene-d5	46.73	74.7	40 - 110	6.58	6.606	-0.0260	+/-0.500	
Phenol-d6	93.46	16.3	10 - 110	5.389	5.441	-0.0520	+/-0.500	
Terphenyl-d14	46.73	114	50 - 135	13.728	13.748	-0.0200	+/-0.500	
2,4,6-Tribromophenol	93.46	101	40 - 125	10.699	10.724	-0.0250	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F17308	Instrument:	MS-BNA3
		Calibration:	1122001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1F17308-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 06/22/11 11:41		
2-Fluorobiphenyl	50.00	103	80 - 120	8.864	8.864	0.0000	+/-0.500	
2-Fluorophenol	100.0	98.2	80 - 120	4.201	4.201	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	102	80 - 120	6.562	6.562	0.0000	+/-0.500	
Phenol-d6	100.0	101	80 - 120	5.397	5.397	0.0000	+/-0.500	
Terphenyl-d14	50.00	103	80 - 120	13.688	13.688	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	117	80 - 120	10.681	10.681	0.0000	+/-0.500	
GW0114 (1106048-03RE1) ug/L				Lab File ID: 0604803D.D		Analyzed: 06/22/11 16:29		
2-Fluorobiphenyl	47.17	84.2	50 - 110	8.854	8.864	-0.0100	+/-0.500	
2-Fluorophenol	94.34	38.4	20 - 110	4.19	4.201	-0.0110	+/-0.500	
Nitrobenzene-d5	47.17	85.8	40 - 110	6.541	6.562	-0.0210	+/-0.500	
Phenol-d6	94.34	21.3	10 - 110	5.371	5.397	-0.0260	+/-0.500	
Terphenyl-d14	47.17	101	50 - 135	13.673	13.688	-0.0150	+/-0.500	
2,4,6-Tribromophenol	94.34	90.7	40 - 125	10.66	10.681	-0.0210	+/-0.500	

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F01024	Laboratory ID:	1F01024-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	54.59	109	45 - 110
Acenaphthylene	50.00	47.42	94.8	50 - 105
Acetophenone	50.00	44.65	89.3	50 - 110
Anthracene	50.00	54.86	110	55 - 110
Atrazine	50.00	44.44	88.9	70 - 115
Benzaldehyde	50.00	44.84	89.7	10 - 180
Benzidine	50.00	5.00 U	0	0 - 200
Benzo(a)anthracene	**50.00**	**58.85**	**118**	**55 - 110**
Benzo(a)pyrene	50.00	52.97	106	55 - 110
Benzo(b)fluoranthene	**50.00**	**62.31**	**125**	**45 - 120**
Benzo(g,h,i)perylene	50.00	59.97	120	40 - 125
Benzoic acid	50.00	5.00 U	0	0 - 125
Benzo(k)fluoranthene	50.00	62.60	125	45 - 125
1,1-Biphenyl	50.00	47.01	94.0	50 - 110
4-Bromophenyl-phenylether	**50.00**	**59.04**	**118**	**50 - 115**
Butylbenzylphthalate	**50.00**	**67.14**	**134**	**45 - 115**
Caprolactam	**50.00**	**5.464**	**10.9**	**20 - 110**
Carbazole	50.00	54.16	108	50 - 115
4-Chloro-3-methylphenol	50.00	43.03	86.1	45 - 110
4-Chloroaniline	50.00	42.38	84.8	15 - 110
Bis(2-chloroethoxy)methane	**50.00**	**58.68**	**117**	**45 - 105**
Bis(2-chloroethyl)ether	50.00	54.57	109	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	50.89	102	25 - 130
2-Chloronaphthalene	**50.00**	**53.37**	**107**	**50 - 105**
2-Chlorophenol	50.00	37.87	75.7	35 - 105
4-Chlorophenyl phenyl ether	**50.00**	**60.83**	**122**	**50 - 110**
Chrysene	**50.00**	**60.56**	**121**	**55 - 110**
Dibenz(a,h)anthracene	50.00	56.23	112	40 - 125
Dibenzofuran	**50.00**	**57.88**	**116**	**55 - 105**
Di-n-butylphthalate	**50.00**	**62.30**	**125**	**55 - 115**

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F01024	Laboratory ID:	1F01024-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**	**60.21**	**120**	**20 - 110**
2,4-Dichlorophenol	50.00	45.98	92.0	40 - 110
Diethylphthalate	**50.00**	**66.20**	**132**	**40 - 120**
2,4-Dimethylphenol	50.00	43.40	86.8	30 - 110
Dimethyl phthalate	50.00	61.79	124	25 - 125
4,6-Dinitro-2-methylphenol	50.00	55.65	111	40 - 130
2,4-Dinitrophenol	50.00	50.52	101	15 - 140
2,4-Dinitrotoluene	**50.00**	**61.22**	**122**	**50 - 120**
2,6-Dinitrotoluene	**50.00**	**58.32**	**117**	**50 - 115**
Di-n-octylphthalate	50.00	66.52	133	35 - 135
1,2-Diphenylhydrazine	50.00	50.64	101	55 - 115
Bis(2-ethylhexyl)phthalate	**50.00**	**65.52**	**131**	**40 - 125**
Fluoranthene	50.00	56.33	113	55 - 115
Fluorene	50.00	55.21	110	50 - 110
Hexachlorobenzene	**50.00**	**56.82**	**114**	**50 - 110**
Hexachlorobutadiene	50.00	31.96	63.9	25 - 105
Hexachlorocyclopentadiene	50.00	13.84	27.7	10 - 110
Hexachloroethane	50.00	25.10	50.2	30 - 95
Indeno(1,2,3-cd)pyrene	50.00	54.74	109	45 - 125
Isophorone	50.00	40.47	80.9	50 - 110
1-Methylnaphthalene	50.00	44.79	89.6	30 - 115
2-Methylnaphthalene	50.00	45.91	91.8	45 - 105
2-Methylphenol	50.00	30.74	61.5	40 - 110
3+4-Methylphenol	50.00	26.14	52.3	30 - 110
4-Nitroaniline	50.00	49.67	99.3	35 - 120
3-Nitroaniline	50.00	46.23	92.5	20 - 125
2-Nitroaniline	50.00	56.62	113	50 - 115
Nitrobenzene	50.00	49.68	99.4	30 - 110
4-Nitrophenol	50.00	9.952	19.9	0 - 125
2-Nitrophenol	50.00	48.48	97.0	40 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F01024	Laboratory ID:	1F01024-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	28.88	57.8	50 - 110
N-Nitroso-di-n-propylamine	50.00	49.93	99.9	35 - 130
Pentachlorophenol	50.00	51.37	103	40 - 115
Phenanthrene	**50.00**	**57.92**	**116**	**50 - 115**
Phenol	50.00	10.71	21.4	0 - 115
Pyrene	50.00	60.82	122	50 - 130
2,4,6-Trichlorophenol	50.00	54.56	109	50 - 115
2,4,5-Trichlorophenol	50.00	54.85	110	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F06016	Laboratory ID:	1F06016-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	46.97	93.9	45 - 110
Acenaphthylene	50.00	38.87	77.7	50 - 105
Acetophenone	50.00	42.93	85.9	50 - 110
Anthracene	50.00	42.31	84.6	55 - 110
Atrazine	50.00	42.94	85.9	70 - 115
Benzaldehyde	50.00	30.64	61.3	10 - 180
Benzidine	50.00	50.0 U	0	0 - 200
Benzo(a)anthracene	50.00	49.17	98.3	55 - 110
Benzo(a)pyrene	50.00	43.61	87.2	55 - 110
Benzo(b)fluoranthene	50.00	57.27	115	45 - 120
Benzo(g,h,i)perylene	50.00	43.68	87.4	40 - 125
Benzoic acid	50.00	50.0 U	0	0 - 125
Benzo(k)fluoranthene	50.00	53.52	107	45 - 125
1,1-Biphenyl	50.00	44.38	88.8	50 - 110
4-Bromophenyl-phenylether	50.00	49.83	99.7	50 - 115
Butylbenzylphthalate	50.00	53.72	107	45 - 115
Caprolactam	**50.00**	**7.873**	**15.7**	**20 - 110**
Carbazole	50.00	43.78	87.6	50 - 115
4-Chloro-3-methylphenol	50.00	41.35	82.7	45 - 110
4-Chloroaniline	50.00	39.69	79.4	15 - 110
Bis(2-chloroethoxy)methane	50.00	50.31	101	45 - 105
Bis(2-chloroethyl)ether	50.00	45.43	90.9	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	43.59	87.2	25 - 130
2-Chloronaphthalene	50.00	47.02	94.0	50 - 105
2-Chlorophenol	50.00	35.41	70.8	35 - 105
4-Chlorophenyl phenyl ether	50.00	51.72	103	50 - 110
Chrysene	50.00	46.53	93.1	55 - 110
Dibenz(a,h)anthracene	50.00	45.71	91.4	40 - 125
Dibenzofuran	50.00	46.59	93.2	55 - 105
Di-n-butylphthalate	50.00	48.21	96.4	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F06016	Laboratory ID:	1F06016-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	45.61	91.2	20 - 110
2,4-Dichlorophenol	50.00	43.08	86.2	40 - 110
Diethylphthalate	50.00	57.55	115	40 - 120
2,4-Dimethylphenol	50.00	37.72	75.4	30 - 110
Dimethyl phthalate	50.00	51.61	103	25 - 125
4,6-Dinitro-2-methylphenol	50.00	54.64	109	40 - 130
2,4-Dinitrophenol	50.00	57.84	116	15 - 140
2,4-Dinitrotoluene	50.00	50.39	101	50 - 120
2,6-Dinitrotoluene	50.00	49.55	99.1	50 - 115
Di-n-octylphthalate	50.00	59.13	118	35 - 135
1,2-Diphenylhydrazine	50.00	46.53	93.1	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	52.88	106	40 - 125
Fluoranthene	50.00	43.36	86.7	55 - 115
Fluorene	50.00	46.80	93.6	50 - 110
Hexachlorobenzene	50.00	46.92	93.8	50 - 110
Hexachlorobutadiene	50.00	49.08	98.2	25 - 105
Hexachlorocyclopentadiene	50.00	20.89	41.8	10 - 110
Hexachloroethane	50.00	38.38	76.8	30 - 95
Indeno(1,2,3-cd)pyrene	50.00	44.23	88.5	45 - 125
Isophorone	50.00	36.83	73.7	50 - 110
1-Methylnaphthalene	50.00	43.57	87.1	30 - 115
2-Methylnaphthalene	50.00	45.54	91.1	45 - 105
2-Methylphenol	50.00	28.83	57.7	40 - 110
3+4-Methylphenol	50.00	25.66	51.3	30 - 110
4-Nitroaniline	50.00	43.84	87.7	35 - 120
3-Nitroaniline	50.00	42.42	84.8	20 - 125
2-Nitroaniline	50.00	50.98	102	50 - 115
Nitrobenzene	50.00	45.93	91.9	30 - 110
4-Nitrophenol	50.00	13.06	26.1	0 - 125
2-Nitrophenol	50.00	46.47	92.9	40 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F06016	Laboratory ID:	1F06016-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**	**24.92**	**49.8**	**50 - 110**
N-Nitroso-di-n-propylamine	50.00	43.24	86.5	35 - 130
Pentachlorophenol	50.00	50.41	101	40 - 115
Phenanthrene	50.00	46.78	93.6	50 - 115
Phenol	50.00	14.11	28.2	0 - 115
Pyrene	50.00	45.67	91.3	50 - 130
2,4,6-Trichlorophenol	50.00	49.54	99.1	50 - 115
2,4,5-Trichlorophenol	50.00	49.40	98.8	50 - 110

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	50.00	44.54	89.1	5.30	30	45 - 110
Acenaphthylene	50.00	36.97	73.9	5.00	30	50 - 105
Acetophenone	50.00	40.58	81.2	5.62	30	50 - 110
Anthracene	50.00	41.89	83.8	1.00	30	55 - 110
Atrazine	50.00	41.95	83.9	2.32	30	70 - 115
Benzaldehyde	50.00	28.28	56.6	7.99	30	10 - 180
Benzidine	50.00	50.0 U	0		30	0 - 200
Benzo(a)anthracene	50.00	47.22	94.4	4.04	30	55 - 110
Benzo(a)pyrene	50.00	41.97	83.9	3.84	30	55 - 110
Benzo(b)fluoranthene	50.00	54.39	109	5.16	30	45 - 120
Benzo(g,h,i)perylene	50.00	46.19	92.4	5.58	30	40 - 125
Benzoic acid	50.00	50.0 U	0		30	0 - 125
Benzo(k)fluoranthene	50.00	46.21	92.4	14.7	30	45 - 125
1,1-Biphenyl	50.00	43.42	86.8	2.19	30	50 - 110
4-Bromophenyl-phenylether	50.00	48.35	96.7	3.00	30	50 - 115
Butylbenzylphthalate	50.00	51.64	103	3.95	30	45 - 115
Caprolactam	**50.00**	**6.793**	**13.6 ***	**14.7**	**30**	**20 - 110**
Carbazole	50.00	42.61	85.2	2.70	30	50 - 115
4-Chloro-3-methylphenol	50.00	36.49	73.0	12.5	30	45 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F06016	Laboratory ID:	1F06016-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	34.11	68.2	15.1	30	15 - 110
Bis(2-chloroethoxy)methane	50.00	47.10	94.2	6.59	30	45 - 105
Bis(2-chloroethyl)ether	50.00	42.40	84.8	6.89	30	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	41.27	82.5	5.47	30	25 - 130
2-Chloronaphthalene	50.00	45.40	90.8	3.52	30	50 - 105
2-Chlorophenol	50.00	32.55	65.1	8.41	30	35 - 105
4-Chlorophenyl phenyl ether	50.00	50.31	101	2.78	30	50 - 110
Chrysene	50.00	42.72	85.4	8.54	30	55 - 110
Dibenz(a,h)anthracene	50.00	48.02	96.0	4.92	30	40 - 125
Dibenzofuran	50.00	46.18	92.4	0.885	30	55 - 105
Di-n-butylphthalate	50.00	47.47	94.9	1.54	30	55 - 115
3,3'-Dichlorobenzidine	50.00	40.26	80.5	12.5	30	20 - 110
2,4-Dichlorophenol	50.00	40.34	80.7	6.57	30	40 - 110
Diethylphthalate	50.00	56.51	113	1.83	30	40 - 120
2,4-Dimethylphenol	50.00	36.24	72.5	4.02	30	30 - 110
Dimethyl phthalate	50.00	48.97	97.9	5.25	30	25 - 125
4,6-Dinitro-2-methylphenol	50.00	51.34	103	6.22	30	40 - 130
2,4-Dinitrophenol	50.00	51.87	104	10.9	30	15 - 140
2,4-Dinitrotoluene	50.00	49.22	98.4	2.35	30	50 - 120
2,6-Dinitrotoluene	50.00	47.37	94.7	4.50	30	50 - 115
Di-n-octylphthalate	50.00	55.36	111	6.58	30	35 - 135
1,2-Diphenylhydrazine	50.00	45.94	91.9	1.27	30	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	49.80	99.6	6.00	30	40 - 125
Fluoranthene	50.00	43.84	87.7	1.11	30	55 - 115
Fluorene	50.00	45.70	91.4	2.38	30	50 - 110
Hexachlorobenzene	50.00	45.44	90.9	3.21	30	50 - 110
Hexachlorobutadiene	50.00	45.43	90.9	7.73	30	25 - 105
Hexachlorocyclopentadiene	50.00	20.24	40.5	3.16	30	10 - 110
Hexachloroethane	50.00	36.68	73.4	4.53	30	30 - 95
Indeno(1,2,3-cd)pyrene	50.00	48.46	96.9	9.14	30	45 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F06016	Laboratory ID:	1F06016-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	34.30	68.6	7.12	30	50 - 110
1-Methylnaphthalene	50.00	40.24	80.5	7.95	30	30 - 115
2-Methylnaphthalene	50.00	42.15	84.3	7.73	30	45 - 105
2-Methylphenol	50.00	26.12	52.2	9.87	30	40 - 110
3+4-Methylphenol	50.00	23.33	46.7	9.51	30	30 - 110
4-Nitroaniline	50.00	40.92	81.8	6.90	30	35 - 120
3-Nitroaniline	50.00	38.71	77.4	9.16	30	20 - 125
2-Nitroaniline	50.00	50.02	100	1.89	30	50 - 115
Nitrobenzene	50.00	43.04	86.1	6.50	30	30 - 110
4-Nitrophenol	50.00	11.55	23.1	12.3	30	0 - 125
2-Nitrophenol	50.00	44.22	88.4	4.95	30	40 - 115
N-Nitrosodiphenylamine	**50.00**	**23.79**	**47.6 ***	**4.62**	**30**	**50 - 110**
N-Nitroso-di-n-propylamine	50.00	40.82	81.6	5.76	30	35 - 130
Pentachlorophenol	50.00	47.22	94.4	6.55	30	40 - 115
Phenanthrene	50.00	45.40	90.8	2.99	30	50 - 115
Phenol	50.00	12.56	25.1	11.6	30	0 - 115
Pyrene	50.00	46.45	92.9	1.70	30	50 - 130
2,4,6-Trichlorophenol	50.00	47.13	94.3	4.98	30	50 - 115
2,4,5-Trichlorophenol	50.00	46.71	93.4	5.60	30	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F08012	Laboratory ID:	1F08012-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	49.16	98.3	45 - 110
Acenaphthylene	50.00	41.53	83.1	50 - 105
Acetophenone	50.00	46.13	92.3	50 - 110
Anthracene	50.00	46.72	93.4	55 - 110
Atrazine	50.00	47.13	94.3	70 - 115
Benzaldehyde	50.00	34.70	69.4	10 - 180
Benzidine	50.00	50.0 U	0	0 - 200
Benzo(a)anthracene	50.00	51.72	103	55 - 110
Benzo(a)pyrene	50.00	45.55	91.1	55 - 110
Benzo(b)fluoranthene	50.00	55.50	111	45 - 120
Benzo(g,h,i)perylene	50.00	43.84	87.7	40 - 125
Benzoic acid	50.00	50.0 U	0	0 - 125
Benzo(k)fluoranthene	50.00	51.16	102	45 - 125
1,1-Biphenyl	50.00	48.56	97.1	50 - 110
4-Bromophenyl-phenylether	50.00	53.50	107	50 - 115
Butylbenzylphthalate	50.00	57.24	114	45 - 115
Caprolactam	**50.00**	**9.059**	**18.1**	**20 - 110**
Carbazole	50.00	47.01	94.0	50 - 115
4-Chloro-3-methylphenol	50.00	44.66	89.3	45 - 110
4-Chloroaniline	50.00	44.30	88.6	15 - 110
Bis(2-chloroethoxy)methane	50.00	51.57	103	45 - 105
Bis(2-chloroethyl)ether	50.00	47.96	95.9	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	47.95	95.9	25 - 130
2-Chloronaphthalene	50.00	49.33	98.7	50 - 105
2-Chlorophenol	50.00	38.98	78.0	35 - 105
4-Chlorophenyl phenyl ether	50.00	54.54	109	50 - 110
Chrysene	50.00	50.35	101	55 - 110
Dibenz(a,h)anthracene	50.00	48.01	96.0	40 - 125
Dibenzofuran	50.00	50.46	101	55 - 105
Di-n-butylphthalate	50.00	52.26	105	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F08012	Laboratory ID:	1F08012-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	50.67	101	20 - 110
2,4-Dichlorophenol	50.00	44.70	89.4	40 - 110
Diethylphthalate	50.00	57.54	115	40 - 120
2,4-Dimethylphenol	50.00	42.68	85.4	30 - 110
Dimethyl phthalate	50.00	53.98	108	25 - 125
4,6-Dinitro-2-methylphenol	50.00	55.66	111	40 - 130
2,4-Dinitrophenol	50.00	59.65	119	15 - 140
2,4-Dinitrotoluene	50.00	53.70	107	50 - 120
2,6-Dinitrotoluene	50.00	51.30	103	50 - 115
Di-n-octylphthalate	50.00	60.33	121	35 - 135
1,2-Diphenylhydrazine	50.00	49.04	98.1	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	56.29	113	40 - 125
Fluoranthene	50.00	47.67	95.3	55 - 115
Fluorene	50.00	49.69	99.4	50 - 110
Hexachlorobenzene	50.00	50.19	100	50 - 110
Hexachlorobutadiene	50.00	45.00	90.0	25 - 105
Hexachlorocyclopentadiene	50.00	20.68	41.4	10 - 110
Hexachloroethane	50.00	36.57	73.1	30 - 95
Indeno(1,2,3-cd)pyrene	50.00	46.79	93.6	45 - 125
Isophorone	50.00	37.56	75.1	50 - 110
1-Methylnaphthalene	50.00	43.05	86.1	30 - 115
2-Methylnaphthalene	50.00	45.43	90.9	45 - 105
2-Methylphenol	50.00	33.21	66.4	40 - 110
3+4-Methylphenol	50.00	30.71	61.4	30 - 110
4-Nitroaniline	50.00	49.29	98.6	35 - 120
3-Nitroaniline	50.00	47.32	94.6	20 - 125
2-Nitroaniline	50.00	54.53	109	50 - 115
Nitrobenzene	50.00	47.47	94.9	30 - 110
4-Nitrophenol	50.00	16.15	32.3	0 - 125
2-Nitrophenol	50.00	47.47	94.9	40 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F08012	Laboratory ID:	1F08012-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	25.69	51.4	50 - 110
N-Nitroso-di-n-propylamine	50.00	46.74	93.5	35 - 130
Pentachlorophenol	50.00	51.94	104	40 - 115
Phenanthrene	50.00	49.21	98.4	50 - 115
Phenol	50.00	16.89	33.8	0 - 115
Pyrene	50.00	49.70	99.4	50 - 130
2,4,6-Trichlorophenol	50.00	52.03	104	50 - 115
2,4,5-Trichlorophenol	50.00	51.50	103	50 - 110

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	50.00	48.50	97.0	1.35	30	45 - 110
Acenaphthylene	50.00	40.98	82.0	1.35	30	50 - 105
Acetophenone	50.00	44.96	89.9	2.57	30	50 - 110
Anthracene	50.00	45.61	91.2	2.39	30	55 - 110
Atrazine	50.00	47.10	94.2	0.0558	30	70 - 115
Benzaldehyde	50.00	34.08	68.2	1.79	30	10 - 180
Benzidine	50.00	50.0 U	0		30	0 - 200
Benzo(a)anthracene	50.00	53.31	107	3.02	30	55 - 110
Benzo(a)pyrene	50.00	47.08	94.2	3.30	30	55 - 110
Benzo(b)fluoranthene	50.00	57.64	115	3.77	30	45 - 120
Benzo(g,h,i)perylene	50.00	51.83	104	16.7	30	40 - 125
Benzoic acid	50.00	50.0 U	0		30	0 - 125
Benzo(k)fluoranthene	50.00	52.81	106	3.16	30	45 - 125
1,1-Biphenyl	50.00	48.79	97.6	0.465	30	50 - 110
4-Bromophenyl-phenylether	50.00	53.07	106	0.806	30	50 - 115
Butylbenzylphthalate	**50.00**	**59.71**	**119 ***	**4.24**	**30**	**45 - 115**
Caprolactam	**50.00**	**8.737**	**17.5 ***	**3.62**	**30**	**20 - 110**
Carbazole	50.00	46.80	93.6	0.441	30	50 - 115
4-Chloro-3-methylphenol	50.00	46.61	93.2	4.28	30	45 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F08012	Laboratory ID:	1F08012-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	41.14	82.3	7.41	30	15 - 110
Bis(2-chloroethoxy)methane	50.00	51.97	104	0.767	30	45 - 105
Bis(2-chloroethyl)ether	50.00	46.99	94.0	2.04	30	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	45.16	90.3	5.99	30	25 - 130
2-Chloronaphthalene	50.00	49.83	99.7	0.999	30	50 - 105
2-Chlorophenol	50.00	39.97	79.9	2.50	30	35 - 105
4-Chlorophenyl phenyl ether	**50.00**	**56.06**	**112 ***	**2.74**	**30**	**50 - 110**
Chrysene	50.00	49.59	99.2	1.52	30	55 - 110
Dibenz(a,h)anthracene	50.00	56.51	113	16.3	30	40 - 125
Dibenzofuran	50.00	51.40	103	1.84	30	55 - 105
Di-n-butylphthalate	50.00	53.31	107	1.98	30	55 - 115
3,3'-Dichlorobenzidine	50.00	46.39	92.8	8.81	30	20 - 110
2,4-Dichlorophenol	50.00	45.03	90.1	0.740	30	40 - 110
Diethylphthalate	50.00	58.65	117	1.91	30	40 - 120
2,4-Dimethylphenol	50.00	43.08	86.2	0.932	30	30 - 110
Dimethyl phthalate	50.00	55.48	111	2.74	30	25 - 125
4,6-Dinitro-2-methylphenol	50.00	63.31	127	12.9	30	40 - 130
2,4-Dinitrophenol	50.00	63.50	127	6.26	30	15 - 140
2,4-Dinitrotoluene	50.00	55.36	111	3.05	30	50 - 120
2,6-Dinitrotoluene	50.00	54.18	108	5.47	30	50 - 115
Di-n-octylphthalate	50.00	61.07	122	1.23	30	35 - 135
1,2-Diphenylhydrazine	50.00	51.45	103	4.79	30	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	57.27	115	1.73	30	40 - 125
Fluoranthene	50.00	47.61	95.2	0.129	30	55 - 115
Fluorene	50.00	50.71	101	2.04	30	50 - 110
Hexachlorobenzene	50.00	49.44	98.9	1.49	30	50 - 110
Hexachlorobutadiene	50.00	41.27	82.5	8.63	30	25 - 105
Hexachlorocyclopentadiene	50.00	20.69	41.4	0.0614	30	10 - 110
Hexachloroethane	50.00	33.15	66.3	9.81	30	30 - 95
Indeno(1,2,3-cd)pyrene	50.00	55.15	110	16.4	30	45 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F08012	Laboratory ID:	1F08012-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	37.54	75.1	0.0557	30	50 - 110
1-Methylnaphthalene	50.00	43.79	87.6	1.71	30	30 - 115
2-Methylnaphthalene	50.00	45.64	91.3	0.467	30	45 - 105
2-Methylphenol	50.00	34.06	68.1	2.53	30	40 - 110
3+4-Methylphenol	50.00	31.25	62.5	1.73	30	30 - 110
4-Nitroaniline	50.00	47.30	94.6	4.12	30	35 - 120
3-Nitroaniline	50.00	45.10	90.2	4.81	30	20 - 125
2-Nitroaniline	50.00	53.88	108	1.20	30	50 - 115
Nitrobenzene	50.00	46.33	92.7	2.43	30	30 - 110
4-Nitrophenol	50.00	15.67	31.3	3.02	30	0 - 125
2-Nitrophenol	50.00	49.76	99.5	4.72	30	40 - 115
N-Nitrosodiphenylamine	50.00	28.53	57.1	10.5	30	50 - 110
N-Nitroso-di-n-propylamine	50.00	44.46	88.9	5.00	30	35 - 130
Pentachlorophenol	50.00	52.44	105	0.948	30	40 - 115
Phenanthrene	50.00	49.96	99.9	1.51	30	50 - 115
Phenol	50.00	16.40	32.8	2.93	30	0 - 115
Pyrene	50.00	51.36	103	3.29	30	50 - 130
2,4,6-Trichlorophenol	50.00	53.28	107	2.37	30	50 - 115
2,4,5-Trichlorophenol	50.00	53.64	107	4.07	30	50 - 110

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Batch: 1F01024 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0100	1106002-01	06/02/11 10:28	1,070.00	1.00
GW0101	1106002-03	06/02/11 10:28	1,070.00	1.00
Blank	1F01024-BLK1	06/02/11 10:28	1,000.00	1.00
LCS	1F01024-BS1	06/02/11 10:28	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Batch: 1F06016 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0103	1106013-01	06/06/11 15:40	1,046.00	1.00
GW0104	1106013-03	06/06/11 15:40	1,080.00	1.00
GW0089	1106026-01	06/06/11 15:40	1,060.00	1.00
GW0111	1106026-03	06/06/11 15:40	1,070.00	1.00
Blank	1F06016-BLK1	06/06/11 15:40	1,000.00	1.00
LCS	1F06016-BS1	06/06/11 15:40	1,000.00	1.00
LCS Dup	1F06016-BSD1	06/06/11 15:40	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Batch: 1F08012 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0090	1106048-01	06/08/11 15:25	1,040.00	1.00
GW0114	1106048-03	06/08/11 15:25	1,060.00	1.00
GW0114	1106048-03RE1	06/08/11 15:25	1,060.00	1.00
Blank	1F08012-BLK1	06/08/11 15:25	1,000.00	1.00
LCS	1F08012-BS1	06/08/11 15:25	1,000.00	1.00
LCS Dup	1F08012-BSD1	06/08/11 15:25	1,000.00	1.00

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
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_015
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_015
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_015
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_015
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_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	06/02/11
Instrument ID:	MS-BNA3	Injection Time:	14:43
Sequence:	1F15812	Lab Sample ID:	1F15812-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	49.4	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	51	PASS
70	Less than 2% of 69	0.665	PASS
127	40 - 60% of 198	54.5	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	5.75	PASS
275	10 - 30% of 198	20.9	PASS
365	1 - 200% of 198	1.54	PASS
441	0.001 - 100% of 443	81.4	PASS
442	40 - 200% of 198	41.7	PASS
443	17 - 23% of 442	18.4	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
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

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	06/18/11
Instrument ID:	MS-BNA3	Injection Time:	18:15
Sequence:	1F17103	Lab Sample ID:	1F17103-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	53.1	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	56.3	PASS
70	Less than 2% of 69	0.616	PASS
127	40 - 60% of 198	57.2	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.97	PASS
275	10 - 30% of 198	22.2	PASS
365	1 - 200% of 198	2.05	PASS
441	0.001 - 100% of 443	77.6	PASS
442	40 - 200% of 198	50.4	PASS
443	17 - 23% of 442	20.1	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	06/20/11
Instrument ID:	MS-BNA3	Injection Time:	16:49
Sequence:	1F17207	Lab Sample ID:	1F17207-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	53.1	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	56.9	PASS
70	Less than 2% of 69	0.512	PASS
127	40 - 60% of 198	57	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.73	PASS
275	10 - 30% of 198	25.5	PASS
365	1 - 200% of 198	2.91	PASS
441	0.001 - 100% of 443	72.8	PASS
442	40 - 200% of 198	59.1	PASS
443	17 - 23% of 442	20.4	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	06/22/11
Instrument ID:	MS-BNA3	Injection Time:	11:15
Sequence:	1F17308	Lab Sample ID:	1F17308-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	53.9	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	59.1	PASS
70	Less than 2% of 69	0.476	PASS
127	40 - 60% of 198	57.5	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.86	PASS
275	10 - 30% of 198	22.8	PASS
365	1 - 200% of 198	2.6	PASS
441	0.001 - 100% of 443	81.1	PASS
442	40 - 200% of 198	51.7	PASS
443	17 - 23% of 442	18	PASS

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
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_015
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_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F15812	Instrument:	MS-BNA3
Calibration:	1122001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1F15812-TUN1	SEQ-TUN1.D	06/02/11 14:43
Calibration Check	1F15812-CCV1	SEQ-CCV1.D	06/02/11 15:44
Blank	1F01024-BLK1	F01024B1.D	06/02/11 17:59
LCS	1F01024-BS1	F01024L1.D	06/02/11 19:09

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
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
GW0100	1106002-01	0600201.D	06/06/11 21:08
GW0101	1106002-03	0600203.D	06/06/11 21:37

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F17103	Instrument:	MS-BNA3
Calibration:	1122001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1F17103-TUN1	SEQ-TUN1.D	06/18/11 18:15
Calibration Check	1F17103-CCV1	SEQ-CCV1.D	06/18/11 18:42
Blank	1F06016-BLK1	F06016B1.D	06/18/11 19:58
LCS	1F06016-BS1	F06016L1.D	06/18/11 21:07
LCS Dup	1F06016-BSD1	F06016L2.D	06/18/11 21:42
GW0103	1106013-01	0601301.D	06/19/11 03:37
GW0104	1106013-03	0601303.D	06/19/11 04:12

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F17207	Instrument:	MS-BNA3
Calibration:	1122001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1F17207-TUN1	SEQ-TUN1.D	06/20/11 16:49
Calibration Check	1F17207-CCV1	SEQ-CCV1.D	06/20/11 17:17
Blank	1F08012-BLK1	F06016B1.D	06/20/11 18:46
LCS	1F08012-BS1	F06016L1.D	06/20/11 19:22
LCS Dup	1F08012-BSD1	F06016L2.D	06/20/11 19:57
GW0090	1106048-01	0604801.D	06/20/11 20:31
GW0114	1106048-03	0604803.D	06/20/11 21:05
GW0089	1106026-01	0602601.D	06/21/11 00:41
GW0111	1106026-03	0602603.D	06/21/11 01:18

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F17308	Instrument:	MS-BNA3
Calibration:	1122001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1F17308-TUN1	SEQ-TUN1.D	06/22/11 11:15
Calibration Check	1F17308-CCV1	SEQ-CCV1.D	06/22/11 11:41
GW0114	1106048-03RE1	0604803D.D	06/22/11 16:29

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F15812	Instrument:	MS-BNA3
		Calibration:	1122001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1F15812-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 06/02/11 15:44			
1,4-Dichlorobenzene-d4	305198	6.05	564644	6.39	54	50 - 200	-0.3400	+/-0.50	
Naphthalene-d8	1141586	7.701	1974331	8.03	58	50 - 200	-0.3290	+/-0.50	
Acenaphthene-d10	650090	9.918	1113173	10.253	58	50 - 200	-0.3350	+/-0.50	
Phenanthrene-d10	1127181	11.761	1849431	12.096	61	50 - 200	-0.3350	+/-0.50	
Chrysene-d12	1167933	15.783	2020225	16.268	58	50 - 200	-0.4850	+/-0.50	
Perylene-d12	1136589	18.487	1927021	19.014	59	50 - 200	-0.5270	+/-0.50	
Blank (1F01024-BLK1)			Lab File ID: F01024B1.D			Analyzed: 06/02/11 17:59			
1,4-Dichlorobenzene-d4	246799	6.052	305198	6.05	81	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	901276	7.692	1141586	7.701	79	50 - 200	-0.0090	+/-0.50	
Acenaphthene-d10	506977	9.909	650090	9.918	78	50 - 200	-0.0090	+/-0.50	
Phenanthrene-d10	906542	11.752	1127181	11.761	80	50 - 200	-0.0090	+/-0.50	
Chrysene-d12	941814	15.769	1167933	15.783	81	50 - 200	-0.0140	+/-0.50	
Perylene-d12	916423	18.478	1136589	18.487	81	50 - 200	-0.0090	+/-0.50	
LCS (1F01024-BS1)			Lab File ID: F01024L1.D			Analyzed: 06/02/11 19:09			
1,4-Dichlorobenzene-d4	271424	6.052	305198	6.05	89	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	1018529	7.697	1141586	7.701	89	50 - 200	-0.0040	+/-0.50	
Acenaphthene-d10	572874	9.914	650090	9.918	88	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	1046297	11.757	1127181	11.761	93	50 - 200	-0.0040	+/-0.50	
Chrysene-d12	1068221	15.78	1167933	15.783	91	50 - 200	-0.0030	+/-0.50	
Perylene-d12	1013739	18.483	1136589	18.487	89	50 - 200	-0.0040	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
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	
GW0100 (1106002-01)			Lab File ID: 0600201.D			Analyzed: 06/06/11 21:08			
1,4-Dichlorobenzene-d4	334872	5.336	382818	5.34	87	50 - 200	-0.0040	+/-0.50	
Naphthalene-d8	1294663	6.836	1305428	6.827	99	50 - 200	0.0090	+/-0.50	
Acenaphthene-d10	542212	8.934	653811	8.933	83	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	910498	10.717	1172509	10.715	78	50 - 200	0.0020	+/-0.50	
Chrysene-d12	788419	13.899	833168	13.908	95	50 - 200	-0.0090	+/-0.50	
Perylene-d12	476822	15.553	510043	15.553	93	50 - 200	0.0000	+/-0.50	
GW0101 (1106002-03)			Lab File ID: 0600203.D			Analyzed: 06/06/11 21:37			
1,4-Dichlorobenzene-d4	430483	5.336	382818	5.34	112	50 - 200	-0.0040	+/-0.50	
Naphthalene-d8	1535580	6.826	1305428	6.827	118	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	823638	8.927	653811	8.933	126	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	1341176	10.712	1172509	10.715	114	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	974993	13.894	833168	13.908	117	50 - 200	-0.0140	+/-0.50	
Perylene-d12	565248	15.549	510043	15.553	111	50 - 200	-0.0040	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F17103	Instrument:	MS-BNA3
		Calibration:	1122001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1F17103-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 06/18/11 18:42			
1,4-Dichlorobenzene-d4	587710	5.894	564644	6.39	104	50 - 200	-0.4960	+/-0.50	
Naphthalene-d8	2083982	7.54	1974331	8.03	106	50 - 200	-0.4900	+/-0.50	
Acenaphthene-d10	1155779	9.757	1113173	10.253	104	50 - 200	-0.4960	+/-0.50	
Phenanthrene-d10	2061291	11.594	1849431	12.096	111	50 - 200	-0.5020	+/-0.50	
Chrysene-d12	2150613	15.558	2020225	16.268	106	50 - 200	-0.7100	+/-0.50	
Perylene-d12	2002525	18.235	1927021	19.014	104	50 - 200	-0.7790	+/-0.50	
Blank (1F06016-BLK1)			Lab File ID: F06016B1.D			Analyzed: 06/18/11 19:58			
1,4-Dichlorobenzene-d4	809094	5.885	587710	5.894	138	50 - 200	-0.0090	+/-0.50	
Naphthalene-d8	2864113	7.53	2083982	7.54	137	50 - 200	-0.0100	+/-0.50	
Acenaphthene-d10	1654073	9.747	1155779	9.757	143	50 - 200	-0.0100	+/-0.50	
Phenanthrene-d10	2866131	11.585	2061291	11.594	139	50 - 200	-0.0090	+/-0.50	
Chrysene-d12	3090646	15.538	2150613	15.558	144	50 - 200	-0.0200	+/-0.50	
Perylene-d12	3082585	18.23	2002525	18.235	154	50 - 200	-0.0050	+/-0.50	
LCS (1F06016-BS1)			Lab File ID: F06016L1.D			Analyzed: 06/18/11 21:07			
1,4-Dichlorobenzene-d4	968298	5.896	587710	5.894	165	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	3317436	7.547	2083982	7.54	159	50 - 200	0.0070	+/-0.50	
Acenaphthene-d10	1947435	9.764	1155779	9.757	168	50 - 200	0.0070	+/-0.50	
Phenanthrene-d10	3408630	11.601	2061291	11.594	165	50 - 200	0.0070	+/-0.50	
Chrysene-d12	3568446	15.576	2150613	15.558	166	50 - 200	0.0180	+/-0.50	
Perylene-d12	3075848	18.252	2002525	18.235	154	50 - 200	0.0170	+/-0.50	
LCS Dup (1F06016-BSD1)			Lab File ID: F06016L2.D			Analyzed: 06/18/11 21:42			
1,4-Dichlorobenzene-d4	1009061	5.908	587710	5.894	172	50 - 200	0.0140	+/-0.50	
Naphthalene-d8	3520877	7.553	2083982	7.54	169	50 - 200	0.0130	+/-0.50	
Acenaphthene-d10	1957651	9.77	1155779	9.757	169	50 - 200	0.0130	+/-0.50	
Phenanthrene-d10	3424700	11.608	2061291	11.594	166	50 - 200	0.0140	+/-0.50	
Chrysene-d12	3514410	15.583	2150613	15.558	163	50 - 200	0.0250	+/-0.50	
Perylene-d12	3101786	18.264	2002525	18.235	155	50 - 200	0.0290	+/-0.50	
GW0103 (1106013-01)			Lab File ID: 0601301.D			Analyzed: 06/19/11 03:37			
1,4-Dichlorobenzene-d4	734856	5.895	587710	5.894	125	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	2727792	7.54	2083982	7.54	131	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1585841	9.757	1155779	9.757	137	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	2775084	11.6	2061291	11.594	135	50 - 200	0.0060	+/-0.50	
Chrysene-d12	2909183	15.559	2150613	15.558	135	50 - 200	0.0010	+/-0.50	
Perylene-d12	2701564	18.257	2002525	18.235	135	50 - 200	0.0220	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F17103	Instrument:	MS-BNA3
		Calibration:	1122001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0104 (1106013-03)			Lab File ID: 0601303.D			Analyzed: 06/19/11 04:12			
1,4-Dichlorobenzene-d4	712847	5.892	587710	5.894	121	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	2683989	7.537	2083982	7.54	129	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	1617439	9.754	1155779	9.757	140	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	2929588	11.597	2061291	11.594	142	50 - 200	0.0030	+/-0.50	
Chrysene-d12	3018990	15.556	2150613	15.558	140	50 - 200	-0.0020	+/-0.50	
Perylene-d12	2819302	18.253	2002525	18.235	141	50 - 200	0.0180	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F17207	Instrument:	MS-BNA3
		Calibration:	1122001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1F17207-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 06/20/11 17:17			
1,4-Dichlorobenzene-d4	680358	5.874	564644	6.39	120	50 - 200	-0.5160	+/-0.50	
Naphthalene-d8	2378147	7.519	1974331	8.03	120	50 - 200	-0.5110	+/-0.50	
Acenaphthene-d10	1329367	9.741	1113173	10.253	119	50 - 200	-0.5120	+/-0.50	
Phenanthrene-d10	2393477	11.579	1849431	12.096	129	50 - 200	-0.5170	+/-0.50	
Chrysene-d12	2512983	15.532	2020225	16.268	124	50 - 200	-0.7360	+/-0.50	
Perylene-d12	2201455	18.209	1927021	19.014	114	50 - 200	-0.8050	+/-0.50	
Blank (1F08012-BLK1)			Lab File ID: F06016B1.D			Analyzed: 06/20/11 18:46			
1,4-Dichlorobenzene-d4	664891	5.857	680358	5.874	98	50 - 200	-0.0170	+/-0.50	
Naphthalene-d8	2437775	7.503	2378147	7.519	103	50 - 200	-0.0160	+/-0.50	
Acenaphthene-d10	1383683	9.72	1329367	9.741	104	50 - 200	-0.0210	+/-0.50	
Phenanthrene-d10	2418624	11.557	2393477	11.579	101	50 - 200	-0.0220	+/-0.50	
Chrysene-d12	2533640	15.5	2512983	15.532	101	50 - 200	-0.0320	+/-0.50	
Perylene-d12	2500144	18.182	2201455	18.209	114	50 - 200	-0.0270	+/-0.50	
LCS (1F08012-BS1)			Lab File ID: F06016L1.D			Analyzed: 06/20/11 19:22			
1,4-Dichlorobenzene-d4	640036	5.859	680358	5.874	94	50 - 200	-0.0150	+/-0.50	
Naphthalene-d8	2311014	7.505	2378147	7.519	97	50 - 200	-0.0140	+/-0.50	
Acenaphthene-d10	1319038	9.722	1329367	9.741	99	50 - 200	-0.0190	+/-0.50	
Phenanthrene-d10	2390876	11.559	2393477	11.579	100	50 - 200	-0.0200	+/-0.50	
Chrysene-d12	2508971	15.507	2512983	15.532	100	50 - 200	-0.0250	+/-0.50	
Perylene-d12	2198303	18.178	2201455	18.209	100	50 - 200	-0.0310	+/-0.50	
LCS Dup (1F08012-BSD1)			Lab File ID: F06016L2.D			Analyzed: 06/20/11 19:57			
1,4-Dichlorobenzene-d4	729234	5.872	680358	5.874	107	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	2576742	7.518	2378147	7.519	108	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	1457509	9.735	1329367	9.741	110	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	2425447	11.573	2393477	11.579	101	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	2429344	15.531	2512983	15.532	97	50 - 200	-0.0010	+/-0.50	
Perylene-d12	2246130	18.207	2201455	18.209	102	50 - 200	-0.0020	+/-0.50	
GW0090 (1106048-01)			Lab File ID: 0604801.D			Analyzed: 06/20/11 20:31			
1,4-Dichlorobenzene-d4	669768	5.858	680358	5.874	98	50 - 200	-0.0160	+/-0.50	
Naphthalene-d8	2313084	7.498	2378147	7.519	97	50 - 200	-0.0210	+/-0.50	
Acenaphthene-d10	1352069	9.715	1329367	9.741	102	50 - 200	-0.0260	+/-0.50	
Phenanthrene-d10	2455706	11.552	2393477	11.579	103	50 - 200	-0.0270	+/-0.50	
Chrysene-d12	2399628	15.489	2512983	15.532	95	50 - 200	-0.0430	+/-0.50	
Perylene-d12	2365126	18.177	2201455	18.209	107	50 - 200	-0.0320	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F17207	Instrument:	MS-BNA3
		Calibration:	1122001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0114 (1106048-03)			Lab File ID: 0604803.D			Analyzed: 06/20/11 21:05			
1,4-Dichlorobenzene-d4	610824	5.866	680358	5.874	90	50 - 200	-0.0080	+/-0.50	
Naphthalene-d8	2294933	7.523	2378147	7.519	97	50 - 200	0.0040	+/-0.50	
Acenaphthene-d10	1198511	9.734	1329367	9.741	90	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	2118592	11.567	2393477	11.579	89	50 - 200	-0.0120	+/-0.50	
Chrysene-d12	1971900	15.504	2512983	15.532	78	50 - 200	-0.0280	+/-0.50	
Perylene-d12	1835873	18.185	2201455	18.209	83	50 - 200	-0.0240	+/-0.50	
GW0089 (1106026-01)			Lab File ID: 0602601.D			Analyzed: 06/21/11 00:41			
1,4-Dichlorobenzene-d4	878280	5.86	680358	5.874	129	50 - 200	-0.0140	+/-0.50	
Naphthalene-d8	3170376	7.505	2378147	7.519	133	50 - 200	-0.0140	+/-0.50	
Acenaphthene-d10	1853604	9.722	1329367	9.741	139	50 - 200	-0.0190	+/-0.50	
Phenanthrene-d10	3211497	11.56	2393477	11.579	134	50 - 200	-0.0190	+/-0.50	
Chrysene-d12	3344340	15.503	2512983	15.532	133	50 - 200	-0.0290	+/-0.50	
Perylene-d12	3113208	18.19	2201455	18.209	141	50 - 200	-0.0190	+/-0.50	
GW0111 (1106026-03)			Lab File ID: 0602603.D			Analyzed: 06/21/11 01:18			
1,4-Dichlorobenzene-d4	656902	5.854	680358	5.874	97	50 - 200	-0.0200	+/-0.50	
Naphthalene-d8	2427460	7.499	2378147	7.519	102	50 - 200	-0.0200	+/-0.50	
Acenaphthene-d10	1395258	9.722	1329367	9.741	105	50 - 200	-0.0190	+/-0.50	
Phenanthrene-d10	2336733	11.554	2393477	11.579	98	50 - 200	-0.0250	+/-0.50	
Chrysene-d12	2452526	15.496	2512983	15.532	98	50 - 200	-0.0360	+/-0.50	
Perylene-d12	2282405	18.184	2201455	18.209	104	50 - 200	-0.0250	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F17308	Instrument:	MS-BNA3
		Calibration:	1122001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1F17308-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 06/22/11 11:41			
1,4-Dichlorobenzene-d4	742889	5.83	564644	6.39	132	50 - 200	-0.5600	+/-0.50	
Naphthalene-d8	2584890	7.481	1974331	8.03	131	50 - 200	-0.5490	+/-0.50	
Acenaphthene-d10	1463496	9.698	1113173	10.253	131	50 - 200	-0.5550	+/-0.50	
Phenanthrene-d10	2584296	11.535	1849431	12.096	140	50 - 200	-0.5610	+/-0.50	
Chrysene-d12	2776630	15.472	2020225	16.268	137	50 - 200	-0.7960	+/-0.50	
Perylene-d12	2420728	18.138	1927021	19.014	126	50 - 200	-0.8760	+/-0.50	
GW0114 (1106048-03RE1)			Lab File ID: 0604803D.D			Analyzed: 06/22/11 16:29			
1,4-Dichlorobenzene-d4	713161	5.825	742889	5.83	96	50 - 200	-0.0050	+/-0.50	
Naphthalene-d8	2511244	7.47	2584890	7.481	97	50 - 200	-0.0110	+/-0.50	
Acenaphthene-d10	1376493	9.687	1463496	9.698	94	50 - 200	-0.0110	+/-0.50	
Phenanthrene-d10	2613601	11.52	2584296	11.535	101	50 - 200	-0.0150	+/-0.50	
Chrysene-d12	2633833	15.441	2776630	15.472	95	50 - 200	-0.0310	+/-0.50	
Perylene-d12	2559236	18.123	2420728	18.138	106	50 - 200	-0.0150	+/-0.50	

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
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_015
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_015
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_015
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_015
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_015
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_015
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_015
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_015
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_015
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_015
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_015	
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_015
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_015
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_015
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_015
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_015
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_015
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_015
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_015	
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_015
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_015
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_015
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_015	
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_015
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_015
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_015
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_015
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_015
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_015
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_015
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_015
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_015
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_015
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_015
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_015
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_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1F15812	Injection Date:	06/02/11
Lab Sample ID:	1F15812-CCV1	Injection Time:	15:44

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	53.79	1.110356	1.19452		7.6	20
Acenaphthylene	A	50.00	54.52	1.725208	1.881117		9.0	20
Acetophenone	A	50.00	52.21	1.801986	1.881619		4.4	20
Anthracene	A	50.00	52.84	1.092671	1.154865		5.7	20
Atrazine	A	50.00	45.23	0.2344682	0.212093		-9.5	20
Benzaldehyde	A	50.00	43.09	1.010105	0.8705352		-13.8	20
Benzidine	A	50.00	64.27	0.641297	0.8243665		28.5	20 *
Benzo(a)anthracene	A	50.00	53.42	1.119297	1.195882		6.8	20
Benzo(a)pyrene	A	50.00	57.31	1.045862	1.198738		14.6	20
Benzo(b)fluoranthene	A	50.00	57.81	1.093698	1.26461		15.6	20
Benzo(g,h,i)perylene	A	50.00	51.81	1.033139	1.070582		3.6	20
Benzoic acid	A	50.00	40.01	0.2679395	0.2144196		-20.0	20
Benzo(k)fluoranthene	A	50.00	58.28	1.107729	1.291095		16.6	20
1,1-Biphenyl	A	50.00	50.92	1.444453	1.471149		1.8	20
4-Bromophenyl-phenylether	A	50.00	50.41	0.2284778	0.230341		0.8	20
Butylbenzylphthalate	A	50.00	53.92	0.5129818	0.5532002		7.8	20
Caprolactam	A	50.00	48.88	0.1128421	0.1103069		-2.2	20
Carbazole	A	50.00	49.39	1.044381	1.03159		-1.2	20
4-Chloro-3-methylphenol	A	50.00	50.65	0.3113523	0.3153914		1.3	20
4-Chloroaniline	A	50.00	52.40	0.4225325	0.4427987		4.8	20
Bis(2-chloroethoxy)methane	A	50.00	50.86	0.4269873	0.4343676		1.7	20
Bis(2-chloroethyl)ether	A	50.00	54.24	1.297842	1.407834		8.5	20
2,2'-Oxybis-1-chloropropane	A	50.00	48.30	1.947114	1.880869		-3.4	20
2-Chloronaphthalene	A	50.00	55.27	1.087766	1.202519		10.5	20
2-Chlorophenol	A	50.00	53.60	1.315004	1.409807		7.2	20
4-Chlorophenyl phenyl ether	A	50.00	53.80	0.6233489	0.670776		7.6	20
Chrysene	A	50.00	53.81	1.047865	1.1277		7.6	20
Dibenz(a,h)anthracene	A	50.00	52.79	1.004478	1.060546		5.6	20
Dibenzofuran	A	50.00	52.72	1.535116	1.618668		5.4	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1F15812	Injection Date:	06/02/11
Lab Sample ID:	1F15812-CCV1	Injection Time:	15:44

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Di-n-butylphthalate	A	50.00	52.98	1.182012	1.25238		6.0	20
3,3'-Dichlorobenzidine	A	50.00	59.68	0.4067228	0.4854778		19.4	20
2,4-Dichlorophenol	A	50.00	49.23	0.3046728	0.2999897		-1.5	20
Diethylphthalate	A	50.00	55.50	1.194731	1.326215		11.0	20
2,4-Dimethylphenol	A	50.00	49.77	0.3636609	0.3619652		-0.5	20
Dimethyl phthalate	A	50.00	52.44	1.244441	1.305064		4.9	20
4,6-Dinitro-2-methylphenol	A	50.00	51.76	0.1454148	0.1505192		3.5	20
2,4-Dinitrophenol	A	50.00	50.84	0.1854397	0.1885364	0.05	1.7	20
2,4-Dinitrotoluene	A	50.00	52.18	0.3929838	0.4101426		4.4	20
2,6-Dinitrotoluene	A	50.00	52.73	0.2991862	0.3155342		5.5	20
Di-n-octylphthalate	A	50.00	56.24	1.204345	1.354562		12.5	20
1,2-Diphenylhydrazine	A	50.00	47.57	0.8507103	0.8093046		-4.9	20
Bis(2-ethylhexyl)phthalate	A	50.00	54.82	0.6793074	0.7447804		9.6	20
Fluoranthene	A	50.00	50.87	1.233837	1.25538		1.7	20
Fluorene	A	50.00	51.02	1.337519	1.364694		2.0	20
Hexachlorobenzene	A	50.00	51.47	0.244362	0.2515436		2.9	20
Hexachlorobutadiene	A	50.00	52.10	0.1868569	0.194694		4.2	20
Hexachlorocyclopentadiene	A	50.00	49.73	0.374975	0.3729576	0.05	-0.5	20
Hexachloroethane	A	50.00	52.93	0.5464632	0.5785228		5.9	20
Indeno(1,2,3-cd)pyrene	A	50.00	48.12	1.038008	0.9989215		-3.8	20
Isophorone	A	50.00	48.11	0.7442763	0.71617		-3.8	20
1-Methylnaphthalene	A	50.00	51.54	0.5872691	0.6053151		3.1	20
2-Methylnaphthalene	A	50.00	50.99	0.5974192	0.6092233		2.0	20
2-Methylphenol	A	50.00	51.60	1.208635	1.247264		3.2	20
3+4-Methylphenol	A	50.00	51.48	1.268409	1.305843		3.0	20
4-Nitroaniline	A	50.00	51.02	0.3272887	0.3340005		2.1	20
3-Nitroaniline	A	50.00	53.66	0.3230815	0.3467434		7.3	20
2-Nitroaniline	A	50.00	59.91	0.3700237	0.4433934		19.8	20
Nitrobenzene	A	50.00	49.38	0.4107927	0.4056798		-1.2	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1F15812	Injection Date:	06/02/11
Lab Sample ID:	1F15812-CCV1	Injection Time:	15:44

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Nitrophenol	A	50.00	47.60	0.2721678	0.2590952	0.05	-4.8	20
2-Nitrophenol	A	50.00	51.11	0.1941449	0.1984467		2.2	20
N-Nitrosodiphenylamine	A	50.00	50.54	0.6728889	0.6801513		1.1	20
N-Nitroso-di-n-propylamine	A	50.00	51.66	1.033966	1.068329	0.05	3.3	20
Pentachlorophenol	A	50.00	48.72	0.1623094	0.1581652		-2.6	20
Phenanthrene	A	50.00	52.10	1.075866	1.121057		4.2	20
Phenol	A	50.00	51.94	1.687698	1.753338		3.9	20
Pyrene	A	50.00	52.54	1.163766	1.22291		5.1	20
2,4,6-Trichlorophenol	A	50.00	54.62	0.382004	0.4173121		9.2	20
2,4,5-Trichlorophenol	A	50.00	52.89	0.4142645	0.4382347		5.8	20
2-Fluorobiphenyl	A	50.00	50.96	1.265417	1.289739		1.9	20
2-Fluorophenol	A	100.0	99.05	1.142171	1.131352		-0.9	20
Nitrobenzene-d5	A	50.00	47.03	0.4075494	0.3833614		-5.9	20
Phenol-d6	A	100.0	103.2	1.572986	1.623244		3.2	20
Terphenyl-d14	A	50.00	52.01	0.7462196	0.7762116		4.0	20
2,4,6-Tribromophenol	A	100.0	108.8	0.109869	0.1195581		8.8	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_015
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_015
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_015
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

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1F17103	Injection Date:	06/18/11
Lab Sample ID:	1F17103-CCV1	Injection Time:	18:42

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	53.82	1.110356	1.195092		7.6	20
Acenaphthylene	A	50.00	54.05	1.725208	1.864968		8.1	20
Acetophenone	A	50.00	51.34	1.801986	1.850151		2.7	20
Anthracene	A	50.00	51.85	1.092671	1.133067		3.7	20
Atrazine	A	50.00	48.86	0.2344682	0.229143		-2.3	20
Benzaldehyde	A	50.00	32.59	1.010105	0.6584077		-34.8	20 *
Benzidine	A	50.00	56.42	0.641297	0.723672		12.8	20
Benzo(a)anthracene	A	50.00	54.31	1.119297	1.215804		8.6	20
Benzo(a)pyrene	A	50.00	56.84	1.045862	1.188985		13.7	20
Benzo(b)fluoranthene	A	50.00	63.78	1.093698	1.395162		27.6	20 *
Benzo(g,h,i)perylene	A	50.00	51.37	1.033139	1.061388		2.7	20
Benzoic acid	A	50.00	49.70	0.2679395	0.2663478		-0.6	20
Benzo(k)fluoranthene	A	50.00	54.12	1.107729	1.198973		8.2	20
1,1-Biphenyl	A	50.00	52.42	1.444453	1.514275		4.8	20
4-Bromophenyl-phenylether	A	50.00	50.59	0.2284778	0.2311949		1.2	20
Butylbenzylphthalate	A	50.00	53.61	0.5129818	0.5500586		7.2	20
Caprolactam	A	50.00	52.38	0.1128421	0.118221		4.8	20
Carbazole	A	50.00	48.92	1.044381	1.021757		-2.2	20
4-Chloro-3-methylphenol	A	50.00	51.35	0.3113523	0.3197287		2.7	20
4-Chloroaniline	A	50.00	53.36	0.4225325	0.4509049		6.7	20
Bis(2-chloroethoxy)methane	A	50.00	51.78	0.4269873	0.4422027		3.6	20
Bis(2-chloroethyl)ether	A	50.00	50.28	1.297842	1.305045		0.6	20
2,2'-Oxybis-1-chloropropane	A	50.00	49.23	1.947114	1.917238		-1.5	20
2-Chloronaphthalene	A	50.00	56.57	1.087766	1.230603		13.1	20
2-Chlorophenol	A	50.00	51.12	1.315004	1.344392		2.2	20
4-Chlorophenyl phenyl ether	A	50.00	54.96	0.6233489	0.6851843		9.9	20
Chrysene	A	50.00	51.75	1.047865	1.084566		3.5	20
Dibenz(a,h)anthracene	A	50.00	52.09	1.004478	1.046378		4.2	20
Dibenzofuran	A	50.00	52.23	1.535116	1.603434		4.5	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1F17103	Injection Date:	06/18/11
Lab Sample ID:	1F17103-CCV1	Injection Time:	18:42

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Di-n-butylphthalate	A	50.00	51.91	1.182012	1.227276		3.8	20
3,3'-Dichlorobenzidine	A	50.00	63.92	0.4067228	0.5199816		27.8	20 *
2,4-Dichlorophenol	A	50.00	50.95	0.3046728	0.3104438		1.9	20
Diethylphthalate	A	50.00	56.02	1.194731	1.338668		12.0	20
2,4-Dimethylphenol	A	50.00	51.68	0.3636609	0.3758716		3.4	20
Dimethyl phthalate	A	50.00	52.84	1.244441	1.315065		5.7	20
4,6-Dinitro-2-methylphenol	A	50.00	52.84	0.1454148	0.1536773		5.7	20
2,4-Dinitrophenol	A	50.00	58.94	0.1854397	0.218592	0.05	17.9	20
2,4-Dinitrotoluene	A	50.00	54.28	0.3929838	0.426647		8.6	20
2,6-Dinitrotoluene	A	50.00	53.69	0.2991862	0.3212711		7.4	20
Di-n-octylphthalate	A	50.00	57.80	1.204345	1.392331		15.6	20
1,2-Diphenylhydrazine	A	50.00	48.36	0.8507103	0.8228047		-3.3	20
Bis(2-ethylhexyl)phthalate	A	50.00	53.79	0.6793074	0.7308194		7.6	20
Fluoranthene	A	50.00	50.53	1.233837	1.246958		1.1	20
Fluorene	A	50.00	52.95	1.337519	1.416305		5.9	20
Hexachlorobenzene	A	50.00	51.26	0.244362	0.2505183		2.5	20
Hexachlorobutadiene	A	50.00	54.22	0.1868569	0.2026121		8.4	20
Hexachlorocyclopentadiene	A	50.00	57.37	0.374975	0.4302705	0.05	14.7	20
Hexachloroethane	A	50.00	53.33	0.5464632	0.5829038		6.7	20
Indeno(1,2,3-cd)pyrene	A	50.00	53.66	1.038008	1.11406		7.3	20
Isophorone	A	50.00	48.85	0.7442763	0.7271867		-2.3	20
1-Methylnaphthalene	A	50.00	51.39	0.5872691	0.603616		2.8	20
2-Methylnaphthalene	A	50.00	51.25	0.5974192	0.6124057		2.5	20
2-Methylphenol	A	50.00	49.83	1.208635	1.204485		-0.3	20
3+4-Methylphenol	A	50.00	50.07	1.268409	1.2701		0.1	20
4-Nitroaniline	A	50.00	53.04	0.3272887	0.3471736		6.1	20
3-Nitroaniline	A	50.00	54.09	0.3230815	0.3494834		8.2	20
2-Nitroaniline	A	50.00	65.93	0.3700237	0.4879445		31.9	20 *
Nitrobenzene	A	50.00	51.12	0.4107927	0.4199656		2.2	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1F17103	Injection Date:	06/18/11
Lab Sample ID:	1F17103-CCV1	Injection Time:	18:42

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Nitrophenol	A	50.00	56.21	0.2721678	0.3059692	0.05	12.4	20
2-Nitrophenol	A	50.00	53.45	0.1941449	0.2075584		6.9	20
N-Nitrosodiphenylamine	A	50.00	49.29	0.6728889	0.6633458		-1.4	20
N-Nitroso-di-n-propylamine	A	50.00	50.49	1.033966	1.044071	0.05	1.0	20
Pentachlorophenol	A	50.00	51.12	0.1623094	0.1659321		2.2	20
Phenanthrene	A	50.00	51.58	1.075866	1.109834		3.2	20
Phenol	A	50.00	53.16	1.687698	1.794342		6.3	20
Pyrene	A	50.00	51.83	1.163766	1.206339		3.7	20
2,4,6-Trichlorophenol	A	50.00	55.00	0.382004	0.4202271		10.0	20
2,4,5-Trichlorophenol	A	50.00	56.17	0.4142645	0.4653713		12.3	20
2-Fluorobiphenyl	A	50.00	51.94	1.265417	1.314617		3.9	20
2-Fluorophenol	A	100.0	96.89	1.142171	1.106675		-3.1	20
Nitrobenzene-d5	A	50.00	49.01	0.4075494	0.3994875		-2.0	20
Phenol-d6	A	100.0	97.68	1.572986	1.536526		-2.3	20
Terphenyl-d14	A	50.00	51.52	0.7462196	0.7688736		3.0	20
2,4,6-Tribromophenol	A	100.0	110.8	0.109869	0.1217732		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

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1F17207	Injection Date:	06/20/11
Lab Sample ID:	1F17207-CCV1	Injection Time:	17:17

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	54.41	1.110356	1.208285		8.8	20
Acenaphthylene	A	50.00	54.70	1.725208	1.887402		9.4	20
Acetophenone	A	50.00	52.61	1.801986	1.895918		5.2	20
Anthracene	A	50.00	51.84	1.092671	1.132937		3.7	20
Atrazine	A	50.00	48.52	0.2344682	0.2275311		-3.0	20
Benzaldehyde	A	50.00	23.76	1.010105	0.4799332		-52.5	20 *
Benzidine	A	50.00	54.00	0.641297	0.6925554		8.0	20
Benzo(a)anthracene	A	50.00	54.61	1.119297	1.222469		9.2	20
Benzo(a)pyrene	A	50.00	56.93	1.045862	1.190772		13.9	20
Benzo(b)fluoranthene	A	50.00	71.91	1.093698	1.572871		43.8	20 *
Benzo(g,h,i)perylene	A	50.00	49.63	1.033139	1.025427		-0.7	20
Benzoic acid	A	50.00	52.99	0.2679395	0.283936		6.0	20
Benzo(k)fluoranthene	A	50.00	50.85	1.107729	1.126486		1.7	20
1,1-Biphenyl	A	50.00	53.54	1.444453	1.546583		7.1	20
4-Bromophenyl-phenylether	A	50.00	51.17	0.2284778	0.2338369		2.3	20
Butylbenzylphthalate	A	50.00	53.55	0.5129818	0.5493694		7.1	20
Caprolactam	A	50.00	52.10	0.1128421	0.1175719		4.2	20
Carbazole	A	50.00	47.86	1.044381	0.9997603		-4.3	20
4-Chloro-3-methylphenol	A	50.00	52.90	0.3113523	0.3294205		5.8	20
4-Chloroaniline	A	50.00	55.56	0.4225325	0.4695518		11.1	20
Bis(2-chloroethoxy)methane	A	50.00	51.66	0.4269873	0.4411219		3.3	20
Bis(2-chloroethyl)ether	A	50.00	50.89	1.297842	1.320856		1.8	20
2,2'-Oxybis-1-chloropropane	A	50.00	49.11	1.947114	1.912554		-1.8	20
2-Chloronaphthalene	A	50.00	71.66	1.087766	1.559042		43.3	20 *
2-Chlorophenol	A	50.00	51.11	1.315004	1.344185		2.2	20
4-Chlorophenyl phenyl ether	A	50.00	57.44	0.6233489	0.7160617		14.9	20
Chrysene	A	50.00	50.55	1.047865	1.059416		1.1	20
Dibenz(a,h)anthracene	A	50.00	52.59	1.004478	1.056522		5.2	20
Dibenzofuran	A	50.00	53.32	1.535116	1.637064		6.6	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1F17207	Injection Date:	06/20/11
Lab Sample ID:	1F17207-CCV1	Injection Time:	17:17

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Di-n-butylphthalate	A	50.00	52.35	1.182012	1.237678		4.7	20
3,3'-Dichlorobenzidine	A	50.00	64.66	0.4067228	0.5259445		29.3	20 *
2,4-Dichlorophenol	A	50.00	50.86	0.3046728	0.3098924		1.7	20
Diethylphthalate	A	50.00	57.22	1.194731	1.367279		14.4	20
2,4-Dimethylphenol	A	50.00	52.60	0.3636609	0.3826065		5.2	20
Dimethyl phthalate	A	50.00	52.89	1.244441	1.316411		5.8	20
4,6-Dinitro-2-methylphenol	A	50.00	55.56	0.1454148	0.1615969		11.1	20
2,4-Dinitrophenol	A	50.00	63.18	0.1854397	0.2343064	0.05	26.4	20 *
2,4-Dinitrotoluene	A	50.00	55.54	0.3929838	0.4365368		11.1	20
2,6-Dinitrotoluene	A	50.00	53.50	0.2991862	0.3201048		7.0	20
Di-n-octylphthalate	A	50.00	61.09	1.204345	1.471461		22.2	20 *
1,2-Diphenylhydrazine	A	50.00	48.41	0.8507103	0.8237379		-3.2	20
Bis(2-ethylhexyl)phthalate	A	50.00	52.52	0.6793074	0.7135577		5.0	20
Fluoranthene	A	50.00	50.75	1.233837	1.252441		1.5	20
Fluorene	A	50.00	54.52	1.337519	1.458467		9.0	20
Hexachlorobenzene	A	50.00	51.00	0.244362	0.2492672		2.0	20
Hexachlorobutadiene	A	50.00	57.10	0.1868569	0.2133819		14.2	20
Hexachlorocyclopentadiene	A	50.00	61.22	0.374975	0.4590973	0.05	22.4	20 *
Hexachloroethane	A	50.00	54.70	0.5464632	0.5977994		9.4	20
Indeno(1,2,3-cd)pyrene	A	50.00	52.31	1.038008	1.085957		4.6	20
Isophorone	A	50.00	50.07	0.7442763	0.7453551		0.1	20
1-Methylnaphthalene	A	50.00	51.99	0.5872691	0.6105863		4.0	20
2-Methylnaphthalene	A	50.00	51.85	0.5974192	0.619526		3.7	20
2-Methylphenol	A	50.00	50.40	1.208635	1.218281		0.8	20
3+4-Methylphenol	A	50.00	50.29	1.268409	1.275868		0.6	20
4-Nitroaniline	A	50.00	53.13	0.3272887	0.3477842		6.3	20
3-Nitroaniline	A	50.00	53.55	0.3230815	0.3460149		7.1	20
2-Nitroaniline	A	50.00	68.56	0.3700237	0.5073741		37.1	20 *
Nitrobenzene	A	50.00	52.90	0.4107927	0.4345797		5.8	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1F17207	Injection Date:	06/20/11
Lab Sample ID:	1F17207-CCV1	Injection Time:	17:17

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Nitrophenol	A	50.00	67.79	0.2721678	0.3690256	0.05	35.6	20 *
2-Nitrophenol	A	50.00	53.95	0.1941449	0.2094633		7.9	20
N-Nitrosodiphenylamine	A	50.00	49.06	0.6728889	0.6602281		-1.9	20
N-Nitroso-di-n-propylamine	A	50.00	52.16	1.033966	1.07865	0.05	4.3	20
Pentachlorophenol	A	50.00	54.45	0.1623094	0.1767467		8.9	20
Phenanthrene	A	50.00	51.69	1.075866	1.11221		3.4	20
Phenol	A	50.00	54.44	1.687698	1.837442		8.9	20
Pyrene	A	50.00	50.40	1.163766	1.173106		0.8	20
2,4,6-Trichlorophenol	A	50.00	56.09	0.382004	0.4284963		12.2	20
2,4,5-Trichlorophenol	A	50.00	55.26	0.4142645	0.4578678		10.5	20
2-Fluorobiphenyl	A	50.00	51.76	1.265417	1.309853		3.5	20
2-Fluorophenol	A	100.0	99.20	1.142171	1.132979		-0.8	20
Nitrobenzene-d5	A	50.00	51.00	0.4075494	0.4157089		2.0	20
Phenol-d6	A	100.0	99.71	1.572986	1.568488		-0.3	20
Terphenyl-d14	A	50.00	52.18	0.7462196	0.7787067		4.4	20
2,4,6-Tribromophenol	A	100.0	111.2	0.109869	0.1222207		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_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1F17308	Injection Date:	06/22/11
Lab Sample ID:	1F17308-CCV1	Injection Time:	11:41

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	54.19	1.110356	1.203344		8.4	20
Acenaphthylene	A	50.00	54.03	1.725208	1.864327		8.1	20
Acetophenone	A	50.00	52.03	1.801986	1.875187		4.1	20
Anthracene	A	50.00	51.95	1.092671	1.135319		3.9	20
Atrazine	A	50.00	44.19	0.2344682	0.2072051		-11.6	20
Benzaldehyde	A	50.00	29.77	1.010105	0.601467		-40.5	20 *
Benzidine	A	50.00	57.37	0.641297	0.7358748		14.7	20
Benzo(a)anthracene	A	50.00	55.36	1.119297	1.239344		10.7	20
Benzo(a)pyrene	A	50.00	57.66	1.045862	1.205991		15.3	20
Benzo(b)fluoranthene	A	50.00	72.49	1.093698	1.585716		45.0	20 *
Benzo(g,h,i)perylene	A	50.00	51.94	1.033139	1.073199		3.9	20
Benzoic acid	A	50.00	59.20	0.2679395	0.3172393		18.4	20
Benzo(k)fluoranthene	A	50.00	50.60	1.107729	1.121133		1.2	20
1,1-Biphenyl	A	50.00	53.51	1.444453	1.545787		7.0	20
4-Bromophenyl-phenylether	A	50.00	52.44	0.2284778	0.2396116		4.9	20
Butylbenzylphthalate	A	50.00	52.27	0.5129818	0.5362967		4.5	20
Caprolactam	A	50.00	51.31	0.1128421	0.1157926		2.6	20
Carbazole	A	50.00	48.74	1.044381	1.018119		-2.5	20
4-Chloro-3-methylphenol	A	50.00	53.55	0.3113523	0.3334288		7.1	20
4-Chloroaniline	A	50.00	54.97	0.4225325	0.4645115		9.9	20
Bis(2-chloroethoxy)methane	A	50.00	51.22	0.4269873	0.4374075		2.4	20
Bis(2-chloroethyl)ether	A	50.00	50.29	1.297842	1.305346		0.6	20
2,2'-Oxybis-1-chloropropane	A	50.00	48.73	1.947114	1.897633		-2.5	20
2-Chloronaphthalene	A	50.00	66.00	1.087766	1.435837		32.0	20 *
2-Chlorophenol	A	50.00	51.42	1.315004	1.352221		2.8	20
4-Chlorophenyl phenyl ether	A	50.00	57.36	0.6233489	0.7150975		14.7	20
Chrysene	A	50.00	49.12	1.047865	1.029403		-1.8	20
Dibenz(a,h)anthracene	A	50.00	53.67	1.004478	1.078137		7.3	20
Dibenzofuran	A	50.00	53.31	1.535116	1.636816		6.6	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1F17308	Injection Date:	06/22/11
Lab Sample ID:	1F17308-CCV1	Injection Time:	11:41

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Di-n-butylphthalate	A	50.00	52.03	1.182012	1.230064		4.1	20	
3,3'-Dichlorobenzidine	A	50.00	66.49	0.4067228	0.5408729		33.0	20	*
2,4-Dichlorophenol	A	50.00	52.12	0.3046728	0.3176169		4.2	20	
Diethylphthalate	A	50.00	56.50	1.194731	1.35001		13.0	20	
2,4-Dimethylphenol	A	50.00	53.75	0.3636609	0.39097		7.5	20	
Dimethyl phthalate	A	50.00	52.51	1.244441	1.30699		5.0	20	
4,6-Dinitro-2-methylphenol	A	50.00	57.80	0.1454148	0.1681117		15.6	20	
2,4-Dinitrophenol	A	50.00	63.24	0.1854397	0.2345277	0.05	26.5	20	*
2,4-Dinitrotoluene	A	50.00	55.77	0.3929838	0.4383296		11.5	20	
2,6-Dinitrotoluene	A	50.00	53.07	0.2991862	0.3175301		6.1	20	
Di-n-octylphthalate	A	50.00	59.86	1.204345	1.441862		19.7	20	
1,2-Diphenylhydrazine	A	50.00	48.20	0.8507103	0.8200414		-3.6	20	
Bis(2-ethylhexyl)phthalate	A	50.00	52.03	0.6793074	0.7068373		4.1	20	
Fluoranthene	A	50.00	50.95	1.233837	1.257304		1.9	20	
Fluorene	A	50.00	54.90	1.337519	1.468572		9.8	20	
Hexachlorobenzene	A	50.00	52.42	0.244362	0.2561741		4.8	20	
Hexachlorobutadiene	A	50.00	56.47	0.1868569	0.2110518		12.9	20	
Hexachlorocyclopentadiene	A	50.00	60.67	0.374975	0.4550162	0.05	21.3	20	*
Hexachloroethane	A	50.00	55.19	0.5464632	0.6032029		10.4	20	
Indeno(1,2,3-cd)pyrene	A	50.00	54.47	1.038008	1.130848		8.9	20	
Isophorone	A	50.00	50.16	0.7442763	0.7467112		0.3	20	
1-Methylnaphthalene	A	50.00	51.93	0.5872691	0.6099487		3.9	20	
2-Methylnaphthalene	A	50.00	52.21	0.5974192	0.6238164		4.4	20	
2-Methylphenol	A	50.00	49.87	1.208635	1.205426		-0.3	20	
3+4-Methylphenol	A	50.00	50.76	1.268409	1.287624		1.5	20	
4-Nitroaniline	A	50.00	51.00	0.3272887	0.3338335		2.0	20	
3-Nitroaniline	A	50.00	52.82	0.3230815	0.3413334		5.6	20	
2-Nitroaniline	A	50.00	56.58	0.3700237	0.4186873		13.2	20	
Nitrobenzene	A	50.00	53.36	0.4107927	0.4383772		6.7	20	

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1F17308	Injection Date:	06/22/11
Lab Sample ID:	1F17308-CCV1	Injection Time:	11:41

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Nitrophenol	A	50.00	54.24	0.2721678	0.2952689	0.05	8.5	20
2-Nitrophenol	A	50.00	54.31	0.1941449	0.2108843		8.6	20
N-Nitrosodiphenylamine	A	50.00	50.06	0.6728889	0.6737371		0.1	20
N-Nitroso-di-n-propylamine	A	50.00	47.36	1.033966	0.9794497	0.05	-5.3	20
Pentachlorophenol	A	50.00	55.68	0.1623094	0.1807338		11.4	20
Phenanthrene	A	50.00	52.26	1.075866	1.124468		4.5	20
Phenol	A	50.00	54.67	1.687698	1.845361		9.3	20
Pyrene	A	50.00	49.35	1.163766	1.148625		-1.3	20
2,4,6-Trichlorophenol	A	50.00	55.37	0.382004	0.4230637		10.7	20
2,4,5-Trichlorophenol	A	50.00	55.65	0.4142645	0.4610423		11.3	20
2-Fluorobiphenyl	A	50.00	51.64	1.265417	1.30681		3.3	20
2-Fluorophenol	A	100.0	98.23	1.142171	1.12201		-1.8	20
Nitrobenzene-d5	A	50.00	50.84	0.4075494	0.4144087		1.7	20
Phenol-d6	A	100.0	101.0	1.572986	1.588241		1.0	20
Terphenyl-d14	A	50.00	51.73	0.7462196	0.7719752		3.5	20
2,4,6-Tribromophenol	A	100.0	116.8	0.109869	0.1283375		16.8	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_015

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

Matrix: Laboratory ID: 1F01024-BLK1 File ID: F01024B1.D

Sampled: Prepared: Analyzed: 06/02/11 17:59

Solids: Preparation: EXT_3510 Dilution:

Batch: 1F01024 Sequence: 1F15812 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	U
92-87-5	Benzidine		12.5	25.0	5.00	X, U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	Q, 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	Q, 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	5.00	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	Q, 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	Q, 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	Q, U
218-01-9	Chrysene		1.25	2.50	5.00	Q, 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	Q, U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	Q, 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	Q, U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	Q, U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Matrix: Laboratory ID: 1F01024-BLK1 File ID: F01024B1.D

Sampled: Prepared: Analyzed: 06/02/11 17:59

Solids: Preparation: EXT_3510 Dilution:

Batch: 1F01024 Sequence: 1F15812 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	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	Q, U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	33.96	67.9	50 - 110	
2-Fluorophenol	100.0	37.47	37.5	20 - 110	
Nitrobenzene-d5	50.00	38.46	76.9	40 - 110	
Phenol-d6	100.0	21.18	21.2	10 - 110	
Terphenyl-d14	50.00	54.61	109	50 - 135	
2,4,6-Tribromophenol	100.0	85.62	85.6	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Matrix: Laboratory ID: 1F01024-BS1 File ID: F01024L1.D

Sampled: Prepared: Analyzed: 06/02/11 19:09

Solids: Preparation: EXT_3510 Dilution:

Batch: 1F01024 Sequence: 1F15812 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	54.59	1.25	2.50	5.00	
208-96-8	Acenaphthylene	47.42	1.25	2.50	5.00	
98-86-2	Acetophenone	44.65	1.25	2.50	5.00	
120-12-7	Anthracene	54.86	1.25	2.50	5.00	
1912-24-9	Atrazine	44.44	1.25	2.50	5.00	
100-52-7	Benzaldehyde	44.84	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	25.0	5.00	X
56-55-3	Benzo(a)anthracene	58.85	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	52.97	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	62.31	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	59.97	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	25.0	5.00	U
207-08-9	Benzo(k)fluoranthene	62.60	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	47.01	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	59.04	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	67.14	1.25	2.50	5.00	
105-60-2	Caprolactam	5.464	1.25	2.50	5.00	
86-74-8	Carbazole	54.16	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	43.03	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	42.38	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	58.68	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	54.57	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	50.89	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	53.37	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	37.87	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	60.83	1.25	2.50	5.00	
218-01-9	Chrysene	60.56	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	56.23	1.25	2.50	5.00	
132-64-9	Dibenzofuran	57.88	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	62.30	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	60.21	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	45.98	1.25	2.50	5.00	
84-66-2	Diethylphthalate	66.20	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	43.40	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	61.79	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	55.65	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	50.52	12.5	25.0	50.0	X
121-14-2	2,4-Dinitrotoluene	61.22	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	58.32	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	66.52	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Matrix: Laboratory ID: 1F01024-BS1 File ID: F01024L1.D

Sampled: Prepared: Analyzed: 06/02/11 19:09

Solids: Preparation: EXT_3510 Dilution:

Batch: 1F01024 Sequence: 1F15812 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	50.64	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	65.52	1.25	2.50	5.00	
206-44-0	Fluoranthene	56.33	1.25	2.50	5.00	
86-73-7	Fluorene	55.21	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	56.82	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	31.96	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	13.84	1.25	2.50	5.00	
67-72-1	Hexachloroethane	25.10	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	54.74	1.25	2.50	5.00	
78-59-1	Isophorone	40.47	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	44.79	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	45.91	1.25	2.50	5.00	
95-48-7	2-Methylphenol	30.74	1.25	2.50	5.00	
65794-96-9	3+4-Methylphenol	26.14	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	49.67	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	46.23	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	56.62	5.00	10.0	20.0	
98-95-3	Nitrobenzene	49.68	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	9.952	5.00	10.0	20.0	J
88-75-5	2-Nitrophenol	48.48	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	28.88	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	49.93	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	51.37	5.00	10.0	20.0	
85-01-8	Phenanthrene	57.92	1.25	2.50	5.00	
108-95-2	Phenol	10.71	1.25	2.50	5.00	
129-00-0	Pyrene	60.82	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	54.56	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	54.85	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	48.36	96.7	50 - 110	
2-Fluorophenol	100.0	35.50	35.5	20 - 110	
Nitrobenzene-d5	50.00	46.17	92.3	40 - 110	
Phenol-d6	100.0	19.60	19.6	10 - 110	
Terphenyl-d14	50.00	60.78	122	50 - 135	
2,4,6-Tribromophenol	100.0	104.4	104	40 - 125	

ANALYSIS DATA SHEET

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Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Matrix: Laboratory ID: 1F06016-BLK1 File ID: F06016B1.D

Sampled: Prepared: Analyzed: 06/18/11 19:58

Solids: Preparation: EXT_3510 Dilution:

Batch: 1F06016 Sequence: 1F17103 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	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	Q, U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	X, U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate	5.15	1.25	2.50	5.00	
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_015

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

Matrix: Laboratory ID: 1F06016-BLK1 File ID: F06016B1.D

Sampled: Prepared: Analyzed: 06/18/11 19:58

Solids: Preparation: EXT_3510 Dilution:

Batch: 1F06016 Sequence: 1F17103 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	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	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	X, U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	Q, 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	36.39	72.8	50 - 110	
2-Fluorophenol	100.0	37.49	37.5	20 - 110	
Nitrobenzene-d5	50.00	44.10	88.2	40 - 110	
Phenol-d6	100.0	21.90	21.9	10 - 110	
Terphenyl-d14	50.00	57.73	115	50 - 135	
2,4,6-Tribromophenol	100.0	107.8	108	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Matrix: Laboratory ID: 1F06016-BS1 File ID: F06016L1.D

Sampled: Prepared: Analyzed: 06/18/11 21:07

Solids: Preparation: EXT_3510 Dilution:

Batch: 1F06016 Sequence: 1F17103 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	46.97	1.25	2.50	5.00	
208-96-8	Acenaphthylene	38.87	1.25	2.50	5.00	
98-86-2	Acetophenone	42.93	1.25	2.50	5.00	
120-12-7	Anthracene	42.31	1.25	2.50	5.00	
1912-24-9	Atrazine	42.94	1.25	2.50	5.00	
100-52-7	Benzaldehyde	30.64	1.25	2.50	5.00	Y
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene	49.17	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	43.61	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	57.27	1.25	2.50	5.00	X
191-24-2	Benzo(g,h,i)perylene	43.68	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene	53.52	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	44.38	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	49.83	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	53.72	1.25	2.50	5.00	
105-60-2	Caprolactam	7.873	1.25	2.50	5.00	
86-74-8	Carbazole	43.78	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	41.35	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	39.69	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	50.31	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	45.43	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	43.59	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	47.02	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	35.41	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	51.72	1.25	2.50	5.00	
218-01-9	Chrysene	46.53	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	45.71	1.25	2.50	5.00	
132-64-9	Dibenzofuran	46.59	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	48.21	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	45.61	1.25	2.50	5.00	X
120-83-2	2,4-Dichlorophenol	43.08	1.25	2.50	5.00	
84-66-2	Diethylphthalate	57.55	1.25	2.50	5.00	B
105-67-9	2,4-Dimethylphenol	37.72	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	51.61	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	54.64	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	57.84	12.5	25.0	50.0	X
121-14-2	2,4-Dinitrotoluene	50.39	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	49.55	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	59.13	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Matrix: Laboratory ID: 1F06016-BS1 File ID: F06016L1.D

Sampled: Prepared: Analyzed: 06/18/11 21:07

Solids: Preparation: EXT_3510 Dilution:

Batch: 1F06016 Sequence: 1F17103 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	46.53	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	52.88	1.25	2.50	5.00	
206-44-0	Fluoranthene	43.36	1.25	2.50	5.00	
86-73-7	Fluorene	46.80	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	46.92	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	49.08	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	20.89	1.25	2.50	5.00	
67-72-1	Hexachloroethane	38.38	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	44.23	1.25	2.50	5.00	
78-59-1	Isophorone	36.83	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	43.57	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	45.54	1.25	2.50	5.00	
95-48-7	2-Methylphenol	28.83	1.25	2.50	5.00	
65794-96-9	3+4-Methylphenol	25.66	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	43.84	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	42.42	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	50.98	5.00	10.0	20.0	X
98-95-3	Nitrobenzene	45.93	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	13.06	5.00	10.0	20.0	J
88-75-5	2-Nitrophenol	46.47	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	24.92	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	43.24	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	50.41	5.00	10.0	20.0	
85-01-8	Phenanthrene	46.78	1.25	2.50	5.00	
108-95-2	Phenol	14.11	1.25	2.50	5.00	
129-00-0	Pyrene	45.67	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	49.54	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	49.40	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	46.97	93.9	50 - 110	
2-Fluorophenol	100.0	43.71	43.7	20 - 110	
Nitrobenzene-d5	50.00	50.62	101	40 - 110	
Phenol-d6	100.0	25.68	25.7	10 - 110	
Terphenyl-d14	50.00	55.88	112	50 - 135	
2,4,6-Tribromophenol	100.0	117.6	118	40 - 125	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Matrix: Laboratory ID: 1F06016-BSD1 File ID: F06016L2.D

Sampled: Prepared: Analyzed: 06/18/11 21:42

Solids: Preparation: EXT_3510 Dilution:

Batch: 1F06016 Sequence: 1F17103 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	44.54	1.25	2.50	5.00	
208-96-8	Acenaphthylene	36.97	1.25	2.50	5.00	
98-86-2	Acetophenone	40.58	1.25	2.50	5.00	
120-12-7	Anthracene	41.89	1.25	2.50	5.00	
1912-24-9	Atrazine	41.95	1.25	2.50	5.00	
100-52-7	Benzaldehyde	28.28	1.25	2.50	5.00	Y
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene	47.22	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	41.97	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	54.39	1.25	2.50	5.00	X
191-24-2	Benzo(g,h,i)perylene	46.19	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene	46.21	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	43.42	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	48.35	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	51.64	1.25	2.50	5.00	
105-60-2	Caprolactam	6.793	1.25	2.50	5.00	
86-74-8	Carbazole	42.61	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	36.49	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	34.11	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	47.10	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	42.40	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	41.27	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	45.40	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	32.55	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	50.31	1.25	2.50	5.00	
218-01-9	Chrysene	42.72	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	48.02	1.25	2.50	5.00	
132-64-9	Dibenzofuran	46.18	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	47.47	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	40.26	1.25	2.50	5.00	X
120-83-2	2,4-Dichlorophenol	40.34	1.25	2.50	5.00	
84-66-2	Diethylphthalate	56.51	1.25	2.50	5.00	B
105-67-9	2,4-Dimethylphenol	36.24	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	48.97	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	51.34	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	51.87	12.5	25.0	50.0	X
121-14-2	2,4-Dinitrotoluene	49.22	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	47.37	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	55.36	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Matrix: Laboratory ID: 1F06016-BSD1 File ID: F06016L2.D

Sampled: Prepared: Analyzed: 06/18/11 21:42

Solids: Preparation: EXT_3510 Dilution:

Batch: 1F06016 Sequence: 1F17103 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	45.94	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	49.80	1.25	2.50	5.00	
206-44-0	Fluoranthene	43.84	1.25	2.50	5.00	
86-73-7	Fluorene	45.70	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	45.44	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	45.43	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	20.24	1.25	2.50	5.00	
67-72-1	Hexachloroethane	36.68	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	48.46	1.25	2.50	5.00	
78-59-1	Isophorone	34.30	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	40.24	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	42.15	1.25	2.50	5.00	
95-48-7	2-Methylphenol	26.12	1.25	2.50	5.00	
65794-96-9	3+4-Methylphenol	23.33	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	40.92	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	38.71	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	50.02	5.00	10.0	20.0	X
98-95-3	Nitrobenzene	43.04	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	11.55	5.00	10.0	20.0	J
88-75-5	2-Nitrophenol	44.22	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	23.79	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	40.82	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	47.22	5.00	10.0	20.0	
85-01-8	Phenanthrene	45.40	1.25	2.50	5.00	
108-95-2	Phenol	12.56	1.25	2.50	5.00	
129-00-0	Pyrene	46.45	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	47.13	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	46.71	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	42.94	85.9	50 - 110	
2-Fluorophenol	100.0	40.27	40.3	20 - 110	
Nitrobenzene-d5	50.00	46.91	93.8	40 - 110	
Phenol-d6	100.0	22.90	22.9	10 - 110	
Terphenyl-d14	50.00	57.08	114	50 - 135	
2,4,6-Tribromophenol	100.0	111.6	112	40 - 125	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Matrix: Laboratory ID: 1F08012-BLK1 File ID: F06016B1.D

Sampled: Prepared: Analyzed: 06/20/11 18:46

Solids: Preparation: EXT_3510 Dilution:

Batch: 1F08012 Sequence: 1F17207 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	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	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	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	Q, 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
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	X, 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	X, U

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Matrix: Laboratory ID: 1F08012-BLK1 File ID: F06016B1.D

Sampled: Prepared: Analyzed: 06/20/11 18:46

Solids: Preparation: EXT_3510 Dilution:

Batch: 1F08012 Sequence: 1F17207 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	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	X, 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	X, U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	X, U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	39.58	79.2	50 - 110	
2-Fluorophenol	100.0	42.11	42.1	20 - 110	
Nitrobenzene-d5	50.00	43.26	86.5	40 - 110	
Phenol-d6	100.0	24.86	24.9	10 - 110	
Terphenyl-d14	50.00	55.85	112	50 - 135	
2,4,6-Tribromophenol	100.0	98.19	98.2	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_015

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

Matrix: | Laboratory ID: 1F08012-BS1 | File ID: F06016L1.D

Sampled: | Prepared: | Analyzed: 06/20/11 19:22

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 1F08012 | Sequence: 1F17207 | Calibration: 1122001 | Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	49.16	1.25	2.50	5.00	
208-96-8	Acenaphthylene	41.53	1.25	2.50	5.00	
98-86-2	Acetophenone	46.13	1.25	2.50	5.00	
120-12-7	Anthracene	46.72	1.25	2.50	5.00	
1912-24-9	Atrazine	47.13	1.25	2.50	5.00	
100-52-7	Benzaldehyde	34.70	1.25	2.50	5.00	Y
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene	51.72	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	45.55	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	55.50	1.25	2.50	5.00	X
191-24-2	Benzo(g,h,i)perylene	43.84	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene	51.16	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	48.56	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	53.50	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	57.24	1.25	2.50	5.00	
105-60-2	Caprolactam	9.059	1.25	2.50	5.00	
86-74-8	Carbazole	47.01	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	44.66	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	44.30	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	51.57	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	47.96	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	47.95	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	49.33	1.25	2.50	5.00	X
95-57-8	2-Chlorophenol	38.98	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	54.54	1.25	2.50	5.00	
218-01-9	Chrysene	50.35	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	48.01	1.25	2.50	5.00	
132-64-9	Dibenzofuran	50.46	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	52.26	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	50.67	1.25	2.50	5.00	X
120-83-2	2,4-Dichlorophenol	44.70	1.25	2.50	5.00	
84-66-2	Diethylphthalate	57.54	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	42.68	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	53.98	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	55.66	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	59.65	12.5	25.0	50.0	X
121-14-2	2,4-Dinitrotoluene	53.70	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	51.30	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	60.33	1.25	2.50	5.00	X

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_015

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

Matrix: | Laboratory ID: 1F08012-BS1 | File ID: F06016L1.D

Sampled: | Prepared: | Analyzed: 06/20/11 19:22

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 1F08012 | Sequence: 1F17207 | Calibration: 1122001 | Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	49.04	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	56.29	1.25	2.50	5.00	
206-44-0	Fluoranthene	47.67	1.25	2.50	5.00	
86-73-7	Fluorene	49.69	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	50.19	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	45.00	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	20.68	1.25	2.50	5.00	X
67-72-1	Hexachloroethane	36.57	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	46.79	1.25	2.50	5.00	
78-59-1	Isophorone	37.56	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	43.05	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	45.43	1.25	2.50	5.00	
95-48-7	2-Methylphenol	33.21	1.25	2.50	5.00	
65794-96-9	3+4-Methylphenol	30.71	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	49.29	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	47.32	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	54.53	5.00	10.0	20.0	X
98-95-3	Nitrobenzene	47.47	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	16.15	5.00	10.0	20.0	X, J
88-75-5	2-Nitrophenol	47.47	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	25.69	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	46.74	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	51.94	5.00	10.0	20.0	
85-01-8	Phenanthrene	49.21	1.25	2.50	5.00	
108-95-2	Phenol	16.89	1.25	2.50	5.00	
129-00-0	Pyrene	49.70	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	52.03	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	51.50	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	46.07	92.1	50 - 110	
2-Fluorophenol	100.0	50.85	50.8	20 - 110	
Nitrobenzene-d5	50.00	50.79	102	40 - 110	
Phenol-d6	100.0	30.71	30.7	10 - 110	
Terphenyl-d14	50.00	58.96	118	50 - 135	
2,4,6-Tribromophenol	100.0	113.4	113	40 - 125	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Matrix: Laboratory ID: 1F08012-BSD1 File ID: F06016L2.D

Sampled: Prepared: Analyzed: 06/20/11 19:57

Solids: Preparation: EXT_3510 Dilution:

Batch: 1F08012 Sequence: 1F17207 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	48.50	1.25	2.50	5.00	
208-96-8	Acenaphthylene	40.98	1.25	2.50	5.00	
98-86-2	Acetophenone	44.96	1.25	2.50	5.00	
120-12-7	Anthracene	45.61	1.25	2.50	5.00	
1912-24-9	Atrazine	47.10	1.25	2.50	5.00	
100-52-7	Benzaldehyde	34.08	1.25	2.50	5.00	Y
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene	53.31	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	47.08	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	57.64	1.25	2.50	5.00	X
191-24-2	Benzo(g,h,i)perylene	51.83	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene	52.81	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	48.79	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	53.07	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	59.71	1.25	2.50	5.00	
105-60-2	Caprolactam	8.737	1.25	2.50	5.00	
86-74-8	Carbazole	46.80	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	46.61	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	41.14	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	51.97	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	46.99	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	45.16	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	49.83	1.25	2.50	5.00	X
95-57-8	2-Chlorophenol	39.97	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	56.06	1.25	2.50	5.00	
218-01-9	Chrysene	49.59	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	56.51	1.25	2.50	5.00	
132-64-9	Dibenzofuran	51.40	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	53.31	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	46.39	1.25	2.50	5.00	X
120-83-2	2,4-Dichlorophenol	45.03	1.25	2.50	5.00	
84-66-2	Diethylphthalate	58.65	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	43.08	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	55.48	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	63.31	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	63.50	12.5	25.0	50.0	X
121-14-2	2,4-Dinitrotoluene	55.36	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	54.18	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	61.07	1.25	2.50	5.00	X

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Matrix: Laboratory ID: 1F08012-BSD1 File ID: F06016L2.D

Sampled: Prepared: Analyzed: 06/20/11 19:57

Solids: Preparation: EXT_3510 Dilution:

Batch: 1F08012 Sequence: 1F17207 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	51.45	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	57.27	1.25	2.50	5.00	
206-44-0	Fluoranthene	47.61	1.25	2.50	5.00	
86-73-7	Fluorene	50.71	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	49.44	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	41.27	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	20.69	1.25	2.50	5.00	X
67-72-1	Hexachloroethane	33.15	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	55.15	1.25	2.50	5.00	
78-59-1	Isophorone	37.54	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	43.79	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	45.64	1.25	2.50	5.00	
95-48-7	2-Methylphenol	34.06	1.25	2.50	5.00	
65794-96-9	3+4-Methylphenol	31.25	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	47.30	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	45.10	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	53.88	5.00	10.0	20.0	X
98-95-3	Nitrobenzene	46.33	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	15.67	5.00	10.0	20.0	X, J
88-75-5	2-Nitrophenol	49.76	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	28.53	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	44.46	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	52.44	5.00	10.0	20.0	
85-01-8	Phenanthrene	49.96	1.25	2.50	5.00	
108-95-2	Phenol	16.40	1.25	2.50	5.00	
129-00-0	Pyrene	51.36	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	53.28	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	53.64	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	48.00	96.0	50 - 110	
2-Fluorophenol	100.0	49.66	49.7	20 - 110	
Nitrobenzene-d5	50.00	49.82	99.6	40 - 110	
Phenol-d6	100.0	29.76	29.8	10 - 110	
Terphenyl-d14	50.00	61.23	122	50 - 135	
2,4,6-Tribromophenol	100.0	116.6	117	40 - 125	

HOLDING TIME SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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
GW0100	05/31/11 14:15	06/01/11 09:00	06/02/11 10:28	1.80	7.00	06/06/11 21:08	4.44	40.00	
GW0101	05/31/11 11:09	06/01/11 09:00	06/02/11 10:28	1.93	7.00	06/06/11 21:37	4.46	40.00	
GW0103	06/01/11 15:55	06/02/11 09:00	06/06/11 15:40	4.95	7.00	06/19/11 03:37	12.50	40.00	
GW0104	06/01/11 12:22	06/02/11 09:00	06/06/11 15:40	5.10	7.00	06/19/11 04:12	12.52	40.00	
GW0089	06/02/11 14:57	06/03/11 09:00	06/06/11 15:40	3.99	7.00	06/21/11 00:41	14.38	40.00	
GW0111	06/02/11 08:36	06/03/11 09:00	06/06/11 15:40	4.25	7.00	06/21/11 01:18	14.40	40.00	
GW0090	06/03/11 11:16	06/04/11 11:00	06/08/11 15:25	5.13	7.00	06/20/11 20:31	12.21	40.00	
GW0114	06/03/11 14:42	06/04/11 11:00	06/08/11 15:25	4.99	7.00	06/20/11 21:05	12.24	40.00	
GW0114	06/03/11 14:42	06/04/11 11:00	06/08/11 15:25	4.99	7.00	06/22/11 16:29	14.04	40.00	

SW8015B (GRO)
Forms

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
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_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F16401	Instrument:	GL-GCVOA2
Calibration:	1129002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1F16401-CCV1	003F0301.D	06/09/11 15:27
Blank	1F09018-BLK1	004F0401.D	06/09/11 16:05
LCS	1F09018-BS1	005F0501.D	06/09/11 16:43
GW0100	1106002-01	012F1201.D	06/09/11 20:58
GW0101	1106002-03	013F1301.D	06/09/11 21:34
GW0103	1106013-01	014F1401.D	06/09/11 22:09
GW0104	1106013-03	015F1501.D	06/09/11 22:46
GW0089	1106026-01	016F1601.D	06/09/11 23:23
GW0111	1106026-03	017F1701.D	06/10/11 00:00
Calibration Check	1F16401-CCV2	018F1801.D	06/10/11 00:38
GW8014-AB	1106026-05	019F1901.D	06/10/11 01:15
GW0090	1106048-01	020F2001.D	06/10/11 01:52
GW0114	1106048-03	021F2101.D	06/10/11 02:30
Calibration Check	1F16401-CCV3	026F2601.D	06/10/11 05:30

ANALYSIS DATA SHEET

GW0100

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106002-01	File ID:	012F1201.D
Sampled:	05/31/11 14:15	Prepared:	06/09/11 13:44	Analyzed:	06/09/11 20:58
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1F09018 Sequence: 1F16401 Calibration: 1129002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	1.04	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05536	111	50 - 150	

ANALYSIS DATA SHEET

GW0101

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106002-03	File ID:	013F1301.D
Sampled:	05/31/11 11:09	Prepared:	06/09/11 13:44	Analyzed:	06/09/11 21:34
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1F09018 Sequence: 1F16401 Calibration: 1129002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.614	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04906	98.1	50 - 150	

ANALYSIS DATA SHEET

GW0103

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106013-01	File ID:	014F1401.D
Sampled:	06/01/11 15:55	Prepared:	06/09/11 13:44	Analyzed:	06/09/11 22:09
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1F09018 Sequence: 1F16401 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	0.04621	92.4	50 - 150	

ANALYSIS DATA SHEET

GW0104

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106013-03	File ID:	015F1501.D
Sampled:	06/01/11 12:22	Prepared:	06/09/11 13:44	Analyzed:	06/09/11 22:46
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1F09018 Sequence: 1F16401 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	0.04720	94.4	50 - 150	

ANALYSIS DATA SHEET

GW0089

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106026-01	File ID:	016F1601.D
Sampled:	06/02/11 14:57	Prepared:	06/09/11 13:44	Analyzed:	06/09/11 23:23
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1F09018 Sequence: 1F16401 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	0.04696	93.9	50 - 150	

ANALYSIS DATA SHEET

GW0111

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106026-03	File ID:	017F1701.D
Sampled:	06/02/11 08:36	Prepared:	06/09/11 13:44	Analyzed:	06/10/11 00:00
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1F09018 Sequence: 1F16401 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	0.04765	95.3	50 - 150	

ANALYSIS DATA SHEET

GW8014-AB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106026-05	File ID:	019F1901.D
Sampled:	06/02/11 08:36	Prepared:	06/09/11 13:44	Analyzed:	06/10/11 01:15
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1F09018 Sequence: 1F16401 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	0.04806	96.1	50 - 150	

ANALYSIS DATA SHEET

GW0090

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106048-01	File ID:	020F2001.D
Sampled:	06/03/11 11:16	Prepared:	06/09/11 13:44	Analyzed:	06/10/11 01:52
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1F09018 Sequence: 1F16401 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	0.04838	96.8	50 - 150	

ANALYSIS DATA SHEET

GW0114

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106048-03	File ID:	021F2101.D
Sampled:	06/03/11 14:42	Prepared:	06/09/11 13:44	Analyzed:	06/10/11 02:30
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1F09018 Sequence: 1F16401 Calibration: 1129002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	1.34	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05667	113	50 - 150	

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F09018	Laboratory ID:	1F09018-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	0.6520	130	50 - 150

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Batch: 1F09018 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0100	1106002-01	06/09/11 13:44	5.00	5.00
GW0101	1106002-03	06/09/11 13:44	5.00	5.00
GW0103	1106013-01	06/09/11 13:44	5.00	5.00
GW0104	1106013-03	06/09/11 13:44	5.00	5.00
GW0089	1106026-01	06/09/11 13:44	5.00	5.00
GW0111	1106026-03	06/09/11 13:44	5.00	5.00
GW8014-AB	1106026-05	06/09/11 13:44	5.00	5.00
GW0090	1106048-01	06/09/11 13:44	5.00	5.00
GW0114	1106048-03	06/09/11 13:44	5.00	5.00
Blank	1F09018-BLK1	06/09/11 13:44	5.00	5.00
LCS	1F09018-BS1	06/09/11 13:44	5.00	5.00

INITIAL CALIBRATION STANDARDS

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
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_015	
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_015	
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_015
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_015
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:	1F16401	Injection Date:	06/09/11
Lab Sample ID:	1F16401-CCV1	Injection Time:	15:27

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.5332	2535804	2461750		6.6	20
Bromofluorobenzene	A	0.05000	0.04678	1405428	1314880		-6.4	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	1129002
Lab File ID:	018F1801.D	Calibration Date:	05/06/11 13:01
Sequence:	1F16401	Injection Date:	06/10/11
Lab Sample ID:	1F16401-CCV2	Injection Time:	00:38

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.5759	2535804	2623636		15.2	20
Bromofluorobenzene	A	0.05000	0.04973	1405428	1397840		-0.5	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	1129002
Lab File ID:	026F2601.D	Calibration Date:	05/06/11 13:01
Sequence:	1F16401	Injection Date:	06/10/11
Lab Sample ID:	1F16401-CCV3	Injection Time:	05:30

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.5533	2535804	2537812		10.7	20
Bromofluorobenzene	A	0.05000	0.04899	1405428	1377000		-2.0	20

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

* Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F16401	Instrument:	GL-GCVOA2
		Calibration:	1129002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1F16401-CCV1) ug/mL				Lab File ID: 003F0301.D		Analyzed: 06/09/11 15:27		
Bromofluorobenzene	0.05000	93.6	80 - 120	19.533	19.533	0.0000	+/-0.210	
Blank (1F09018-BLK1) mg/L				Lab File ID: 004F0401.D		Analyzed: 06/09/11 16:05		
Bromofluorobenzene	0.05000	88.9	50 - 150	19.533	19.533	0.0000	+/-0.210	
LCS (1F09018-BS1) mg/L				Lab File ID: 005F0501.D		Analyzed: 06/09/11 16:43		
Bromofluorobenzene	0.05000	93.2	50 - 150	19.53	19.533	-0.0030	+/-0.210	
GW0100 (1106002-01) mg/L				Lab File ID: 012F1201.D		Analyzed: 06/09/11 20:58		
Bromofluorobenzene	0.05000	111	50 - 150	19.55	19.533	0.0170	+/-0.210	
GW0101 (1106002-03) mg/L				Lab File ID: 013F1301.D		Analyzed: 06/09/11 21:34		
Bromofluorobenzene	0.05000	98.1	50 - 150	19.553	19.533	0.0200	+/-0.210	
GW0103 (1106013-01) mg/L				Lab File ID: 014F1401.D		Analyzed: 06/09/11 22:09		
Bromofluorobenzene	0.05000	92.4	50 - 150	19.553	19.533	0.0200	+/-0.210	
GW0104 (1106013-03) mg/L				Lab File ID: 015F1501.D		Analyzed: 06/09/11 22:46		
Bromofluorobenzene	0.05000	94.4	50 - 150	19.55	19.533	0.0170	+/-0.210	
GW0089 (1106026-01) mg/L				Lab File ID: 016F1601.D		Analyzed: 06/09/11 23:23		
Bromofluorobenzene	0.05000	93.9	50 - 150	19.543	19.533	0.0100	+/-0.210	
GW0111 (1106026-03) mg/L				Lab File ID: 017F1701.D		Analyzed: 06/10/11 00:00		
Bromofluorobenzene	0.05000	95.3	50 - 150	19.543	19.533	0.0100	+/-0.210	
Calibration Check (1F16401-CCV2) ug/mL				Lab File ID: 018F1801.D		Analyzed: 06/10/11 00:38		
Bromofluorobenzene	0.05000	99.5	80 - 120	19.543	19.533	0.0100	+/-0.210	
GW8014-AB (1106026-05) mg/L				Lab File ID: 019F1901.D		Analyzed: 06/10/11 01:15		
Bromofluorobenzene	0.05000	96.1	50 - 150	19.54	19.533	0.0070	+/-0.210	
GW0090 (1106048-01) mg/L				Lab File ID: 020F2001.D		Analyzed: 06/10/11 01:52		
Bromofluorobenzene	0.05000	96.8	50 - 150	19.543	19.533	0.0100	+/-0.210	
GW0114 (1106048-03) mg/L				Lab File ID: 021F2101.D		Analyzed: 06/10/11 02:30		
Bromofluorobenzene	0.05000	113	50 - 150	19.543	19.533	0.0100	+/-0.210	
Calibration Check (1F16401-CCV3) ug/mL				Lab File ID: 026F2601.D		Analyzed: 06/10/11 05:30		
Bromofluorobenzene	0.05000	98.0	80 - 120	19.563	19.533	0.0300	+/-0.210	

HOLDING TIME SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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
GW0100	05/31/11 14:15	06/01/11 09:00	06/09/11 13:44	N/A	14.00	06/09/11 20:58	9.24	14.00	
GW0101	05/31/11 11:09	06/01/11 09:00	06/09/11 13:44	N/A	14.00	06/09/11 21:34	9.39	14.00	
GW0103	06/01/11 15:55	06/02/11 09:00	06/09/11 13:44	N/A	14.00	06/09/11 22:09	8.22	14.00	
GW0104	06/01/11 12:22	06/02/11 09:00	06/09/11 13:44	N/A	14.00	06/09/11 22:46	8.39	14.00	
GW0089	06/02/11 14:57	06/03/11 09:00	06/09/11 13:44	N/A	14.00	06/09/11 23:23	7.31	14.00	
GW0111	06/02/11 08:36	06/03/11 09:00	06/09/11 13:44	N/A	14.00	06/10/11 00:00	7.60	14.00	
GW8014-AB	06/02/11 08:36	06/03/11 09:00	06/09/11 13:44	N/A	14.00	06/10/11 01:15	7.65	14.00	
GW0090	06/03/11 11:16	06/04/11 11:00	06/09/11 13:44	N/A	14.00	06/10/11 01:52	6.57	14.00	
GW0114	06/03/11 14:42	06/04/11 11:00	06/09/11 13:44	N/A	14.00	06/10/11 02:30	6.45	14.00	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_015
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 1F09018-BLK1
File ID: 004F0401.D
Sampled:
Prepared:
Analyzed: 06/09/11 16:05
Solids:
Preparation: 8015GRO
Dilution:
Batch: 1F09018
Sequence: 1F16401
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	0.04444	88.9	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1F09018-BS1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	06/09/11 16:43
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	1F09018	Sequence:	1F16401	Calibration:	1129002	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.6520	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04661	93.2	50 - 150	

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_015
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_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1B03804	Instrument:	GL-GCFID
Calibration:	1038002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1B03804-CAL6	003B0301.D	02/04/11 11:28
Cal Standard	1B03804-CAL5	004B0401.D	02/04/11 12:02
Cal Standard	1B03804-CAL4	005B0501.D	02/04/11 12:35
Cal Standard	1B03804-CAL3	006B0601.D	02/04/11 13:09
Cal Standard	1B03804-CAL2	007B0701.D	02/04/11 13:42
Cal Standard	1B03804-CAL1	008B0801.D	02/04/11 14:16
Initial Cal Check	1B03804-ICV1	009B0901.D	02/04/11 14:50

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F17107	Instrument:	GL-GCFID
Calibration:	1038002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1F17107-CCV1	004B0401.D	06/16/11 20:06
Blank	1F06014-BLK1	005B0501.D	06/16/11 20:40
LCS	1F06014-BS1	006B0601.D	06/16/11 21:14
LCS Dup	1F06014-BSD1	007B0701.D	06/16/11 21:48
GW0101	1106002-03	009B0901.D	06/16/11 22:56
GW0103	1106013-01	010B1001.D	06/16/11 23:30
GW0104	1106013-03	011B1101.D	06/17/11 00:04
GW0089	1106026-01	012B1201.D	06/17/11 00:38
GW0111	1106026-03	013B1301.D	06/17/11 01:12
Calibration Check	1F17107-CCV2	014B1401.D	06/17/11 01:46
Blank	1F08027-BLK1	015B1501.D	06/17/11 02:20
LCS	1F08027-BS1	016B1601.D	06/17/11 02:53
LCS Dup	1F08027-BSD1	017B1701.D	06/17/11 03:27
GW0090	1106048-01	018B1801.D	06/17/11 04:01
GW0114	1106048-03	019B1901.D	06/17/11 04:35
Calibration Check	1F17107-CCV3	024B2401.D	06/17/11 07:23

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F17813	Instrument:	GL-GCFID
Calibration:	1038002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1F17813-CCV1	003B0301.D	06/22/11 19:23
GW0100	1106002-01	004B0401.D	06/22/11 19:57
Calibration Check	1F17813-CCV2	013B1301.D	06/23/11 01:05

ANALYSIS DATA SHEET

GW0100

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106002-01	File ID:	004B0401.D
Sampled:	05/31/11 14:15	Prepared:	06/06/11 15:43	Analyzed:	06/22/11 19:57
Solids:		Preparation:	EXT_3510	Dilution:	5

Batch: 1F06014 Sequence: 1F17813 Calibration: 1038002 Instrument: GL-GCFID

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	5.54	0.481	0.481	0.481	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.02630	137	30 - 140	X

ANALYSIS DATA SHEET

GW0101

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106002-03	File ID:	009B0901.D
Sampled:	05/31/11 11:09	Prepared:	06/06/11 15:43	Analyzed:	06/16/11 22:56
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1F06014 Sequence: 1F17107 Calibration: 1038002 Instrument: GL-GCFID

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	1.09	0.0943	0.0943	0.0943	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.02022	107	30 - 140	

ANALYSIS DATA SHEET

GW0103

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106013-01	File ID:	010B1001.D
Sampled:	06/01/11 15:55	Prepared:	06/06/11 15:43	Analyzed:	06/16/11 23:30
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1F06014 Sequence: 1F17107 Calibration: 1038002 Instrument: GL-GCFID

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	0.02213	111	30 - 140	

ANALYSIS DATA SHEET

GW0104

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106013-03	File ID:	011B1101.D
Sampled:	06/01/11 12:22	Prepared:	06/06/11 15:43	Analyzed:	06/17/11 00:04
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1F06014 Sequence: 1F17107 Calibration: 1038002 Instrument: GL-GCFID

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0943	0.0943	0.0943	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.02128	113	30 - 140	

ANALYSIS DATA SHEET

GW0089

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106026-01	File ID:	012B1201.D
Sampled:	06/02/11 14:57	Prepared:	06/06/11 15:43	Analyzed:	06/17/11 00:38
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1F06014 Sequence: 1F17107 Calibration: 1038002 Instrument: GL-GCFID

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0943	0.0943	0.0943	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.02081	110	30 - 140	

ANALYSIS DATA SHEET

GW0111

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106026-03	File ID:	013B1301.D
Sampled:	06/02/11 08:36	Prepared:	06/06/11 15:43	Analyzed:	06/17/11 01:12
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1F06014 Sequence: 1F17107 Calibration: 1038002 Instrument: GL-GCFID

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0943	0.0943	0.0943	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01928	102	30 - 140	

ANALYSIS DATA SHEET

GW0090

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106048-01	File ID:	018B1801.D
Sampled:	06/03/11 11:16	Prepared:	06/09/11 10:26	Analyzed:	06/17/11 04:01
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1F08027 Sequence: 1F17107 Calibration: 1038002 Instrument: GL-GCFID

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.105	0.0962	0.0962	0.0962	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.02228	116	30 - 140	X

ANALYSIS DATA SHEET

GW0114

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106048-03	File ID:	019B1901.D
Sampled:	06/03/11 14:42	Prepared:	06/09/11 10:26	Analyzed:	06/17/11 04:35
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1F08027 Sequence: 1F17107 Calibration: 1038002 Instrument: GL-GCFID

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	3.41	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01641	82.1	30 - 140	X

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F06014	Laboratory ID:	1F06014-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	0.7880	78.8	50 - 150

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Diesel Range Organics (C10-C28)	1.000	0.8341	83.4	5.69	50	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F08027	Laboratory ID:	1F08027-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	0.8139	81.4	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	0.7713	77.1	5.37	50	50 - 150

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Batch: 1F06014 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0100	1106002-01	06/06/11 15:43	1,040.00	1.00
GW0101	1106002-03	06/06/11 15:43	1,060.00	1.00
GW0103	1106013-01	06/06/11 15:43	1,000.00	1.00
GW0104	1106013-03	06/06/11 15:43	1,060.00	1.00
GW0089	1106026-01	06/06/11 15:43	1,060.00	1.00
GW0111	1106026-03	06/06/11 15:43	1,060.00	1.00
Blank	1F06014-BLK1	06/06/11 15:43	1,000.00	1.00
LCS	1F06014-BS1	06/06/11 15:43	1,000.00	1.00
LCS Dup	1F06014-BSD1	06/06/11 15:43	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Batch: 1F08027 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0090	1106048-01	06/09/11 10:26	1,040.00	1.00
GW0114	1106048-03	06/09/11 10:26	1,000.00	1.00
Blank	1F08027-BLK1	06/09/11 10:26	1,000.00	1.00
LCS	1F08027-BS1	06/09/11 10:26	1,000.00	1.00
LCS Dup	1F08027-BSD1	06/09/11 10:26	1,000.00	1.00

INITIAL CALIBRATION STANDARDS

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1B03804	Instrument:	GL-GCFID
Calibration:	1038002		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
10K0188	DRO ICAL6@100ppm	1B03804-CAL6	003B0301.D	02/04/11 11:28
10K0189	DRO ICAL5@250ppm	1B03804-CAL5	004B0401.D	02/04/11 12:02
10K0190	DRO ICAL4@500ppm	1B03804-CAL4	005B0501.D	02/04/11 12:35
10K0192	DRO ICAL3@1000ppm	1B03804-CAL3	006B0601.D	02/04/11 13:09
10K0193	DRO ICAL2@2500ppm	1B03804-CAL2	007B0701.D	02/04/11 13:42
10K0194	DRO ICAL1@5000ppm	1B03804-CAL1	008B0801.D	02/04/11 14:16

INITIAL CALIBRATION DATA

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1038002	Instrument:	GL-GCFID	
Matrix:	Water	Calibration Dates:	2/4/11_11:28	2/4/11_14:16

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	1351.87	250	1499.38	500	1574.304	1000	1676.537	2500	1883.202	5000	1703.416
o-Terphenyl	5	1984.4	12.5	1928.48	25	1883.4	50	1943.72	125	1932.104	250	1921.648

INITIAL CALIBRATION DATA (Continued)

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1038002	Instrument:	GL-GCFID	
Matrix:	Water	Calibration Dates:	2/4/11 11:28	2/4/11 14:16

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Diesel Range Organics (C10-C28)	1614.785	11.34472	6.25	0			20	
o-Terphenyl	1932.292	1.695087	11.31367	0.0744468			20	

INITIAL CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID	Calibration:	1038002
Lab File ID:	009B0901.D	Calibration Date:	02/04/11 11:28
Sequence:	1B03804	Injection Date:	02/04/11
Lab Sample ID:	1B03804-ICV1	Injection Time:	14:50

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	1178	1614.785	1901.657		17.8	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_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID	Calibration:	1038002
Lab File ID:	004B0401.D	Calibration Date:	02/04/11 11:28
Sequence:	1F17107	Injection Date:	06/16/11
Lab Sample ID:	1F17107-CCV1	Injection Time:	20:06

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	1093	1614.785	1764.858		9.3	20
o-Terphenyl	A	50.00	57.03	1932.292	2204.14		14.1	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID	Calibration:	1038002
Lab File ID:	014B1401.D	Calibration Date:	02/04/11 11:28
Sequence:	1F17107	Injection Date:	06/17/11
Lab Sample ID:	1F17107-CCV2	Injection Time:	01:46

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	1164	1614.785	1878.851		16.4	20
o-Terphenyl	A	50.00	59.74	1932.292	2308.6		19.5	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID	Calibration:	1038002
Lab File ID:	024B2401.D	Calibration Date:	02/04/11 11:28
Sequence:	1F17107	Injection Date:	06/17/11
Lab Sample ID:	1F17107-CCV3	Injection Time:	07:23

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	992.9	1614.785	1603.322		-0.7	20
o-Terphenyl	A	50.00	61.17	1932.292	2364.14		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

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID	Calibration:	1038002
Lab File ID:	003B0301.D	Calibration Date:	02/04/11 11:28
Sequence:	1F17813	Injection Date:	06/22/11
Lab Sample ID:	1F17813-CCV1	Injection Time:	19:23

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	891.4	1614.785	1439.434		-10.9	20
o-Terphenyl	A	50.00	61.18	1932.292	2364.32		22.4	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_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID	Calibration:	1038002
Lab File ID:	013B1301.D	Calibration Date:	02/04/11 11:28
Sequence:	1F17813	Injection Date:	06/23/11
Lab Sample ID:	1F17813-CCV2	Injection Time:	01:05

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	973.8	1614.785	1572.496		-2.6	20
o-Terphenyl	A	50.00	62.36	1932.292	2409.98		24.7	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_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F17107	Instrument:	GL-GCFID
		Calibration:	1038002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1F17107-CCV1) mg/L				Lab File ID: 004B0401.D		Analyzed: 06/16/11 20:06		
o-Terphenyl	50.00	114	80 - 120	10.96	10.96	0.0000	+/-0.050	
Blank (1F06014-BLK1) mg/L				Lab File ID: 005B0501.D		Analyzed: 06/16/11 20:40		
o-Terphenyl	0.02000	106	30 - 140	10.99	10.96	0.0300	+/-0.050	
LCS (1F06014-BS1) mg/L				Lab File ID: 006B0601.D		Analyzed: 06/16/11 21:14		
o-Terphenyl	0.02000	95.0	30 - 140	10.953	10.96	-0.0070	+/-0.050	
LCS Dup (1F06014-BSD1) mg/L				Lab File ID: 007B0701.D		Analyzed: 06/16/11 21:48		
o-Terphenyl	0.02000	103	30 - 140	10.976	10.96	0.0160	+/-0.050	
GW0101 (1106002-03) mg/L				Lab File ID: 009B0901.D		Analyzed: 06/16/11 22:56		
o-Terphenyl	0.01887	107	30 - 140	10.973	10.96	0.0130	+/-0.050	
GW0103 (1106013-01) mg/L				Lab File ID: 010B1001.D		Analyzed: 06/16/11 23:30		
o-Terphenyl	0.02000	111	30 - 140	10.96	10.96	0.0000	+/-0.050	
GW0104 (1106013-03) mg/L				Lab File ID: 011B1101.D		Analyzed: 06/17/11 00:04		
o-Terphenyl	0.01887	113	30 - 140	10.946	10.96	-0.0140	+/-0.050	
GW0089 (1106026-01) mg/L				Lab File ID: 012B1201.D		Analyzed: 06/17/11 00:38		
o-Terphenyl	0.01887	110	30 - 140	10.963	10.96	0.0030	+/-0.050	
GW0111 (1106026-03) mg/L				Lab File ID: 013B1301.D		Analyzed: 06/17/11 01:12		
o-Terphenyl	0.01887	102	30 - 140	10.963	10.96	0.0030	+/-0.050	
Calibration Check (1F17107-CCV2) mg/L				Lab File ID: 014B1401.D		Analyzed: 06/17/11 01:46		
o-Terphenyl	50.00	119	80 - 120	10.956	10.96	-0.0040	+/-0.050	
Blank (1F08027-BLK1) mg/L				Lab File ID: 015B1501.D		Analyzed: 06/17/11 02:20		
o-Terphenyl	0.02000	106	30 - 140	10.953	10.96	-0.0070	+/-0.050	
LCS (1F08027-BS1) mg/L				Lab File ID: 016B1601.D		Analyzed: 06/17/11 02:53		
o-Terphenyl	0.02000	96.6	30 - 140	10.946	10.96	-0.0140	+/-0.050	
LCS Dup (1F08027-BSD1) mg/L				Lab File ID: 017B1701.D		Analyzed: 06/17/11 03:27		
o-Terphenyl	0.02000	93.3	30 - 140	10.95	10.96	-0.0100	+/-0.050	
GW0090 (1106048-01) mg/L				Lab File ID: 018B1801.D		Analyzed: 06/17/11 04:01		
o-Terphenyl	0.01923	116	30 - 140	10.953	10.96	-0.0070	+/-0.050	
GW0114 (1106048-03) mg/L				Lab File ID: 019B1901.D		Analyzed: 06/17/11 04:35		
o-Terphenyl	0.02000	82.1	30 - 140	10.956	10.96	-0.0040	+/-0.050	
Calibration Check (1F17107-CCV3) mg/L				Lab File ID: 024B2401.D		Analyzed: 06/17/11 07:23		
o-Terphenyl	50.00	122	80 - 120	10.986	10.96	0.0260	+/-0.050	*

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F17813	Instrument:	GL-GCFID
		Calibration:	1038002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1F17813-CCV1) mg/L				Lab File ID: 003B0301.D		Analyzed: 06/22/11 19:23		
o-Terphenyl	50.00	122	80 - 120	10.966	10.966	0.0000	+/-0.050	*
GW0100 (1106002-01) mg/L				Lab File ID: 004B0401.D		Analyzed: 06/22/11 19:57		
o-Terphenyl	0.01923	137	30 - 140	10.96	10.966	-0.0060	+/-0.050	
Calibration Check (1F17813-CCV2) mg/L				Lab File ID: 013B1301.D		Analyzed: 06/23/11 01:05		
o-Terphenyl	50.00	125	80 - 120	10.953	10.966	-0.0130	+/-0.050	*

HOLDING TIME SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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
GW0100	05/31/11 14:15	06/01/11 09:00	06/06/11 15:43	6.02	7.00	06/22/11 19:57	16.18	40.00	
GW0101	05/31/11 11:09	06/01/11 09:00	06/06/11 15:43	6.15	7.00	06/16/11 22:56	10.30	40.00	
GW0103	06/01/11 15:55	06/02/11 09:00	06/06/11 15:43	4.95	7.00	06/16/11 23:30	10.32	40.00	
GW0104	06/01/11 12:22	06/02/11 09:00	06/06/11 15:43	5.10	7.00	06/17/11 00:04	10.35	40.00	
GW0089	06/02/11 14:57	06/03/11 09:00	06/06/11 15:43	3.99	7.00	06/17/11 00:38	10.37	40.00	
GW0111	06/02/11 08:36	06/03/11 09:00	06/06/11 15:43	4.25	7.00	06/17/11 01:12	10.40	40.00	
GW0090	06/03/11 11:16	06/04/11 11:00	06/09/11 10:26	5.92	7.00	06/17/11 04:01	7.73	40.00	
GW0114	06/03/11 14:42	06/04/11 11:00	06/09/11 10:26	5.78	7.00	06/17/11 04:35	7.76	40.00	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	1F06014-BLK1	File ID:	005B0501.D
Sampled:		Prepared:		Analyzed:	06/16/11 20:40
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 1F06014 Sequence: 1F17107 Calibration: 1038002 Instrument: GL-GCFID

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	0.02124	106	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1F06014-BS1	File ID:	006B0601.D
Sampled:		Prepared:		Analyzed:	06/16/11 21:14
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	1F06014	Sequence:	1F17107	Calibration:	1038002	Instrument:	GL-GCFID

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.7880	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01899	95.0	30 - 140	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1F06014-BSD1	File ID:	007B0701.D
Sampled:		Prepared:		Analyzed:	06/16/11 21:48
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	1F06014	Sequence:	1F17107	Calibration:	1038002	Instrument:	GL-GCFID

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.8341	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.02063	103	30 - 140	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1F08027-BLK1	File ID:	015B1501.D
Sampled:		Prepared:		Analyzed:	06/17/11 02:20
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	1F08027	Sequence:	1F17107	Calibration:	1038002	Instrument:	GL-GCFID

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	0.02123	106	30 - 140	X

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1F08027-BS1	File ID:	016B1601.D
Sampled:		Prepared:		Analyzed:	06/17/11 02:53
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	1F08027	Sequence:	1F17107	Calibration:	1038002	Instrument:	GL-GCFID

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.8139	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01932	96.6	30 - 140	X

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1F08027-BSD1	File ID:	017B1701.D
Sampled:		Prepared:		Analyzed:	06/17/11 03:27
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	1F08027	Sequence:	1F17107	Calibration:	1038002	Instrument:	GL-GCFID

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.7713	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01865	93.3	30 - 140	X

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_015
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix: Water
Instrument: GL-GCFID

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_015
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_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F15908	Instrument:	GL-ECD2
Calibration:	1118002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1F15908-CCV1	002R0101.D	06/06/11 14:23
Calibration Check	1F15908-CCV1	002F0101.D	06/06/11 14:23
Blank	1F06002-BLK1	004R0101.D	06/06/11 15:14
LCS	1F06002-BS1	005R0101.D	06/06/11 15:31
LCS	1F06002-BS1	005F0101.D	06/06/11 15:31
LCS Dup	1F06002-BSD1	006R0101.D	06/06/11 15:52
LCS Dup	1F06002-BSD1	006F0101.D	06/06/11 15:52
GW0103	1106013-01	009F0101.D	06/06/11 16:58
GW0104	1106013-03	010R0101.D	06/06/11 17:20
GW0089	1106026-01	011R0101.D	06/06/11 17:42
GW0111	1106026-03	012F0101.D	06/06/11 18:04
Calibration Check	1F15908-CCV2	016R0101.D	06/06/11 19:30
Calibration Check	1F15908-CCV2	016F0101.D	06/06/11 19:30

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F16504	Instrument:	GL-ECD2
Calibration:	1118002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1F16504-CCV1	002R0101.D	06/10/11 13:28
Calibration Check	1F16504-CCV1	002F0101.D	06/10/11 13:28
LCS	1F10016-BS1	004F0101.D	06/10/11 14:12
LCS	1F10016-BS1	004R0101.D	06/10/11 14:12
LCS Dup	1F10016-BSD1	005R0101.D	06/10/11 14:34
LCS Dup	1F10016-BSD1	005F0101.D	06/10/11 14:34
Blank	1F10016-BLK1	006R0101.D	06/10/11 14:57
GW0090	1106048-01	007F0101.D	06/10/11 15:19
GW0090	1106048-01	007R0101.D	06/10/11 15:19
GW0114	1106048-03	008R0101.D	06/10/11 15:41
GW0114	1106048-03	008F0101.D	06/10/11 15:41
GW0100	1106002-01RE1	013F0101.D	06/10/11 17:32
GW0100	1106002-01RE1	013R0101.D	06/10/11 17:32
GW0101	1106002-03RE1	014R0101.D	06/10/11 17:54
GW0101	1106002-03RE1	014F0101.D	06/10/11 17:54
Calibration Check	1F16504-CCV2	015R0101.D	06/10/11 18:16
Calibration Check	1F16504-CCV2	015F0101.D	06/10/11 18:16

ANALYSIS DATA SHEET

GW0100

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106002-01RE1	File ID:	013F0101.D
Sampled:	05/31/11 14:15	Prepared:	06/06/11 08:22	Analyzed:	06/10/11 17:32
Solids:		Preparation:	EDB	Dilution:	5

Batch: 1F06002 Sequence: 1F16504 Calibration: 1118002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	2.39	0.0482	0.0964	0.145	D

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0101

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106002-03RE1	File ID:	014F0101.D
Sampled:	05/31/11 11:09	Prepared:	06/06/11 08:22	Analyzed:	06/10/11 17:54
Solids:		Preparation:	EDB	Dilution:	2

Batch: 1F06002 Sequence: 1F16504 Calibration: 1118002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	1.10	0.0187	0.0374	0.0561	D

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0103

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106013-01	File ID:	009F0101.D
Sampled:	06/01/11 15:55	Prepared:	06/06/11 08:22	Analyzed:	06/06/11 16:58
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1F06002 Sequence: 1F15908 Calibration: 1118002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00943	0.0189	0.0283	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0104

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106013-03	File ID:	010R0101.D
Sampled:	06/01/11 12:22	Prepared:	06/06/11 08:22	Analyzed:	06/06/11 17:20
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1F06002 Sequence: 1F15908 Calibration: 1118002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00938	0.0188	0.0281	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0089

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106026-01	File ID:	011R0101.D
Sampled:	06/02/11 14:57	Prepared:	06/06/11 08:22	Analyzed:	06/06/11 17:42
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1F06002 Sequence: 1F15908 Calibration: 1118002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00912	0.0182	0.0274	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0111

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106026-03	File ID:	012F0101.D
Sampled:	06/02/11 08:36	Prepared:	06/06/11 08:22	Analyzed:	06/06/11 18:04
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1F06002 Sequence: 1F15908 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	0.0279	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0090

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106048-01	File ID:	007F0101.D
Sampled:	06/03/11 11:16	Prepared:	06/10/11 11:09	Analyzed:	06/10/11 15:19
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1F10016 Sequence: 1F16504 Calibration: 1118002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.294	0.00933	0.0187	0.0280	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0114

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106048-03	File ID:	008F0101.D
Sampled:	06/03/11 14:42	Prepared:	06/10/11 11:09	Analyzed:	06/10/11 15:41
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1F10016 Sequence: 1F16504 Calibration: 1118002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.330	0.00927	0.0185	0.0278	

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F06002	Laboratory ID:	1F06002-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	0.4814	96.3	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.4802	96.0	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	0.4872	97.4	1.18	20	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.5017	100	4.38	20	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F10016	Laboratory ID:	1F10016-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	0.5195	104	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.4561	91.2	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	0.5421	108	4.24	20	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.4756	95.1	4.19	20	70 - 130

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Batch: 1F06002 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0100	1106002-01RE1	06/06/11 08:22	36.29	35.00
GW0101	1106002-03RE1	06/06/11 08:22	37.42	35.00
GW0103	1106013-01	06/06/11 08:22	37.11	35.00
GW0104	1106013-03	06/06/11 08:22	37.31	35.00
GW0089	1106026-01	06/06/11 08:22	38.37	35.00
GW0111	1106026-03	06/06/11 08:22	37.57	35.00
Blank	1F06002-BLK1	06/06/11 08:22	35.00	35.00
LCS	1F06002-BS1	06/06/11 08:22	35.00	35.00
LCS Dup	1F06002-BSD1	06/06/11 08:22	35.00	35.00

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Batch: 1F10016 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0090	1106048-01	06/10/11 11:09	37.52	35.00
GW0114	1106048-03	06/10/11 11:09	37.74	35.00
Blank	1F10016-BLK1	06/10/11 11:09	35.00	35.00
LCS	1F10016-BS1	06/10/11 11:09	35.00	35.00
LCS Dup	1F10016-BSD1	06/10/11 11:09	35.00	35.00

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	1F06002-BLK1	File ID:	004R0101.D
Sampled:		Prepared:	06/06/11 08:22	Analyzed:	06/06/11 15:14
Solids:		Preparation:	EDB	Dilution:	

Batch: 1F06002 Sequence: 1F15908 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_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	1F10016-BLK1	File ID:	006R0101.D
Sampled:		Prepared:	06/10/11 11:09	Analyzed:	06/10/11 14:57
Solids:		Preparation:	EDB	Dilution:	

Batch: 1F10016 Sequence: 1F16504 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_015
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_015	
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_015	
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_015
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_015
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:	1F15908	Injection Date:	06/06/11
Lab Sample ID:	1F15908-CCV1	Injection Time:	14:23

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.5268	12585.78	12174		5.4	20
1,2-Dibromoethane [2C]	A	0.5000	0.5652	33221.17	37552		13.0	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	1118002
Lab File ID:	016F0101.D	Calibration Date:	04/26/11 00:00
Sequence:	1F15908	Injection Date:	06/06/11
Lab Sample ID:	1F15908-CCV2	Injection Time:	19:30

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.5684	12585.78	13106		13.7	20
1,2-Dibromoethane [2C]	A	0.5000	0.5728	33221.17	38056		14.6	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
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:	1F16504	Injection Date:	06/10/11
Lab Sample ID:	1F16504-CCV1	Injection Time:	13:28

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.4694	12585.78	10890		-6.1	20
1,2-Dibromoethane [2C]	A	0.5000	0.4688	33221.17	31152		-6.2	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	1118002
Lab File ID:	015F0101.D	Calibration Date:	04/26/11 00:00
Sequence:	1F16504	Injection Date:	06/10/11
Lab Sample ID:	1F16504-CCV2	Injection Time:	18:16

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.5677	12585.78	13090		13.5	20
1,2-Dibromoethane [2C]	A	0.5000	0.4835	33221.17	32124		-3.3	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_015

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
GW0100	05/31/11 14:15	06/01/11 09:00	06/06/11 08:22	N/A	14.00	06/10/11 17:32	10.10	14.00	
GW0101	05/31/11 11:09	06/01/11 09:00	06/06/11 08:22	N/A	14.00	06/10/11 17:54	10.24	14.00	
GW0103	06/01/11 15:55	06/02/11 09:00	06/06/11 08:22	N/A	14.00	06/06/11 16:58	5.00	14.00	
GW0104	06/01/11 12:22	06/02/11 09:00	06/06/11 08:22	N/A	14.00	06/06/11 17:20	5.17	14.00	
GW0089	06/02/11 14:57	06/03/11 09:00	06/06/11 08:22	N/A	14.00	06/06/11 17:42	4.07	14.00	
GW0111	06/02/11 08:36	06/03/11 09:00	06/06/11 08:22	N/A	14.00	06/06/11 18:04	4.35	14.00	
GW0090	06/03/11 11:16	06/04/11 11:00	06/10/11 11:09	N/A	14.00	06/10/11 15:19	7.13	14.00	
GW0114	06/03/11 14:42	06/04/11 11:00	06/10/11 11:09	N/A	14.00	06/10/11 15:41	7.00	14.00	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1F06002-BS1	File ID:	005F0101.D
Sampled:		Prepared:		Analyzed:	06/06/11 15:31
Solids:		Preparation:	EDB	Dilution:	

Batch:	1F06002	Sequence:	1F15908	Calibration:	1118002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.4814	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_015
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	1F06002-BS1	File ID:	005R0101.D
Sampled:		Prepared:		Analyzed:	06/06/11 15:31
Solids:		Preparation:	EDB	Dilution:	

Batch: 1F06002 Sequence: 1F15908 Calibration: 1118002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.4802	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1F06002-BSD1	File ID:	006F0101.D
Sampled:		Prepared:		Analyzed:	06/06/11 15:52
Solids:		Preparation:	EDB	Dilution:	

Batch:	1F06002	Sequence:	1F15908	Calibration:	1118002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.4872	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1F06002-BSD1	File ID:	006R0101.D
Sampled:		Prepared:		Analyzed:	06/06/11 15:52
Solids:		Preparation:	EDB	Dilution:	

Batch:	1F06002	Sequence:	1F15908	Calibration:	1118002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5017	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_015
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 1F10016-BS1
File ID: 004F0101.D
Sampled:
Prepared:
Analyzed: 06/10/11 14:12
Solids:
Preparation: EDB
Dilution:
Batch: 1F10016
Sequence: 1F16504
Calibration: 1118002
Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.5195	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_015
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 1F10016-BS1
File ID: 004R0101.D
Sampled:
Prepared:
Analyzed: 06/10/11 14:12
Solids:
Preparation: EDB
Dilution:
Batch: 1F10016
Sequence: 1F16504
Calibration: 1118002
Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.4561	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_015
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 1F10016-BSD1
File ID: 005F0101.D
Sampled:
Prepared:
Analyzed: 06/10/11 14:34
Solids:
Preparation: EDB
Dilution:
Batch: 1F10016
Sequence: 1F16504
Calibration: 1118002
Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.5421	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1F10016-BSD1	File ID:	005R0101.D
Sampled:		Prepared:		Analyzed:	06/10/11 14:34
Solids:		Preparation:	EDB	Dilution:	

Batch:	1F10016	Sequence:	1F16504	Calibration:	1118002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.4756	0.0100	0.0200	0.0300	

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0100

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1106002-01RE1

Date(s) Analyzed: 06/10/2011 06/10/2011

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	1.72	1.71	1.77	2.39	
	2	0.66	0.64	0.70	2.22	7

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0101

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1106002-03RE1 Date(s) Analyzed: 06/10/2011 06/10/2011

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	1.72	1.71	1.77	1.10	
	2	0.66	0.64	0.70	1.05	5

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1F06002-BS1 Date(s) Analyzed: 06/06/2011 06/06/2011

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	1.76	1.71	1.77	0.4814	
	2	0.68	0.64	0.70	0.4802	0

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS Dup

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1F06002-BSD1 Date(s) Analyzed: 06/06/2011 06/06/2011

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	1.76	1.71	1.77	0.4872	
	2	0.67	0.64	0.70	0.5017	3

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0090

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1106048-01

Date(s) Analyzed: 06/10/2011 06/10/2011

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	1.72	1.71	1.77	0.294	
	2	0.66	0.64	0.70	0.238	21

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0114

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1106048-03 Date(s) Analyzed: 06/10/2011 06/10/2011

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	1.72	1.71	1.77	0.330	
	2	0.66	0.64	0.70	0.254	26

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1F10016-BS1 Date(s) Analyzed: 06/10/2011 06/10/2011

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	1.70	1.71	1.77	0.5195	
	2	0.65	0.64	0.70	0.4561	13

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS Dup

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1F10016-BSD1 Date(s) Analyzed: 06/10/2011 06/10/2011

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	1.72	1.71	1.77	0.5421	
	2	0.66	0.64	0.70	0.4756	13

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_015
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

GW0100

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 05/31/11 14:15
% Solids: 0.00

SDG: Kirtland_015
Project: Kirtland AFB 2011
Laboratory ID: 1106002-01
Received: 06/01/11 09:00

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	64600	1000	2000	5000	1		SW6010B	1F10002	06/13/11 16:58
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1F10002	06/13/11 16:58
7439-95-4	Magnesium	8470	1000	3000	5000	1		SW6010B	1F10002	06/13/11 16:58
7440-09-7	Potassium	3110	1000	3000	5000	1	J	SW6010B	1F10002	06/13/11 16:58
7440-23-5	Sodium	31600	1000	3000	5000	1		SW6010B	1F10002	06/13/11 16:58

ANALYSIS DATA SHEET

GW0100

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106002-02
Sampled:	05/31/11 14:15	Received:	06/01/11 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)	105	30.0	60.0	100	1		SW6010B	1F15922	06/15/11 14:59
7439-96-5	Manganese (dissolved)	809	3.00	6.00	15.0	1		SW6010B	1F15922	06/15/11 14:59

ANALYSIS DATA SHEET

GW0101

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106002-03
Sampled:	05/31/11 11:09	Received:	06/01/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	58300	1000	2000	5000	1		SW6010B	1F10002	06/13/11 17:02
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1F10002	06/13/11 17:02
7439-95-4	Magnesium	7320	1000	3000	5000	1		SW6010B	1F10002	06/13/11 17:02
7440-09-7	Potassium	2820	1000	3000	5000	1	J	SW6010B	1F10002	06/13/11 17:02
7440-23-5	Sodium	30100	1000	3000	5000	1		SW6010B	1F10002	06/13/11 17:02

ANALYSIS DATA SHEET

GW0101

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106002-04
Sampled:	05/31/11 11:09	Received:	06/01/11 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	1F15922	06/15/11 15:04
7439-96-5	Manganese (dissolved)	26.4	3.00	6.00	15.0	1		SW6010B	1F15922	06/15/11 15:04

ANALYSIS DATA SHEET

GW0103

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106013-01
Sampled:	06/01/11 15:55	Received:	06/02/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	44000	1000	2000	5000	1		SW6010B	1F13013	06/14/11 13:33
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1F13013	06/14/11 13:33
7439-95-4	Magnesium	5520	1000	3000	5000	1		SW6010B	1F13013	06/14/11 13:33
7440-09-7	Potassium	2250	1000	3000	5000	1	J	SW6010B	1F13013	06/14/11 13:33
7440-23-5	Sodium	23100	1000	3000	5000	1		SW6010B	1F13013	06/14/11 13:33

ANALYSIS DATA SHEET

GW0103

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106013-02
Sampled:	06/01/11 15:55	Received:	06/02/11 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	1F15922	06/15/11 15:08
7439-96-5	Manganese (dissolved)	19.1	3.00	6.00	15.0	1		SW6010B	1F15922	06/15/11 15:08

ANALYSIS DATA SHEET

GW0104

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106013-03
Sampled:	06/01/11 12:22	Received:	06/02/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	33500	1000	2000	5000	1		SW6010B	1F13013	06/14/11 13:37
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1F13013	06/14/11 13:37
7439-95-4	Magnesium	4150	1000	3000	5000	1	J	SW6010B	1F13013	06/14/11 13:37
7440-09-7	Potassium	2190	1000	3000	5000	1	J	SW6010B	1F13013	06/14/11 13:37
7440-23-5	Sodium	21000	1000	3000	5000	1		SW6010B	1F13013	06/14/11 13:37

ANALYSIS DATA SHEET

GW0104

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106013-04
Sampled:	06/01/11 12:22	Received:	06/02/11 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	1F15922	06/15/11 15:13
7439-96-5	Manganese (dissolved)	27.4	3.00	6.00	15.0	1		SW6010B	1F15922	06/15/11 15:13

ANALYSIS DATA SHEET

GW0089

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106026-01
Sampled:	06/02/11 14:57	Received:	06/03/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	35800	1000	2000	5000	1		SW6010B	1F13013	06/14/11 14:06
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1F13013	06/14/11 14:06
7439-95-4	Magnesium	4310	1000	3000	5000	1	J	SW6010B	1F13013	06/14/11 14:06
7440-09-7	Potassium	2090	1000	3000	5000	1	J	SW6010B	1F13013	06/14/11 14:06
7440-23-5	Sodium	23100	1000	3000	5000	1		SW6010B	1F13013	06/14/11 14:06

ANALYSIS DATA SHEET

GW0089

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106026-02
Sampled:	06/02/11 14:57	Received:	06/03/11 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	1F15922	06/15/11 15:17
7439-96-5	Manganese (dissolved)	29.1	3.00	6.00	15.0	1		SW6010B	1F15922	06/15/11 15:17

ANALYSIS DATA SHEET

GW0111

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106026-03
Sampled:	06/02/11 08:36	Received:	06/03/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	47100	1000	2000	5000	1		SW6010B	1F13013	06/14/11 14:11
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1F13013	06/14/11 14:11
7439-95-4	Magnesium	4780	1000	3000	5000	1	J	SW6010B	1F13013	06/14/11 14:11
7440-09-7	Potassium	3490	1000	3000	5000	1	J	SW6010B	1F13013	06/14/11 14:11
7440-23-5	Sodium	29000	1000	3000	5000	1		SW6010B	1F13013	06/14/11 14:11

ANALYSIS DATA SHEET

GW0111

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106026-04
Sampled:	06/02/11 08:36	Received:	06/03/11 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	1F15922	06/15/11 15:22
7439-96-5	Manganese (dissolved)	6.62	3.00	6.00	15.0	1	J	SW6010B	1F15922	06/15/11 15:22

ANALYSIS DATA SHEET

GW0090

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106048-01
Sampled:	06/03/11 11:16	Received:	06/04/11 11:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	41900	1000	2000	5000	1		SW6010B	1F13013	06/14/11 14:46
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1F13013	06/14/11 14:46
7439-95-4	Magnesium	5270	1000	3000	5000	1		SW6010B	1F13013	06/14/11 14:46
7440-09-7	Potassium	2320	1000	3000	5000	1	J	SW6010B	1F13013	06/14/11 14:46
7440-23-5	Sodium	25800	1000	3000	5000	1		SW6010B	1F13013	06/14/11 14:46

ANALYSIS DATA SHEET

GW0090

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 06/03/11 11:16
% Solids: 0.00

SDG: Kirtland_015
Project: Kirtland AFB 2011
Laboratory ID: 1106048-02
Received: 06/04/11 11:00

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	1F15922	06/15/11 15:27
7439-96-5	Manganese (dissolved)	70.8	3.00	6.00	15.0	1		SW6010B	1F15922	06/15/11 15:27

ANALYSIS DATA SHEET

GW0114

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106048-03
Sampled:	06/03/11 14:42	Received:	06/04/11 11:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	56000	1000	2000	5000	1		SW6010B	1F13013	06/14/11 14:51
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1F13013	06/14/11 14:51
7439-95-4	Magnesium	7360	1000	3000	5000	1		SW6010B	1F13013	06/14/11 14:51
7440-09-7	Potassium	2820	1000	3000	5000	1	J	SW6010B	1F13013	06/14/11 14:51
7440-23-5	Sodium	31100	1000	3000	5000	1		SW6010B	1F13013	06/14/11 14:51

ANALYSIS DATA SHEET

GW0114

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106048-04
Sampled:	06/03/11 14:42	Received:	06/04/11 11:00
% 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	1F15922	06/15/11 15:31
7439-96-5	Manganese (dissolved)	673	3.00	6.00	15.0	1		SW6010B	1F15922	06/15/11 15:31

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: Kirtland_015
Project: Kirtland AFB 2011
Calibration: 1165001
Sequence: 1F16506

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1F16506-ICV1	Calcium	50000	51070	102	ug/L	+/- 10.00%
	Lead	1000	995.9	99.6	ug/L	+/- 10.00%
	Magnesium	50000	47880	95.8	ug/L	+/- 10.00%
	Potassium	10000	9698	97.0	ug/L	+/- 10.00%
	Sodium	50000	50230	100	ug/L	+/- 10.00%
1F16506-CCV1	Calcium	50000	50450	101	ug/L	+/- 10.00%
	Lead	1000	1019	102	ug/L	+/- 10.00%
	Magnesium	50000	47660	95.3	ug/L	+/- 10.00%
	Potassium	10000	9938	99.4	ug/L	+/- 10.00%
	Sodium	50000	51580	103	ug/L	+/- 10.00%
1F16506-CCV2	Calcium	50000	51730	103	ug/L	+/- 10.00%
	Lead	1000	1023	102	ug/L	+/- 10.00%
	Magnesium	50000	48850	97.7	ug/L	+/- 10.00%
	Potassium	10000	9966	99.7	ug/L	+/- 10.00%
	Sodium	50000	52280	105	ug/L	+/- 10.00%
1F16506-CCV3	Calcium	50000	48830	97.7	ug/L	+/- 10.00%
	Lead	1000	1048	105	ug/L	+/- 10.00%
	Magnesium	50000	47680	95.4	ug/L	+/- 10.00%
	Potassium	10000	9834	98.3	ug/L	+/- 10.00%
	Sodium	50000	52700	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_015
Project: Kirtland AFB 2011
Calibration: 1166001
Sequence: 1F16605

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1F16605-ICV1	Calcium	50000	50610	101	ug/L	+/- 10.00%
	Lead	1000	1014	101	ug/L	+/- 10.00%
	Magnesium	50000	47930	95.9	ug/L	+/- 10.00%
	Potassium	10000	9651	96.5	ug/L	+/- 10.00%
	Sodium	50000	51550	103	ug/L	+/- 10.00%
1F16605-CCV1	Calcium	50000	50860	102	ug/L	+/- 10.00%
	Lead	1000	1014	101	ug/L	+/- 10.00%
	Magnesium	50000	47840	95.7	ug/L	+/- 10.00%
	Potassium	10000	9813	98.1	ug/L	+/- 10.00%
	Sodium	50000	52090	104	ug/L	+/- 10.00%
1F16605-CCV2	Calcium	50000	52390	105	ug/L	+/- 10.00%
	Lead	1000	1014	101	ug/L	+/- 10.00%
	Magnesium	50000	49040	98.1	ug/L	+/- 10.00%
	Potassium	10000	9963	99.6	ug/L	+/- 10.00%
	Sodium	50000	52750	105	ug/L	+/- 10.00%
1F16605-CCV3	Calcium	50000	50330	101	ug/L	+/- 10.00%
	Lead	1000	1032	103	ug/L	+/- 10.00%
	Magnesium	50000	47810	95.6	ug/L	+/- 10.00%
	Potassium	10000	9844	98.4	ug/L	+/- 10.00%
	Sodium	50000	53140	106	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_015
Project: Kirtland AFB 2011
Calibration: 1171001
Sequence: 1F16806

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1F16806-ICV1	Iron (dissolved)	10000	10690	107	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1058	106	ug/L	+/- 10.00%
1F16806-CCV1	Iron (dissolved)	10000	10490	105	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1054	105	ug/L	+/- 10.00%
1F16806-CCV5	Iron (dissolved)	10000	10470	105	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1048	105	ug/L	+/- 10.00%
1F16806-CCV6	Iron (dissolved)	10000	10080	101	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1034	103	ug/L	+/- 10.00%

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_015

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 1165001

Sequence: 1F16506

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1F16506-CRL1	Calcium	2000	2052	103	ug/L	80 - 120
	Lead	3.000	2.920	97.3	ug/L	80 - 120
	Magnesium	3000	2732	91.1	ug/L	80 - 120
	Potassium	3000	2895	96.5	ug/L	80 - 120
	Sodium	3000	2988	99.6	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_015

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 1166001

Sequence: 1F16605

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1F16605-CRL1	Calcium	2000	2021	101	ug/L	80 - 120
	Lead	3.000	2.619	87.3	ug/L	80 - 120
	Magnesium	3000	2732	91.1	ug/L	80 - 120
	Potassium	3000	2788	92.9	ug/L	80 - 120
	Sodium	3000	2992	99.7	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_015

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 1171001

Sequence: 1F16806

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1F16806-CRL1	Iron (dissolved)	60.00	68.44	114	ug/L	80 - 120
	Manganese (dissolved)	6.000	6.604	110	ug/L	80 - 120

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_015
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 1F16506
Calibration: 1165001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1F16506-ICB1	Calcium	3.450	1000	5000	ug/L	U	SW6010B
	Lead	0.2593	1.50	3.00	ug/L	U	SW6010B
	Magnesium	8.030	1000	5000	ug/L	U	SW6010B
	Potassium	10.92	1000	5000	ug/L	U	SW6010B
	Sodium	5.560	1000	5000	ug/L	U	SW6010B
1F16506-CCB1	Calcium	1.67	1000	5000	ug/L	U	SW6010B
	Lead	0.136	1.50	3.00	ug/L	U	SW6010B
	Magnesium	2.42	1000	5000	ug/L	U	SW6010B
	Potassium	1.53	1000	5000	ug/L	U	SW6010B
	Sodium	10.8	1000	5000	ug/L	U	SW6010B
1F10002-BLK1	Calcium	8.69	1000	5000	ug/L	U	SW6010B
	Lead	0.159	1.50	3.00	ug/L	U	SW6010B
	Magnesium	3.84	1000	5000	ug/L	U	SW6010B
	Potassium	15.9	1000	5000	ug/L	U	SW6010B
	Sodium	7.14	1000	5000	ug/L	U	SW6010B
1F16506-CCB2	Calcium	13.5	1000	5000	ug/L	U	SW6010B
	Lead	0.223	1.50	3.00	ug/L	U	SW6010B
	Magnesium	8.44	1000	5000	ug/L	U	SW6010B
	Potassium	6.29	1000	5000	ug/L	U	SW6010B
	Sodium	6.78	1000	5000	ug/L	U	SW6010B
1F16506-CCB3	Calcium	1.55	1000	5000	ug/L	U	SW6010B
	Lead	0.103	1.50	3.00	ug/L	U	SW6010B
	Magnesium	0.970	1000	5000	ug/L	U	SW6010B
	Potassium	8.33	1000	5000	ug/L	U	SW6010B
	Sodium	0.680	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_015
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 1F16605
Calibration: 1166001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1F16605-ICB1	Calcium	4.510	1000	5000	ug/L	U	SW6010B
	Lead	0.1491	1.50	3.00	ug/L	U	SW6010B
	Magnesium	10.70	1000	5000	ug/L	U	SW6010B
	Potassium	-0.4000	1000	5000	ug/L	U	SW6010B
	Sodium	9.620	1000	5000	ug/L	U	SW6010B
1F16605-CCB1	Calcium	5.38	1000	5000	ug/L	U	SW6010B
	Lead	-0.143	1.50	3.00	ug/L	U	SW6010B
	Magnesium	5.89	1000	5000	ug/L	U	SW6010B
	Potassium	-5.00	1000	5000	ug/L	U	SW6010B
	Sodium	15.0	1000	5000	ug/L	U	SW6010B
1F13013-BLK1	Calcium	1.75	1000	5000	ug/L	U	SW6010B
	Lead	-0.468	1.50	3.00	ug/L	U	SW6010B
	Magnesium	3.04	1000	5000	ug/L	U	SW6010B
	Potassium	0.960	1000	5000	ug/L	U	SW6010B
	Sodium	10.7	1000	5000	ug/L	U	SW6010B
1F16605-CCB2	Calcium	4.48	1000	5000	ug/L	U	SW6010B
	Lead	-0.471	1.50	3.00	ug/L	U	SW6010B
	Magnesium	7.39	1000	5000	ug/L	U	SW6010B
	Potassium	-12.9	1000	5000	ug/L	U	SW6010B
	Sodium	7.83	1000	5000	ug/L	U	SW6010B
1F16605-CCB3	Calcium	3.48	1000	5000	ug/L	U	SW6010B
	Lead	-0.234	1.50	3.00	ug/L	U	SW6010B
	Magnesium	8.23	1000	5000	ug/L	U	SW6010B
	Potassium	-14.2	1000	5000	ug/L	U	SW6010B
	Sodium	2.15	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_015
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 1F16806
Calibration: 1171001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1F16806-ICB1	Iron (dissolved)	2.104	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.1166	3.00	15.0	ug/L	U	SW6010B
1F16806-CCB1	Iron (dissolved)	-0.710	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.124	3.00	15.0	ug/L	U	SW6010B
1F16806-CCB5	Iron (dissolved)	0.271	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0964	3.00	15.0	ug/L	U	SW6010B
1F15922-BLK1	Iron (dissolved)	-0.455	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0271	3.00	15.0	ug/L	U	SW6010B
1F16806-CCB6	Iron (dissolved)	-0.0507	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0498	3.00	15.0	ug/L	U	SW6010B

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_015
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 1165001
Sequence: 1F16506

Lab Sample ID	Analyte	True	Found	%R	Units
1F16506-IFA1	Calcium	500000	492,140.00	98.4	ug/L
	Lead		5.48		ug/L
	Magnesium	500000	505,610.00	101	ug/L
	Potassium		-85.60		ug/L
	Sodium		49.63		ug/L
1F16506-IFB1	Calcium	500000	490,760.00	98.2	ug/L
	Lead	50.00	54.05	108	ug/L
	Magnesium	500000	494,370.00	98.9	ug/L
	Potassium		-73.65		ug/L
	Sodium		112.20		ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_015
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 1166001
Sequence: 1F16605

Lab Sample ID	Analyte	True	Found	%R	Units
1F16605-IFA1	Calcium	500000	456,540.00	91.3	ug/L
	Lead		4.45		ug/L
	Magnesium	500000	463,210.00	92.6	ug/L
	Potassium		-71.52		ug/L
	Sodium		35.58		ug/L
1F16605-IFB1	Calcium	500000	489,130.00	97.8	ug/L
	Lead	50.00	57.37	115	ug/L
	Magnesium	500000	497,020.00	99.4	ug/L
	Potassium		-83.19		ug/L
	Sodium		132.78		ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_015

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 1171001

Sequence: 1F16806

Lab Sample ID	Analyte	True	Found	%R	Units
1F16806-IFA1	Iron (dissolved)	200000	207,590.00	104	ug/L
	Manganese (dissolved)		-3.78		ug/L
1F16806-IFB1	Iron (dissolved)	200000	207,340.00	104	ug/L
	Manganese (dissolved)	500.0	486.03	97.2	ug/L

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F10002	Laboratory ID:	1F10002-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	4844	96.9	80 - 120
Lead	250.0	247.5	99.0	80 - 120
Magnesium	5000	4287	85.7	80 - 120
Potassium	5000	4744	94.9	80 - 120
Sodium	5000	4944	98.9	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F13013	Laboratory ID:	1F13013-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	5137	103	80 - 120
Lead	250.0	253.8	102	80 - 120
Magnesium	5000	4567	91.3	80 - 120
Potassium	5000	4832	96.6	80 - 120
Sodium	5000	5197	104	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F15922	Laboratory ID:	1F15922-BS1
Preparation:	MET_3005A	Initial/Final:	50 mL / 50 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Iron (dissolved)	1000	1069	107	80 - 120
Manganese (dissolved)	500.0	537.1	107	80 - 120

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC **SDG:** Kirtland_015

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_015

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
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
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
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

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_015

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
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
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
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

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_015

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
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
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
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

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_015

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
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
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
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

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_015

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
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
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
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

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_015

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				
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				
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				
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				

Comments:

FORM XA-IN

ICP-AES AND ICP-MS LINEAR RANGES (QUARTERLY)

Lab Name: Empirical Laboratories, LLC

Client: Shaw E & I (I700) SDG: Kirtland_015

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
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
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
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

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Batch: 1F13013 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0103	1106013-01	06/13/11 10:50	50.00	50.00
GW0104	1106013-03	06/13/11 10:50	50.00	50.00
GW0089	1106026-01	06/13/11 10:50	50.00	50.00
GW0111	1106026-03	06/13/11 10:50	50.00	50.00
GW0090	1106048-01	06/13/11 10:50	50.00	50.00
GW0114	1106048-03	06/13/11 10:50	50.00	50.00
Blank	1F13013-BLK1	06/13/11 10:50	50.00	50.00
LCS	1F13013-BS1	06/13/11 10:50	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Batch: 1F10002 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0100	1106002-01	06/10/11 08:46	50.00	50.00
GW0101	1106002-03	06/10/11 08:46	50.00	50.00
Blank	1F10002-BLK1	06/10/11 08:46	50.00	50.00
LCS	1F10002-BS1	06/10/11 08:46	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Batch: 1F15922 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0100	1106002-02	06/15/11 09:14	50.00	50.00
GW0101	1106002-04	06/15/11 09:14	50.00	50.00
GW0103	1106013-02	06/15/11 09:14	50.00	50.00
GW0104	1106013-04	06/15/11 09:14	50.00	50.00
GW0089	1106026-02	06/15/11 09:14	50.00	50.00
GW0111	1106026-04	06/15/11 09:14	50.00	50.00
GW0090	1106048-02	06/15/11 09:14	50.00	50.00
GW0114	1106048-04	06/15/11 09:14	50.00	50.00
Blank	1F15922-BLK1	06/15/11 09:14	50.00	50.00
LCS	1F15922-BS1	06/15/11 09:14	50.00	50.00

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F16506	Instrument:	ME-ICP
Calibration:	1165001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1F16506-CAL1	061311A-001	06/13/11 13:16
Cal Standard	1F16506-CAL2	061311A-002	06/13/11 13:21
Cal Standard	1F16506-CAL3	061311A-003	06/13/11 13:24
Cal Standard	1F16506-CAL5	061311A-005	06/13/11 13:33
Cal Standard	1F16506-CAL6	061311A-006	06/13/11 13:38
Cal Standard	1F16506-CAL7	061311A-007	06/13/11 13:43
Cal Standard	1F16506-CAL8	061311A-008	06/13/11 13:47
Initial Cal Check	1F16506-ICV1	061311B-001	06/13/11 14:24
Initial Cal Blank	1F16506-ICB1	061311B-002	06/13/11 14:31
Instrument RL Check	1F16506-CRL1	061311B-003	06/13/11 14:36
Interference Check A	1F16506-IFA1	061311B-006	06/13/11 14:51
Interference Check B	1F16506-IFB1	061311B-007	06/13/11 14:57
Calibration Check	1F16506-CCV1	061311B-009	06/13/11 15:08
Calibration Blank	1F16506-CCB1	061311B-010	06/13/11 15:15
Blank	1F10002-BLK1	061311B-011	06/13/11 15:20
LCS	1F10002-BS1	061311B-012	06/13/11 15:25
Calibration Check	1F16506-CCV2	061311B-024	06/13/11 16:23
Calibration Blank	1F16506-CCB2	061311B-025	06/13/11 16:30
GW0100	1106002-01	061311B-031	06/13/11 16:58
GW0101	1106002-03	061311B-032	06/13/11 17:02
Calibration Check	1F16506-CCV3	061311B-044	06/13/11 17:59
Calibration Blank	1F16506-CCB3	061311B-045	06/13/11 18:07

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F16605	Instrument:	ME-ICP
Calibration:	1166001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1F16605-CAL1	061411A-001	06/14/11 11:07
Cal Standard	1F16605-CAL2	061411A-002	06/14/11 11:11
Cal Standard	1F16605-CAL3	061411A-003	06/14/11 11:15
Cal Standard	1F16605-CAL5	061411A-005	06/14/11 11:24
Cal Standard	1F16605-CAL6	061411A-006	06/14/11 11:28
Cal Standard	1F16605-CAL7	061411A-007	06/14/11 11:33
Cal Standard	1F16605-CAL8	061411A-008	06/14/11 11:37
Initial Cal Check	1F16605-ICV1	061411B-001	06/14/11 12:19
Initial Cal Blank	1F16605-ICB1	061411B-002	06/14/11 12:27
Instrument RL Check	1F16605-CRL1	061411B-003	06/14/11 12:32
Interference Check A	1F16605-IFA1	061411B-006	06/14/11 12:51
Interference Check B	1F16605-IFB1	061411B-007	06/14/11 12:58
Calibration Check	1F16605-CCV1	061411C-001	06/14/11 13:09
Calibration Blank	1F16605-CCB1	061411C-002	06/14/11 13:17
Blank	1F13013-BLK1	061411C-003	06/14/11 13:22
LCS	1F13013-BS1	061411C-004	06/14/11 13:26
GW0103	1106013-01	061411C-005	06/14/11 13:33
GW0104	1106013-03	061411C-006	06/14/11 13:37
GW0089	1106026-01	061411C-012	06/14/11 14:06
GW0111	1106026-03	061411C-013	06/14/11 14:11
Calibration Check	1F16605-CCV2	061411C-016	06/14/11 14:26
Calibration Blank	1F16605-CCB2	061411C-017	06/14/11 14:33
GW0090	1106048-01	061411C-020	06/14/11 14:46
GW0114	1106048-03	061411C-021	06/14/11 14:51
Calibration Check	1F16605-CCV3	061411C-032	06/14/11 15:43
Calibration Blank	1F16605-CCB3	061411C-033	06/14/11 15:50

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F16806	Instrument:	ME-ICP
Calibration:	1171001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1F16806-CAL1	061511A-001	06/15/11 08:09
Cal Standard	1F16806-CAL2	061511A-002	06/15/11 08:13
Cal Standard	1F16806-CAL3	061511A-003	06/15/11 08:17
Cal Standard	1F16806-CAL4	061511A-004	06/15/11 08:21
Cal Standard	1F16806-CAL5	061511A-005	06/15/11 08:25
Cal Standard	1F16806-CAL6	061511A-006	06/15/11 08:30
Initial Cal Check	1F16806-ICV1	061511B-001	06/15/11 09:11
Initial Cal Blank	1F16806-ICB1	061511B-002	06/15/11 09:18
Instrument RL Check	1F16806-CRL1	061511B-003	06/15/11 09:23
Interference Check A	1F16806-IFA1	061511B-006	06/15/11 09:45
Interference Check B	1F16806-IFB1	061511B-007	06/15/11 09:51
Calibration Check	1F16806-CCV1	061511B-009	06/15/11 10:03
Calibration Blank	1F16806-CCB1	061511B-010	06/15/11 10:11
Calibration Check	1F16806-CCV5	061511C-015	06/15/11 14:36
Calibration Blank	1F16806-CCB5	061511C-016	06/15/11 14:44
Blank	1F15922-BLK1	061511C-017	06/15/11 14:48
LCS	1F15922-BS1	061511C-018	06/15/11 14:53
GW0100	1106002-02	061511C-019	06/15/11 14:59
GW0101	1106002-04	061511C-020	06/15/11 15:04
GW0103	1106013-02	061511C-021	06/15/11 15:08
GW0104	1106013-04	061511C-022	06/15/11 15:13
GW0089	1106026-02	061511C-023	06/15/11 15:17
GW0111	1106026-04	061511C-024	06/15/11 15:22
GW0090	1106048-02	061511C-025	06/15/11 15:27
GW0114	1106048-04	061511C-026	06/15/11 15:31
Calibration Check	1F16806-CCV6	061511C-029	06/15/11 15:46
Calibration Blank	1F16806-CCB6	061511C-030	06/15/11 15:53

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_015	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1165001		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	6/13/11_13:16	6/13/11_13:47

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	1.8262E-05	10000	1.8757E-05			500000	1.87848E-05		
Antimony	0	0	100	0.000744	1000	7.7814E-04					10000	7.3229E-04
Arsenic	0	0	100	0.0003708	1000	3.9594E-04					10000	3.8861E-04
Barium	0	0	50	0.0123978	1000	0.012729	5000	0.0129594				
Beryllium	0	0	100	0.0026714	1000	0.0027608					10000	0.0025257
Boron	0	0	50	0.0000142	1000	0.000015					5000	1.4612E-05
Cadmium	0	0	100	0.015979	1000	0.016031					10000	0.015042
Calcium	0	0	1100	4.484546E-05	50000	4.4812E-05					10000	
Chromium	0	0	100	0.0000379	1000	3.872E-05					10000	3.7602E-05
Cobalt	0	0	100	0.006033	1000	0.0061101					10000	0.005968
Copper	0	0	100	0.0000787	1000	7.633999E-05					10000	7.2962E-05
Iron	0	0	5100	1.362157E-05	10000	1.3497E-05			500000	1.33486E-05	10000	
Lead	0	0	100	0.0013751	1000	0.0013798					10000	0.0013605
Magnesium	0	0	5100		50000	1.684E-06			500000	1.79568E-06	10000	
Manganese	0	0	100	0.0002566	1000	2.5604E-04	10000	0.0002459			10000	
Molybdenum	0	0	100	0.0043849	1000	0.004474					10000	0.0044147
Nickel	0	0	100	0.003739	1000	0.0036711					10000	0.0036394
Potassium	0	0	1000	8.550001E-06	10000	9.603E-06						
Selenium	0	0	100	0.0004753	1000	4.8303E-04					10000	4.6063E-04
Silver	0	0	20	0.000055	500	5.258E-05	2000	5.2995E-05				
Sodium	0	0	1000		50000	4.0476E-05						
Strontium	0	0	100	0.00162	1000	0.001652					10000	0.001585
Thallium	0	0	100	7.788001E-04	1000	7.9392E-04					10000	7.9152E-04
Tin	0	0	50	0.0013392	1000	0.0013995					5000	1.34466E-03
Titanium	0	0	100	0.0002145	1000	0.0002138					10000	0.0002114
Vanadium	0	0	100	0.0000466	1000	0.0000473					10000	4.6239E-05
Zinc	0	0	100	0.0061648	1000	0.0062235					10000	0.006042

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1165001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	6/13/11 13:16 6/13/11 13:47

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum												
Antimony												
Arsenic												
Barium												
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	4.3098E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	1.6976E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	9.9043E-06										
Selenium												
Silver												
Sodium	100000	3.8855E-05	500000	3.9398E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_015	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1165001		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	6/13/11 13:16	6/13/11 13:47

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.395095E-05	66.68889	4.109628	174.4364	0.9999999		0.998	
Antimony	5.636075E-04	66.75593	18.94354	195.1549	0.9999617		0.998	
Arsenic	2.888375E-04	66.76677	7.757738	184.3361	0.999995		0.998	
Barium	9.52155E-03	66.71061	4.757143	177.0808	0.9999871		0.998	
Beryllium	1.989475E-03	66.84432	12.79769	196.6104	0.9999172		0.998	
Boron	1.0953E-05	66.73334	4.230673	171.2638	0.999969		0.998	
Cadmium	0.011763	66.77852	5.627293	195.8398	0.9999599		0.998	
Calcium	3.318886E-05	66.712	1.937717	165.5069	0.9999846		0.998	
Chromium	2.85555E-05	66.68722	1.9738	158.3319	0.9999912		0.998	
Cobalt	4.527775E-03	66.679	1.492413	140.9071	0.9999947		0.998	
Copper	5.70005E-05	66.79454	1.041695	128.7034	0.999984		0.998	
Iron	1.011679E-05	66.67581	71.7077	198.6237	1		0.998	
Lead	1.02885E-03	66.67145	28.35809	196.8714	0.9999982		0.998	
Magnesium	1.29432E-06	66.77739	80.33438	198.5423	0.9998855		0.998	
Manganese	1.89635E-04	66.71708	8.948958	192.8842	0.9999844		0.998	
Molybdenum	0.0033184	66.67601	6.321252	190.002	0.9999982		0.998	
Nickel	2.762375E-03	66.68363	1.391087	165.4248	0.9999996		0.998	
Potassium	7.014325E-06	67.17853	2.225953	135.1397	0.9999975		0.998	
Selenium	3.5474E-04	66.71808	12.82605	193.066	0.9999788		0.998	
Silver	4.014375E-05	66.71861	4.40061	181.2403	0.9999944		0.998	
Sodium	2.968225E-05	66.70529	1.60162	100.0963	0.9999762		0.998	
Strontium	1.21425E-03	66.70474	8.67155	188.8761	0.9999827		0.998	
Thallium	5.9106E-04	66.67612	8.74486	190.018	0.9999998		0.998	
Tin	1.02084E-03	66.72001	52.02353	197.3329	0.9999268		0.998	
Titanium	1.59925E-04	66.67184	3.15921	182.2838	0.9999989		0.998	
Vanadium	3.503475E-05	66.67852	3.01401	168.525	0.9999951		0.998	
Zinc	4.607575E-03	66.68686	63.01523	199.4913	0.9999914		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_015	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1166001		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	6/14/11 11:07	6/14/11 11:37

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum	0	0	5000	1.8002E-05	10000	1.8559E-05			500000	1.83922E-05		
Antimony	0	0	100	0.0006504	1000	6.6091E-04					10000	6.9101E-04
Arsenic	0	0	100	0.0003632	1000	3.8692E-04					10000	3.8308E-04
Barium	0	0	50	0.0117694	1000	0.011706	5000	0.0121938				
Beryllium	0	0	100	0.0026309	1000	0.0025563					10000	0.0025458
Boron	0	0	50	0.0000156	1000	1.581E-05					5000	1.5174E-05
Cadmium	0	0	100	0.0157	1000	0.01547					10000	0.014823
Calcium	0	0	1100	4.849091E-05	50000	4.7714E-05					10000	
Chromium	0	0	100	0.0000394	1000	3.698E-05					10000	3.8432E-05
Cobalt	0	0	100	0.0053947	1000	0.0053174					10000	0.0056521
Copper	0	0	100	0.0000746	1000	6.855E-05					10000	7.052E-05
Iron	0	0	5100	1.546471E-05	10000	1.4385E-05			500000	1.40906E-05	10000	
Lead	0	0	100	0.001274	1000	0.0012583					10000	0.001315
Magnesium	0	0	5100		50000	1.673E-06			500000	1.81238E-06	10000	
Manganese	0	0	100	0.0002703	1000	0.0002584	10000	2.4535E-04			10000	
Molybdenum	0	0	100	0.0042024	1000	0.0042781					10000	0.0043033
Nickel	0	0	100	0.0036404	1000	0.0035497					10000	0.0035962
Potassium	0	0	1000	8.999999E-06	10000	9.788E-06						
Selenium	0	0	100	0.0004607	1000	0.0004508					10000	4.5055E-04
Silver	0	0	20	0.000055	500	5.388E-05	2000	5.4025E-05				
Sodium	0	0	1000		50000	3.7254E-05						
Strontium	0	0	100	0.001639	1000	0.001582					10000	0.001601
Thallium	0	0	100	7.872001E-04	1000	0.0007902					10000	7.9267E-04
Tin	0	0	50	0.0012788	1000	0.001289					5000	1.31456E-03
Titanium	0	0	100	0.0002137	1000	2.0449E-04					10000	2.1188E-04
Vanadium	0	0	100	0.0000499	1000	0.0000471					10000	4.7713E-05
Zinc	0	0	100	0.005804	1000	0.0057793					10000	0.0058293

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1166001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	6/14/11 11:07 6/14/11 11:37

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum												
Antimony												
Arsenic												
Barium												
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	4.4414E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	1.7055E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	9.8627E-06										
Selenium												
Silver												
Sodium	100000	3.7204E-05	500000	3.7744E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_015	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1166001		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	6/14/11 11:07	6/14/11 11:37

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.37383E-05	66.68831	3.408965	172.5374	0.9999999		0.998	
Antimony	5.0058E-04	66.75526	81.70371	198.8375	0.9999829		0.998	
Arsenic	0.0002833	66.76758	8.219748	187.2664	0.9999981		0.998	
Barium	0.0089173	66.71089	1.997682	152.7591	0.999932		0.998	
Beryllium	1.93325E-03	66.69546	4.486995	190.1626	0.9999999		0.998	
Boron	1.1646E-05	66.70537	4.708605	180.6705	0.9999272		0.998	
Cadmium	1.149825E-02	66.74482	1.349628	157.4007	0.9999829		0.998	
Calcium	3.515473E-05	66.85597	0.6514525	80.19914	0.9999461		0.998	
Chromium	2.8703E-05	66.75665	6.98799	192.3746	0.9999849		0.998	
Cobalt	4.09105E-03	66.75835	1.586723	139.2754	0.9999667		0.998	
Copper	5.34175E-05	66.8333	1.092355	67.32244	0.9999882		0.998	
Iron	1.098508E-05	66.88318	21.53411	193.2207	0.9999993		0.998	
Lead	9.61825E-04	66.71297	24.76376	194.2239	0.9999821		0.998	
Magnesium	1.29772E-06	66.82436	31.08277	197.1882	0.9998626		0.998	
Manganese	1.935125E-04	66.87428	8.498427	191.1443	0.9999755		0.998	
Molybdenum	3.19595E-03	66.68016	10.30709	193.8612	0.9999997		0.998	
Nickel	2.696575E-03	66.68081	1.237455	150.7179	0.999998		0.998	
Potassium	7.162675E-06	66.88895	2.712468	187.1877	0.9999992		0.998	
Selenium	3.405125E-04	66.68112	8.107688	191.6602	0.9999999		0.998	
Silver	4.072625E-05	66.67785	2.052783	154.4091	0.999999		0.998	
Sodium	2.80505E-05	66.67233	3.313313	162.7934	0.9999919		0.998	
Strontium	0.0012055	66.69564	4.04765	194.2287	0.9999983		0.998	
Thallium	5.925175E-04	66.66774	4.134272	179.0838	1		0.998	
Tin	9.7059E-04	66.68468	10.9245	193.4338	0.9999848		0.998	
Titanium	1.575175E-04	66.71459	8.288378	195.4621	0.9999871		0.998	
Vanadium	3.617825E-05	66.74937	1.78417	178.5991	0.9999975		0.998	
Zinc	4.35315E-03	66.66832	33.60057	197.694	0.9999993		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_015	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1171001		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	6/15/11 8:09	6/15/11 8:40

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	1.7896E-05	10000	1.8238E-05			500000	1.82052E-05		
Antimony	0	0	100	0.0007949	1000	8.0194E-04					10000	8.1739E-04
Arsenic	0	0	100	0.000363	1000	3.9004E-04					10000	3.8334E-04
Barium	0	0	50	0.0127788	1000	0.012699	5000	0.012973				
Beryllium	0	0	100	0.0027416	1000	0.0027359					10000	0.0026181
Boron	0	0	50	0.0000132	1000	0.0000139					5000	1.3536E-05
Cadmium	0	0	100	0.01582	1000	0.015626					10000	0.014982
Calcium	0	0	1100	4.168182E-05	50000	4.1596E-05					10000	
Chromium	0	0	100	0.0000379	1000	0.000037					10000	3.8031E-05
Cobalt	0	0	100	0.0064518	1000	0.006315					10000	0.0065804
Copper	0	0	100	0.0000806	1000	7.668E-05					10000	7.6933E-05
Iron	0	0	5100	1.245294E-05	10000	1.2092E-05			500000	1.17062E-05	10000	
Lead	0	0	100	0.0014319	1000	0.0013993					10000	0.001445
Magnesium	0	0	5100		50000	1.6214E-06			500000	1.72774E-06	10000	
Manganese	0	0	100	0.0002478	1000	2.4229E-04	10000	2.3213E-04			10000	
Molybdenum	0	0	100	0.0044017	1000	0.00446					10000	0.0044695
Nickel	0	0	100	0.0037578	1000	0.0036108					10000	0.0036475
Potassium	0	0	1000	7.53E-06	10000	9.306E-06						
Selenium	0	0	100	0.0004866	1000	4.7909E-04					10000	4.7426E-04
Silver	0	0	20	0.000053	500	5.066E-05	2000	5.1705E-05				
Sodium	0	0	1000		50000	4.0596E-05						
Strontium	0	0	100	0.001624	1000	0.001606					10000	0.001568
Thallium	0	0	100	0.0007548	1000	7.6991E-04					10000	7.7223E-04
Tin	0	0	50	0.001357	1000	0.0013756					5000	1.38972E-03
Titanium	0	0	100	0.0002144	1000	2.0847E-04					10000	2.1084E-04
Vanadium	0	0	100	0.0000457	1000	4.455E-05					10000	4.4477E-05
Zinc	0	0	100	0.0062552	1000	0.006196					10000	0.0062118

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1171001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	6/15/11 8:09 6/15/11 8:40

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum												
Antimony												
Arsenic												
Barium												
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	4.011E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	1.6455E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	9.481801E-06										
Selenium												
Silver												
Sodium	100000	3.9644E-05	500000	3.9528E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1171001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	6/15/11 8:09 6/15/11 8:40

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.35848E-05	66.67631	2.197198	159.2923	1		0.998	
Antimony	6.035575E-04	66.68483	1002.616	199.9026	0.9999968		0.998	
Arsenic	2.84095E-04	66.7894	4.658633	155.6519	0.9999954		0.998	
Barium	0.0096127	66.67741	0.96772	102.6338	0.9999807		0.998	
Beryllium	0.0020239	66.72597	1.019597	150.9652	0.9999814		0.998	
Boron	1.0159E-05	66.72602	6.088765	169.0731	0.9999678		0.998	
Cadmium	0.011607	66.73805	5.65844	185.7945	0.9999834		0.998	
Calcium	3.084695E-05	66.7077	5.19609	188.9764	0.9999866		0.998	
Chromium	2.823275E-05	66.68643	11.90519	184.9209	0.9999928		0.998	
Cobalt	0.0048368	66.7043	2.237983	165.3001	0.9999841		0.998	
Copper	5.855325E-05	66.73682	1.10366	35.95203	0.9999994		0.998	
Iron	9.062785E-06	66.75151	30.30712	197.32	0.9999996		0.998	
Lead	1.06905E-03	66.69089	16.13197	193.4347	0.9999899		0.998	
Magnesium	1.24866E-06	66.76628	151.584	199.5004	0.9999107		0.998	
Manganese	1.80555E-04	66.76351	17.38162	190.2595	0.999983		0.998	
Molybdenum	0.0033328	66.67273	7.179812	189.2619	1		0.998	
Nickel	2.754025E-03	66.70524	1.164818	149.104	0.9999983		0.998	
Potassium	6.57945E-06	67.99982	2.434155	126.3055	1		0.998	
Selenium	3.599875E-04	66.68159	5.023395	156.3854	0.9999995		0.998	
Silver	3.884125E-05	66.71219	6.967167	170.9577	0.9999691		0.998	
Sodium	2.9942E-05	66.68581	4.654643	182.7512	0.9999936		0.998	
Strontium	0.0011995	66.69506	2.503275	154.8214	0.9999947		0.998	
Thallium	5.74235E-04	66.68025	3.941485	180.2014	1		0.998	
Tin	1.03058E-03	66.67934	21.14727	196.7514	0.999996		0.998	
Titanium	1.584275E-04	66.68441	3.873532	188.1402	0.9999984		0.998	
Vanadium	3.368175E-05	66.6874	3.248113	156.6841	1		0.998	
Zinc	4.66575E-03	66.66882	13.55233	194.223	0.9999999		0.998	

Data for Wet Chemistry Forms

ANALYSIS DATA SHEET

GW0100

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 05/31/11 14:15
% Solids: 0.00

SDG: Kirtland_015
Project: Kirtland AFB 2011
Laboratory ID: 1106002-01
Received: 06/01/11 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	1F14006	06/15/11 15:16
18496-25-8	Sulfide		0.690	1.72	3.45	0.69	U	SM4500S2CF	1F02006	06/02/11 15:28
10-09-3	Alkalinity, Bicarbonate (as CACO3)	131	1.00	1.00	1.00	1		SM2320B	1F14005	06/14/11 16:21
16887-00-6	Chloride	30.2	0.170	0.330	1.00	1	M	E300.0	1F01021	06/01/11 17:55
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1F14005	06/14/11 16:21
14797-55-8	Nitrate as N		0.0600	0.100	0.200	1	M U	E300.0	1F01021	06/01/11 17:55
14808-79-8	Sulfate as SO4	55.3	0.330	1.00	2.00	1		E300.0	1F01021	06/01/11 17:55

ANALYSIS DATA SHEET

GW0101

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 05/31/11 11:09
% Solids: 0.00

SDG: Kirtland_015
Project: Kirtland AFB 2011
Laboratory ID: 1106002-03
Received: 06/01/11 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	1F14006	06/15/11 15:17
18496-25-8	Sulfide		0.690	1.72	3.45	0.69	U	SM4500S2CF	1F02006	06/02/11 15:29
10-09-3	Alkalinity, Bicarbonate (as CACO3)	92.0	1.00	1.00	1.00	1		SM2320B	1F14005	06/14/11 16:30
16887-00-6	Chloride	41.1	0.170	0.330	1.00	1	M	E300.0	1F01021	06/01/11 18:12
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1F14005	06/14/11 16:30
14797-55-8	Nitrate as N		0.0600	0.100	0.200	1	M U	E300.0	1F01021	06/01/11 18:12
14808-79-8	Sulfate as SO4	50.2	0.330	1.00	2.00	1		E300.0	1F01021	06/01/11 18:12

ANALYSIS DATA SHEET

GW0103

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 06/01/11 15:55
% Solids: 0.00

SDG: Kirtland_015
Project: Kirtland AFB 2011
Laboratory ID: 1106013-01
Received: 06/02/11 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	1F15948	06/15/11 15:27
18496-25-8	Sulfide		0.690	1.72	3.45	0.69	U	SM4500S2CF	1F07022	06/07/11 15:22
10-09-3	Alkalinity, Bicarbonate (as CACO3)	96.9	1.00	1.00	1.00	1		SM2320B	1F14005	06/14/11 16:35
16887-00-6	Chloride	18.2	0.170	0.330	1.00	1	M	E300.0	1F02018	06/02/11 20:18
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1F14005	06/14/11 16:35
14797-55-8	Nitrate as N	0.101	0.0330	0.100	0.200	1	J	E300.0	1F02018	06/02/11 20:18
14808-79-8	Sulfate as SO4	41.6	0.330	1.00	2.50	1	M	E300.0	1F02018	06/02/11 20:18

ANALYSIS DATA SHEET

GW0104

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 06/01/11 12:22
% Solids: 0.00

SDG: Kirtland_015
Project: Kirtland AFB 2011
Laboratory ID: 1106013-03
Received: 06/02/11 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	1F15948	06/15/11 15:29
18496-25-8	Sulfide		0.678	1.69	3.39	0.68	U	SM4500S2CF	1F07022	06/07/11 15:22
10-09-3	Alkalinity, Bicarbonate (as CACO3)	90.8	1.00	1.00	1.00	1		SM2320B	1F14005	06/14/11 16:40
16887-00-6	Chloride	1.75	0.170	0.330	1.00	1	M	E300.0	1F02018	06/02/11 21:28
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1F14005	06/14/11 16:40
14797-55-8	Nitrate as N	0.685	0.0330	0.100	0.200	1		E300.0	1F02018	06/02/11 21:28
14808-79-8	Sulfate as SO4	1.75	0.330	1.00	2.50	1	M J	E300.0	1F02018	06/02/11 21:28

ANALYSIS DATA SHEET

GW0089

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 06/02/11 14:57
% Solids: 0.00

SDG: Kirtland_015
Project: Kirtland AFB 2011
Laboratory ID: 1106026-01
Received: 06/03/11 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 N	SM4500NH3BG	1F17002	06/20/11 15:59
18496-25-8	Sulfide		0.690	1.72	3.45	0.69	U	SM4500S2CF	1F07022	06/07/11 15:23
10-09-3	Alkalinity, Bicarbonate (as CACO3)	96.5	1.00	1.00	1.00	1		SM2320B	1F14005	06/14/11 16:46
16887-00-6	Chloride	8.89	0.170	0.330	1.00	1	M	E300.0	1F03016	06/03/11 15:35
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1F14005	06/14/11 16:46
14797-55-8	Nitrate as N	0.225	0.0330	0.100	0.200	1		E300.0	1F03016	06/03/11 15:35
14808-79-8	Sulfate as SO4	28.9	0.330	1.00	2.50	1	M	E300.0	1F03016	06/03/11 15:35

ANALYSIS DATA SHEET

GW0111

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 06/02/11 08:36
% Solids: 0.00

SDG: Kirtland_015
Project: Kirtland AFB 2011
Laboratory ID: 1106026-03
Received: 06/03/11 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 N	SM4500NH3BG	1F17002	06/20/11 16:01
18496-25-8	Sulfide		0.690	1.72	3.45	0.69	U	SM4500S2CF	1F07022	06/07/11 15:23
10-09-3	Alkalinity, Bicarbonate (as CACO3)	78.3	1.00	1.00	1.00	1		SM2320B	1F14005	06/14/11 16:55
16887-00-6	Chloride	53.3	0.170	0.330	1.00	1	M	E300.0	1F03016	06/03/11 15:52
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1F14005	06/14/11 16:55
14797-55-8	Nitrate as N		0.0330	0.100	0.200	1	U	E300.0	1F03016	06/03/11 15:52
14808-79-8	Sulfate as SO4	31.3	0.330	1.00	2.50	1	M	E300.0	1F03016	06/03/11 15:52

ANALYSIS DATA SHEET

GW0090

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 06/03/11 11:16
% Solids: 0.00

SDG: Kirtland_015
Project: Kirtland AFB 2011
Laboratory ID: 1106048-01
Received: 06/04/11 11:00

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 N	SM4500NH3BG	1F17002	06/20/11 16:02
18496-25-8	Sulfide		0.690	1.72	3.45	0.69	U	SM4500S2CF	1F07022	06/07/11 15:26
10-09-3	Alkalinity, Bicarbonate (as CACO3)	112	1.00	1.00	1.00	1		SM2320B	1F14005	06/14/11 17:16
16887-00-6	Chloride	11.3	0.170	0.330	1.00	1	M	E300.0	1F04003	06/04/11 15:57
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1F14005	06/14/11 17:16
14797-55-8	Nitrate as N	0.525	0.0330	0.100	0.200	1		E300.0	1F04003	06/04/11 15:57
14808-79-8	Sulfate as SO4	32.1	0.330	1.00	2.50	1	M	E300.0	1F04003	06/04/11 15:57

ANALYSIS DATA SHEET

GW0114

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1106048-03
Sampled:	06/03/11 14:42	Received:	06/04/11 11:00
% 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 N	SM4500NH3BG	1F17002	06/20/11 16:03
18496-25-8	Sulfide		0.690	1.72	3.45	0.69	U	SM4500S2CF	1F07022	06/07/11 15:27
10-09-3	Alkalinity, Bicarbonate (as CACO3)	171	1.00	1.00	1.00	1		SM2320B	1F14005	06/14/11 17:23
16887-00-6	Chloride	11.6	0.170	0.330	1.00	1	M	E300.0	1F04003	06/04/11 16:15
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1F14005	06/14/11 17:23
14797-55-8	Nitrate as N		0.0330	0.100	0.200	1	U	E300.0	1F04003	06/04/11 16:15
14808-79-8	Sulfate as SO4	21.5	0.330	1.00	2.50	1	M	E300.0	1F04003	06/04/11 16:15

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_015
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_015
Project: Kirtland AFB 2011
Calibration: 1124002
Sequence: 1F15211

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1F15211-CCV1	Chloride	25.00	23.94	95.8	mg/L	+/- 10.00%
	Nitrate as N	2.500	2.412	96.5	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	23.62	94.5	mg/L	+/- 10.00%
1F15211-CCV2	Chloride	25.00	24.13	96.5	mg/L	+/- 10.00%
	Nitrate as N	2.500	2.441	97.6	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	24.06	96.2	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_015
Project: Kirtland AFB 2011
Calibration: 1124002
Sequence: 1F16410

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1F16410-CCV1	Chloride	25.00	23.45	93.8	mg/L	+/- 10.00%
	Nitrate as N	2.500	2.359	94.4	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	23.16	92.6	mg/L	+/- 10.00%
1F16410-CCV2	Chloride	25.00	23.95	95.8	mg/L	+/- 10.00%
	Nitrate as N	2.500	2.430	97.2	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	23.90	95.6	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_015
Project: Kirtland AFB 2011
Calibration: 1124002
Sequence: 1F16411

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1F16411-CCV1	Chloride	25.00	23.39	93.6	mg/L	+/- 10.00%
	Nitrate as N	2.500	2.365	94.6	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	22.96	91.8	mg/L	+/- 10.00%
1F16411-CCV2	Chloride	25.00	24.18	96.7	mg/L	+/- 10.00%
	Nitrate as N	2.500	2.457	98.3	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	24.04	96.2	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_015
Project: Kirtland AFB 2011
Calibration: 1166003
Sequence: 1F16608

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1F16608-ICV1	Ammonia as N	2.000	2.125	106	mg/L	+/- 10.00%
1F16608-CCV1	Ammonia as N	2.000	2.170	108	mg/L	+/- 10.00%
1F16608-CCV2	Ammonia as N	2.000	2.109	105	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_015
Project: Kirtland AFB 2011
Calibration: 1171003
Sequence: 1F17114

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1F17114-ICV1	Ammonia as N	2.000	2.141	107	mg/L	+/- 10.00%
1F17114-CCV1	Ammonia as N	2.000	2.162	108	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_015
Project: Kirtland AFB 2011
Calibration: 1124002
Sequence: 1F17304

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1F17304-CCV1	Chloride	25.00	23.32	93.3	mg/L	+/- 10.00%
	Nitrate as N	2.500	2.362	94.5	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	23.08	92.3	mg/L	+/- 10.00%
1F17304-CCV2	Chloride	25.00	24.38	97.5	mg/L	+/- 10.00%
	Nitrate as N	2.500	2.470	98.8	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	24.33	97.3	mg/L	+/- 10.00%

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_015

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 1124002

Sequence: 1F15211

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1F15211-CRL1	Chloride	1.000	0.9360	93.6	mg/L	75 - 125
	Nitrate as N	0.1000	0.1110	111	mg/L	75 - 125
	Sulfate as SO4	1.000	0.7700	77.0	mg/L	75 - 125

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_015

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 1124002

Sequence: 1F16410

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1F16410-CRL1	Chloride	1.000	0.7740	77.4	mg/L	75 - 125
	Nitrate as N	0.1000	0.1010	101	mg/L	75 - 125
1F16410-CRL2	Sulfate as SO4	2.500	2.055	82.2	mg/L	75 - 125

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_015

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 1124002

Sequence: 1F16411

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1F16411-CRL1	Chloride	1.000	0.7950	79.5	mg/L	75 - 125
	Nitrate as N	0.1000	0.09800	98.0	mg/L	75 - 125
1F16411-CRL2	Sulfate as SO4	2.500	2.027	81.1	mg/L	75 - 125

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_015

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 1124002

Sequence: 1F17304

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1F17304-CRL1	Chloride	1.000	0.7570	75.7	mg/L	75 - 125
	Nitrate as N	0.1000	0.09900	99.0	mg/L	75 - 125
1F17304-CRL2	Sulfate as SO4	2.500	2.019	80.8	mg/L	75 - 125

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_015
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1F01021

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1F01021-BLK1	Chloride	0.188	0.170	0.500	mg/L	J	E300.0
	Nitrate as N	0.0590	0.0330	0.200	mg/L	J	E300.0
	Sulfate as SO4	-0.160	0.330	2.00	mg/L	U	E300.0

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_015
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1F02006

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1F02006-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_015
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1F02018

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1F02018-BLK1	Chloride	0.00	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
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_015
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1F03016

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1F03016-BLK1	Chloride	0.00	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
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_015
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1F04003

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1F04003-BLK1	Chloride	-0.160	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_015
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1F07022

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1F07022-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_015
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1F14005

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1F14005-BLK1	Alkalinity, Total (as CACO3)	0.380	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_015
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1F14006

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1F14006-BLK1	Ammonia as N	-0.0579	0.110	0.300	mg/L	U	SM4500NH3BG

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_015
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1F15948

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1F15948-BLK1	Ammonia as N	-0.0512	0.110	0.300	mg/L	U	SM4500NH3BG

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_015
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1F17002

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1F17002-BLK1	Ammonia as N	-0.0334	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_015
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_015
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1F15211
Calibration: 1124002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1F15211-CCB1	Chloride	0.0930	0.170	0.500	mg/L	U	E300.0
	Nitrate as N	0.0510	0.0330	0.200	mg/L	J	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
1F15211-CCB2	Chloride	0.199	0.170	0.500	mg/L	J	E300.0
	Nitrate as N	0.0560	0.0330	0.200	mg/L	J	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_015
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1F16410
Calibration: 1124002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1F16410-CCB1	Chloride	0.00	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
1F16410-CCB2	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Nitrate as N	0.00	0.0330	0.200	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_015
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1F16411
Calibration: 1124002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1F16411-CCB1	Chloride	-0.154	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
1F16411-CCB2	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Nitrate as N	0.00	0.0330	0.200	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_015
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1F16608
Calibration: 1166003
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1F16608-ICB1	Ammonia as N	-0.01774	0.110	0.300	mg/L	U	SM4500NH3BG
1F16608-CCB1	Ammonia as N	-0.0168	0.110	0.300	mg/L	U	SM4500NH3BG
1F16608-CCB2	Ammonia as N	-0.0191	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_015
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1F17114
Calibration: 1171003
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1F17114-ICB1	Ammonia as N	-0.02200	0.110	0.300	mg/L	U	SM4500NH3BG
1F17114-CCB1	Ammonia as N	-0.0159	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_015
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1F17304
Calibration: 1124002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1F17304-CCB1	Chloride	-0.159	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
1F17304-CCB2	Chloride	-0.148	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

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0103

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_015

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1F02018

% Solids:

Source Sample Name: **1106013-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	18.18	45.12	97.0		80 - 120
Nitrate as N	2.778	0.1010	2.828	98.2		80 - 120
Sulfate as SO4	27.78	41.60	68.46	96.7		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Chloride	27.78	45.35	97.8	0.504		20	80 - 120
Nitrate as N	2.778	2.844	98.8	0.588		20	80 - 120
Sulfate as SO4	27.78	68.81	97.9	0.500		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500NH3BG

GW0089

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_015

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1F17002

% Solids:

Source Sample Name: **1106026-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Ammonia as N	5.000	ND	6.947	139	N	75 - 125

GW0103

DUPLICATES

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 1F02018
Preparation: WC_PREP_ANIONS_W
Source Sample Name: GW0103

SDG: Kirtland_015
Project: Kirtland AFB 2011
Laboratory ID: 1F02018-DUP1
Lab Source ID: 1106013-01
Initial/Final: 5 mL / 5 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	18.2	18.17	0.0385		E300.0
Nitrate as N	20	0.101 J	0.1050 J	3.88		E300.0
Sulfate as SO4	20	41.6	41.58	0.0529		E300.0

GW0100

DUPLICATES

SM2320B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 1F14005
Preparation: pNone
Source Sample Name: GW0100

SDG: Kirtland_015
Project: Kirtland AFB 2011
Laboratory ID: 1F14005-DUP1
Lab Source ID: 1106002-01
Initial/Final: 25 mL / 25 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Alkalinity, Total (as CACO3)	20		124.3	5.36		SM2320B

GW0103

DUPLICATES

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 1F15948
Preparation: pNone
Source Sample Name: GW0103

SDG: Kirtland_015
Project: Kirtland AFB 2011
Laboratory ID: 1F15948-DUP1
Lab Source ID: 1106013-01
Initial/Final: 100 mL / 100 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Ammonia as N	200	0.300 U	0.300 U			SM4500NH3BG

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F01021	Laboratory ID:	1F01021-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	4.899	102	90 - 110
Nitrate as N	3.616	3.680	102	90 - 110
Sulfate as SO4	24.00	23.92	99.7	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F02006	Laboratory ID:	1F02006-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	1283	92.5	80 - 120

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F02018	Laboratory ID:	1F02018-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	4.823	100	90 - 110
Nitrate as N	3.616	3.624	100	90 - 110
Sulfate as SO4	24.00	23.58	98.3	90 - 110

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F03016	Laboratory ID:	1F03016-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	4.864	101	90 - 110
Nitrate as N	3.616	3.615	100	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_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F04003	Laboratory ID:	1F04003-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	4.876	102	90 - 110
Nitrate as N	3.616	3.621	100	90 - 110
Sulfate as SO4	24.00	23.41	97.5	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F07022	Laboratory ID:	1F07022-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	1317	94.9	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	2.56	20	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F14005	Laboratory ID:	1F14005-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	187.0	93.5	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F14006	Laboratory ID:	1F14006-BS1
Preparation:	pNone	Initial/Final:	100 mL / 100 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Ammonia as N	5.000	5.061	101	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F15948	Laboratory ID:	1F15948-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	4.540	90.8	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1F17002	Laboratory ID:	1F17002-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	4.632	92.6	80 - 120

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC **SDG:** Kirtland_015

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_015

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_015
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix: Water
Instrument: WC-Lachat

Analyte	MDL	MRL	Units	Method
Ammonia as N	0.110	0.300	mg/L	SM4500NH3BG

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Batch: 1F01021 Batch Matrix: Water Preparation: WC_PREP_ANIONS_W

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0100	1106002-01	06/01/11 15:02	5.00	5.00
GW0100	1106002-01	06/01/11 15:02	5.00	5.00
GW0101	1106002-03	06/01/11 15:02	5.00	5.00
GW0101	1106002-03	06/01/11 15:02	5.00	5.00
Blank	1F01021-BLK1	06/01/11 15:02	5.00	5.00
LCS	1F01021-BS1	06/01/11 15:02	5.00	5.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Batch: 1F02006 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0100	1106002-01	06/02/11 09:26	290.00	200.00
GW0101	1106002-03	06/02/11 09:26	290.00	200.00
Blank	1F02006-BLK1	06/02/11 09:26	250.00	200.00
LCS	1F02006-BS1	06/02/11 09:26	3.00	250.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Batch: 1F02018 Batch Matrix: Water Preparation: WC_PREP_ANIONS_W

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0103	1106013-01	06/02/11 17:37	5.00	5.00
GW0103	1106013-01	06/02/11 17:37	5.00	5.00
GW0104	1106013-03	06/02/11 17:37	5.00	5.00
GW0104	1106013-03	06/02/11 17:37	5.00	5.00
Blank	1F02018-BLK1	06/02/11 17:37	5.00	5.00
LCS	1F02018-BS1	06/02/11 17:37	5.00	5.00
GW0103	1F02018-DUP1	06/02/11 17:37	5.00	5.00
GW0103	1F02018-MS1	06/02/11 17:37	22.50	25.00
GW0103	1F02018-MSD1	06/02/11 17:37	22.50	25.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Batch: 1F03016 Batch Matrix: Water Preparation: WC_PREP_ANIONS_W

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0089	1106026-01	06/03/11 13:13	5.00	5.00
GW0089	1106026-01	06/03/11 13:13	5.00	5.00
GW0111	1106026-03	06/03/11 13:13	5.00	5.00
GW0111	1106026-03	06/03/11 13:13	5.00	5.00
Blank	1F03016-BLK1	06/03/11 13:13	5.00	5.00
LCS	1F03016-BS1	06/03/11 13:13	5.00	5.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Batch: 1F04003 Batch Matrix: Water Preparation: WC_PREP_ANIONS_W

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0090	1106048-01	06/04/11 14:00	5.00	5.00
GW0090	1106048-01	06/04/11 14:00	5.00	5.00
GW0114	1106048-03	06/04/11 14:00	5.00	5.00
GW0114	1106048-03	06/04/11 14:00	5.00	5.00
Blank	1F04003-BLK1	06/04/11 14:00	5.00	5.00
LCS	1F04003-BS1	06/04/11 14:00	5.00	5.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Batch: 1F07022 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0103	1106013-01	06/07/11 14:12	290.00	200.00
GW0104	1106013-03	06/07/11 14:12	295.00	200.00
GW0089	1106026-01	06/07/11 14:12	290.00	200.00
GW0111	1106026-03	06/07/11 14:12	290.00	200.00
GW0090	1106048-01	06/07/11 14:12	290.00	200.00
GW0114	1106048-03	06/07/11 14:12	290.00	200.00
Blank	1F07022-BLK1	06/07/11 14:12	250.00	200.00
LCS	1F07022-BS1	06/07/11 14:12	3.00	250.00
LCS Dup	1F07022-BSD1	06/07/11 14:12	3.00	250.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Batch: 1F14005 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0100	1106002-01	06/14/11 09:21	25.00	25.00
GW0101	1106002-03	06/14/11 09:21	25.00	25.00
GW0103	1106013-01	06/14/11 09:21	25.00	25.00
GW0104	1106013-03	06/14/11 09:21	25.00	25.00
GW0089	1106026-01	06/14/11 09:21	25.00	25.00
GW0111	1106026-03	06/14/11 09:21	25.00	25.00
GW0090	1106048-01	06/14/11 09:21	25.00	25.00
GW0114	1106048-03	06/14/11 09:21	25.00	25.00
Blank	1F14005-BLK1	06/14/11 09:21	25.00	25.00
LCS	1F14005-BS1	06/14/11 09:21	25.00	25.00
GW0100	1F14005-DUP1	06/14/11 09:21	25.00	25.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Batch: 1F14006 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0100	1106002-01	06/14/11 09:24	100.00	100.00
GW0101	1106002-03	06/14/11 09:24	100.00	100.00
Blank	1F14006-BLK1	06/14/11 09:24	100.00	100.00
LCS	1F14006-BS1	06/14/11 09:24	100.00	100.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Batch: 1F15948 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0103	1106013-01	06/15/11 12:01	100.00	100.00
GW0104	1106013-03	06/15/11 12:01	100.00	100.00
Blank	1F15948-BLK1	06/15/11 12:01	100.00	100.00
LCS	1F15948-BS1	06/15/11 12:01	100.00	100.00
GW0103	1F15948-DUP1	06/15/11 12:01	100.00	100.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_015

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

Batch: 1F17002 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0089	1106026-01	06/17/11 07:46	100.00	100.00
GW0111	1106026-03	06/17/11 07:46	100.00	100.00
GW0090	1106048-01	06/17/11 07:46	100.00	100.00
GW0114	1106048-03	06/17/11 07:46	100.00	100.00
Blank	1F17002-BLK1	06/17/11 07:46	100.00	100.00
LCS	1F17002-BS1	06/17/11 07:46	100.00	100.00
GW0089	1F17002-MS1	06/17/11 07:46	100.00	100.00

ANALYSIS SEQUENCE SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_015

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
LCS	1F14005-BS1	061411-003	06/14/11 16:08
Blank	1F14005-BLK1	061411-004	06/14/11 16:18
GW0100	1F14005-DUP1	061411-016	06/14/11 17:30

ANALYSIS SEQUENCE SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_015

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Blank	1F02006-BLK1	060211-003	06/02/11 15:26
LCS	1F02006-BS1	060211-002	06/02/11 15:39
Blank	1F07022-BLK1	060711-004	06/07/11 15:21
LCS	1F07022-BS1	060711-002	06/07/11 15:29
LCS Dup	1F07022-BSD1	060711-003	06/07/11 15:30

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
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_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F15211	Instrument:	WC-IC
Calibration:	1124002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1F15211-CCV1	060111-002	06/01/11 16:10
Calibration Blank	1F15211-CCB1	060111-003	06/01/11 16:28
Instrument RL Check	1F15211-CRL1	060111-004	06/01/11 16:45
LCS	1F01021-BS1	060111-006	06/01/11 17:20
Blank	1F01021-BLK1	060111-007	06/01/11 17:37
GW0100	1106002-01	060111-008	06/01/11 17:55
GW0101	1106002-03	060111-009	06/01/11 18:12
Calibration Check	1F15211-CCV2	060111-016	06/01/11 20:14
Calibration Blank	1F15211-CCB2	060111-017	06/01/11 20:32

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F16410	Instrument:	WC-IC
Calibration:	1124002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1F16410-CCV1	060211-002	06/02/11 18:34
Calibration Blank	1F16410-CCB1	060211-003	06/02/11 18:51
Instrument RL Check	1F16410-CRL1	060211-004	06/02/11 19:09
Instrument RL Check	1F16410-CRL2	060211-005	06/02/11 19:26
LCS	1F02018-BS1	060211-006	06/02/11 19:43
Blank	1F02018-BLK1	060211-007	06/02/11 20:01
GW0103	1106013-01	060211-008	06/02/11 20:18
GW0103	1F02018-MS1	060211-009	06/02/11 20:36
GW0103	1F02018-MSD1	060211-010	06/02/11 20:53
GW0103	1F02018-DUP1	060211-011	06/02/11 21:11
GW0104	1106013-03	060211-012	06/02/11 21:28
Calibration Check	1F16410-CCV2	060211-013	06/02/11 21:45
Calibration Blank	1F16410-CCB2	060211-014	06/02/11 22:03

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F16411	Instrument:	WC-IC
Calibration:	1124002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1F16411-CCV1	060311-002	06/03/11 13:50
Calibration Blank	1F16411-CCB1	060311-003	06/03/11 14:08
Instrument RL Check	1F16411-CRL1	060311-004	06/03/11 14:25
Instrument RL Check	1F16411-CRL2	060311-005	06/03/11 14:43
LCS	1F03016-BS1	060311-006	06/03/11 15:00
Blank	1F03016-BLK1	060311-007	06/03/11 15:17
GW0089	1106026-01	060311-008	06/03/11 15:35
GW0111	1106026-03	060311-009	06/03/11 15:52
Calibration Check	1F16411-CCV2	060311-010	06/03/11 16:10
Calibration Blank	1F16411-CCB2	060311-011	06/03/11 16:27

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F16608	Instrument:	WC-Lachat
Calibration:	1166003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1F16608-CAL1	M_6-15-2011_02-56-13PM-00	06/15/11 14:57
Cal Standard	1F16608-CAL2	M_6-15-2011_02-56-13PM-00	06/15/11 14:58
Cal Standard	1F16608-CAL3	M_6-15-2011_02-56-13PM-00	06/15/11 14:59
Cal Standard	1F16608-CAL4	M_6-15-2011_02-56-13PM-00	06/15/11 15:00
Cal Standard	1F16608-CAL5	M_6-15-2011_02-56-13PM-00	06/15/11 15:01
Cal Standard	1F16608-CAL6	M_6-15-2011_02-56-13PM-00	06/15/11 15:02
Cal Standard	1F16608-CAL7	M_6-15-2011_02-56-13PM-00	06/15/11 15:03
Cal Standard	1F16608-CAL8	M_6-15-2011_02-56-13PM-00	06/15/11 15:04
Initial Cal Check	1F16608-ICV1	M_6-15-2011_02-56-13PM-00	06/15/11 15:05
Initial Cal Blank	1F16608-ICB1	M_6-15-2011_02-56-13PM-01	06/15/11 15:06
Blank	1F14006-BLK1	M_6-15-2011_02-56-13PM-01	06/15/11 15:11
LCS	1F14006-BS1	M_6-15-2011_02-56-13PM-01	06/15/11 15:12
GW0100	1106002-01	M_6-15-2011_02-56-13PM-02	06/15/11 15:16
GW0101	1106002-03	M_6-15-2011_02-56-13PM-02	06/15/11 15:17
Calibration Check	1F16608-CCV1	M_6-15-2011_02-56-13PM-02	06/15/11 15:20
Calibration Blank	1F16608-CCB1	M_6-15-2011_02-56-13PM-02	06/15/11 15:21
Blank	1F15948-BLK1	M_6-15-2011_02-56-13PM-03	06/15/11 15:25
LCS	1F15948-BS1	M_6-15-2011_02-56-13PM-03	06/15/11 15:26
GW0103	1106013-01	M_6-15-2011_02-56-13PM-03	06/15/11 15:27
GW0103	1F15948-DUP1	M_6-15-2011_02-56-13PM-03	06/15/11 15:28
Calibration Check	1F16608-CCV2	M_6-15-2011_02-56-13PM-03	06/15/11 15:29
GW0104	1106013-03	M_6-15-2011_02-56-13PM-03	06/15/11 15:29
Calibration Blank	1F16608-CCB2	M_6-15-2011_02-56-13PM-03	06/15/11 15:30

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F17114	Instrument:	WC-Lachat
Calibration:	1171003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1F17114-CAL1	M_6-20-2011_03-46-54PM-00	06/20/11 15:48
Cal Standard	1F17114-CAL2	M_6-20-2011_03-46-54PM-00	06/20/11 15:49
Cal Standard	1F17114-CAL3	M_6-20-2011_03-46-54PM-00	06/20/11 15:50
Cal Standard	1F17114-CAL4	M_6-20-2011_03-46-54PM-00	06/20/11 15:51
Cal Standard	1F17114-CAL6	M_6-20-2011_03-46-54PM-00	06/20/11 15:52
Cal Standard	1F17114-CAL5	M_6-20-2011_03-46-54PM-00	06/20/11 15:52
Cal Standard	1F17114-CAL7	M_6-20-2011_03-46-54PM-00	06/20/11 15:53
Cal Standard	1F17114-CAL8	M_6-20-2011_03-46-54PM-00	06/20/11 15:54
Initial Cal Check	1F17114-ICV1	M_6-20-2011_03-46-54PM-00	06/20/11 15:55
Initial Cal Blank	1F17114-ICB1	M_6-20-2011_03-46-54PM-01	06/20/11 15:56
Blank	1F17002-BLK1	M_6-20-2011_03-46-54PM-01	06/20/11 15:57
LCS	1F17002-BS1	M_6-20-2011_03-46-54PM-01	06/20/11 15:58
GW0089	1106026-01	M_6-20-2011_03-46-54PM-01	06/20/11 15:59
GW0089	1F17002-MS1	M_6-20-2011_03-46-54PM-01	06/20/11 16:00
GW0111	1106026-03	M_6-20-2011_03-46-54PM-01	06/20/11 16:01
GW0090	1106048-01	M_6-20-2011_03-46-54PM-01	06/20/11 16:02
GW0114	1106048-03	M_6-20-2011_03-46-54PM-01	06/20/11 16:03
Calibration Check	1F17114-CCV1	M_6-20-2011_03-46-54PM-02	06/20/11 16:07
Calibration Blank	1F17114-CCB1	M_6-20-2011_03-46-54PM-02	06/20/11 16:08

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_015
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1F17304	Instrument:	WC-IC
Calibration:	1124002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1F17304-CCV1	060411-002	06/04/11 14:13
Calibration Blank	1F17304-CCB1	060411-003	06/04/11 14:30
Instrument RL Check	1F17304-CRL1	060411-004	06/04/11 14:48
Instrument RL Check	1F17304-CRL2	060411-005	06/04/11 15:05
LCS	1F04003-BS1	060411-006	06/04/11 15:23
Blank	1F04003-BLK1	060411-007	06/04/11 15:40
GW0090	1106048-01	060411-008	06/04/11 15:57
GW0114	1106048-03	060411-009	06/04/11 16:15
Calibration Check	1F17304-CCV2	060411-016	06/04/11 18:17
Calibration Blank	1F17304-CCB2	060411-017	06/04/11 18:34